



4TH ANNUAL CONVOCATION
Report of Vice Chancellor



Vice Chancellor's Report

4th
ANNUAL
CONVOCATION
Thursday, 22nd January, 2015

Honourable Shri Om Prakash Kohli, Governor of Gujarat and Chancellor, Gujarat Technological University (GTU), Shri A. S. Kiran Kumar, Chairman, Indian Space Research Organization and one of the most eminent scientists of our nation, Shri Chaitanya Prasad, IAS, Controller General of Patents, Designs and Trade Marks & Registrar of Geographical Indications, Shri K. V. Seshadri, President, Reliance Petro-chemicals unit, Vadodara, Pujayashree Bhupendrabhai Pandya, a respected spiritual leader, Members of the Board of Governors, Academic Council and the Finance Committee, Deans, Honorary Directors, Advisors, Principals, Directors and Managing Trustees of Colleges / Institutions, Faculty Members, distinguished guests, members of media, staff of the University, Awardees and their Parents, my dear students, ladies and gentlemen, it is an honour to stand before you again as the Vice-Chancellor of GTU at its 4th Convocation.

Every convocation is a defining moment for a University.

This is a point in time, when we celebrate the successes and accomplishments of our graduating students and charge the graduating students with a pledge to dedicate themselves to their profession, to the nation and to the cause of contributing to the welfare of our less fortunate compatriots.

It represents another milestone in the evolution of this institution. A university must hold itself accountable to the whole of the society. Hence I am presenting a report on the activities, achievements and initiatives taken by GTU during the period after the last convocation, which was held on 16th January 2014.

At this hour, as we capitulate all that has been achieved, who we are now, and everything we want the system of higher education, as exemplified by this University, to offer to our nation, I know that I have much to be grateful for, and many to thank. Therefore, it is also the right moment when it would be my pleasure to acknowledge and thank some of those, who have made outstanding contribution to the progress of the university.

In September 2010, the Chief Guest, at the Conference of the Vice-Chancellors of universities of the west zone, said that India did not have Institutions of Higher Learning and that we only had Institutions of Further Learning. This Report will show that GTU is beginning to succeed in becoming an Institution of Higher Learning, as the word is understood in the world and as may have been the thinking of the Chief Guest at that conference.

ENVIRONMENT IN TECHNICAL INSTITUTIONS

Our national policies have succeeded in enlarging the number of seats in the educational institutions in different fields of technology, largely through new Self-Financed Institutions. In Gujarat, the policy was modulated by increasing the number of seats in the institutions, managed by the government in a big way. However no effective steps, at the national level, for ensuring that these institutions were able to offer an education, of a very high quality, to our young were taken. (The discussion is about 95% of the students in technology in our country and it does not pertain to the remaining less than 5% students, who study in institutions like IITs, IIMs, NITs etc.)

During the last four years, Gujarat Technological University (GTU) has worked to improve the quality of experience for its young students. Today GTU is considered as a benchmark by the technology universities in India. However till the University, the Colleges, the Faculty Members and the students jointly work to make the environment in every institution as learner-friendly as it is in great educational institutions, the best of practices - in syllabus-making, in evaluation processes and in all the other academic co-curricular and extra-curricular activities - being followed by GTU, will not be able to generate the desired outcomes.

ACADEMIC INITIATIVES

Every young person, who graduates with a GTU degree is required to not only study the technological subjects well, it is also required that he should go through a full-length course called Contributor Personality Development (CPD) Program successfully. GTU organized a Faculty Development Program (FDP), called Vivekananda CPD-FDP, in which seven hundred faculty members participated so that the program could be delivered well. This year 1,61,737 students have studied CPD successfully. However CPD is a transformational program and it requires a live class room, in which the faculty member should be a facilitator and the students should be equal participants in the process of learning. In our country, this is the only program which offers what is called value- education or an education in life-skills of the right type in a large university.

GTU continuously updates its syllabi by taking appropriate inputs from industries & businesses and experts from India & abroad. In this process on 2ndFeb 2012, GTU started a major process for re-development of its four-year degree engineering programs. It was decided to permeate design thinking into all the syllabi and to utilize project-based learning methodologies. The new syllabi were implemented from the academic year 2013- 2014 in all the 34 branches. From the second year onwards, a spine of 6 design engineering courses was planned, with the idea of seamlessly integrating it with the final year project. It is satisfying to see that Infosys, India's leading technology company, has recently decided that all its employees must be trained in design thinking. It has tied up with Stanford University and University of Berlin for the purpose. In March 2014 the Council IITs has also decided to change the IIT syllabi and imbue them with design thinking. A committee headed by as eminent a technologist as Dr. Anil Kakodkar has recommended that NITs should introduce a spine of 6 design engineering courses in their 4-year degree engineering programs. As GTU has a small lead in time, the Faculty Members and the students must work hard to workout and implement these ideas well in every class room, in every college, in such a way that they are able to develop ideas, learning material and examples of the design issues in every branch for use by the entire country. GTU syllabi committee which is creating these new syllabi is chaired by Dr. N. M. Bhatt. I want to thank Dr. Bhatt and the team of a large number of Faculty Members for taking up this onerous task for GTU.

Rote-learning is the curse of higher education in every field in India. This is encouraged through question papers, which ask students to memorize facts for their examination. GTU has started a new project called 'Confluence: the Art and Science of Designing Question Papers' under the leadership of Dr. Yogesh P. Kosta and Dr. S.K. Bhagwan. Through open seminars many senior as well as young Faculty Members have participated in the project. By naming Dr. Siddharth Bisht and Dr. Viral Bhatt from the MBA program and Dr. Yogesh P. Kosta and Dr. Sheetal Shah from the degree engineering program, I want to thank and recognize the efforts of all these Faculty Members. GTU has implemented the new ideas at the first year of Degree Engineering and MBA programs during the year 2014-2015. As we move ahead GTU will have to design atleast four thousand question papers in 34 different fields of degree engineering and 9 specializations of MBA programs. This work will require tens of thousands of hours of selfless work by thousands of Faculty Members. All these steps have the potential of changing the way our young people learn in a revolutionary way.

GTU's Active Learning and Creating Excitement in laboratories, workshops and classrooms (ALCE) has won a national award for its pioneering work. Since Sept 2012 under the ALCE project, GTU has also been telecasting regular lectures on a few of the subjects of the first year degree and diploma engineering programs, through 4 hour time-slots, at week-ends, provided by Bhaskaracharya Institute for Space Applications and Geo-informatics (BISAG). This year, there is a possibility of enlarging this program through four 24-hour channels for serving all the disciplines of studies at GTU. This will make it the largest such program in technical education. This will require great effort by the best of our faculty members with 24-hour support by the administrators at the university. We shall all have to rise to the occasion to make the program a great success.

GTU conducts faculty development programs as well as programs for the students at every weekend, except during the examination period. Thus you will find all the offices of GTU humming with young students and teachers at every weekend.

Sr.	Name of Programme	Affiliating Institutions/Colleges
1	Degree Engineering	112
2	Master of Engineering*	70
3	Diploma Engineering	133
4	Diploma Pharmacy*	8
5	Bachelor of Pharmacy (B. Pharm.)	70
6	Master of Pharmacy (M. Pharm.)*	58
7	Master of Business Administration (MBA)	95
8	Master of Computer Application (MCA)	60
9	Master of Applied Management (MAM)- Integrated Dual Programme*	27
10	Master of Computer Application- Integrated Dual Programme*	9
11	Master of Computer Application – 2 yrs*	8
12	Master of Technological Management (MTM)*	1
13	Master of Pharmacy Management (MPM)*	2
14	Bachelor of Architecture	8
15	Diploma in Architecture	1
16	PDDC*	3
17	Hotel Management	1
18	Pharm. D.	1
19	Bachelor of Planning	3

* Not separate institutions

At every institution, we shall have to implement each of the academic, co-curricular and extra-curricular activities, designed by teams of the best and the most experienced Faculty Members, very well so that our graduates are able to get the jobs, they deserve. The nation needs good technologist, who can help solve the problems of the society, industries and businesses. Hence such graduates can never be under-employed.

The total number of students enrolled with GTU has not changed much during 2014-15. But the new enrolment in 2014 was less than that in 2013, due to loss of faith by the public in the capability of our educational system to graduate young persons, who can be useful to the society in various professions. I, therefore, call upon all the university officers, the College authorities and the Faculty Members to put more focus on quality of education and on practice-orientation. This is the only way to win back the confidence of the society and to attract students from all over the country and abroad.

RESEARCH

Out of the 14 post-graduate research centres at GTU, six centres have started publishing a joint newsletter - called 'Anantyam', to provide information about their research work. In addition, the Centre for Global Business Studies has started an electronic newsletter called the 'Global Studies News Network' (GSNN). Both the old and the new issues of the 'Anantyam' and GSNN are available on the GTU's website.

It is gratifying to note that one joint research project with Duale Hochschule Baden Wuerttemberg-DHBW (a University in Germany) has already been completed. Two international research projects, in which Faculty Members and post-graduate students from many colleges, affiliated with GTU, are in progress. GTU encourages joint research by teams of Faculty Members and students from more than one college. At present besides the two international research projects, five other joint research projects are in progress. In some fields of engineering, GTU has organized research groups, which meet through Google Hangouts and in person at some seminar/workshop/conference at GTU. GTU calls upon all the Faculty Members and researchers to join an

appropriate existing research group or to help create new research group, so that they can grow themselves and are able to jointly bid for research projects from national and international organizations, which support research in their respective fields.

To ensure that their thesis work is of high standards, GTU has an innovative program of providing additional mentoring to research students at Masters and Doctors level through its Research Week. The Research Week is organized during the second semester of every academic year. During the Research Week, the researchers from GTU, their supervisors and the experts, in their respective field, come together to mentor the research students, after they have presented their work for review. During the research week, while in the mornings, there are review sessions, in the afternoons there are half-day workshops - running in parallel in various micro-fields - on the frontiers of research work in every area. The data for the Research Week of 2014 is given in the following charts:



The 114 workshops, 314 PhD students, 3915 Master student working on their theses and nearly a thousand experts, from within GTU and outside, made the Research Week a “Kumbh Mela” of research.

A professor from a university in Texas, USA participated in mentoring of GTU students during the Research Week of 2014. He liked the idea and said that he would go back to his university and ask the Vice-President (Academic) at his University to implement the idea for the doctoral program in the US University.

A number of research awards by researchers in pharmacy and a large number of papers by researchers in all the fields have been published during the academic year. A very large number of patents have been filed by the research students. The detailed information for all these successes in research is available at GTU's website at the tab 'Achievements'.

GTU plans to intensify its research activities, once the land for research laboratories and its proposed Research Park become available and as new buildings for laboratories and library are built. GTU has the potential and it is nurturing it actively so that as soon as the necessary facilities become available, GTU may be able to contribute significantly to the world of knowledge.

GTU has setup a Research and Consultancy Services Cell (RCSC) itself under the leadership of Mr Rajnikant Patel, the Honorary Advisor to the Vice Chancellor for RCSC. The Cell is designed to marshal the intellectual resources of the researchers and the faculty members in the GTU system for serving the needs of the society, the businesses & the industries and the government.

INTERNATIONALISATION

Under its International Experience Program (IEP), GTU has been sending its students for studying for 6-8 weeks to some good universities in USA, Canada and Germany. Besides, GTU has appointed 54 distinguished professors from foreign universities as Adjunct Professors at GTU. As such they can co-supervise doctoral Students at GTU. This permits the doctoral student at GTU to present their papers at reputed international conferences through their co-supervisor without incurring the cost of the participation in the foreign conferences. Moreover working the

Doctoral research project jointly by the research student the supervising Faculty Member at GTU and the co-supervising Professor at the foreign university helps the group of three researchers plan and work for joint research projects. This can pave the way for many international research collaborations.

Under the global country study program in the second year of MBA a class of upto 60 students is required to study one country. The class prepares the business plan for increasing the interactions between India and foreign country. During this year GTU students are studying 112 countries. During the period from August to November and February to May GTU organizes celebration of National Days of these countries. In addition for the last two years GTU has been organizing conclave for Afro-Asian studies. GTU has step an Indo East Asian study centre. The Indo Germany and Indo Canadian study centres are been in operation since 2012. About 200 students from about 30 countries study at GTU in its various programs. Thus today GTU has, by far, the largest international program in the country.

PRACTICE ORIENTATION

In every discipline GTU has focused upon the importance of practice orientation. The component of practical work is assigned more number of hours as well as a greater part in the evaluation system, as compared to the system in any other university. Besides many other activities, GTU has established close linkages with industries, industry associations and with chambers of commerce and industry through its GTU Innovation Sankul movement. In each college a GTU Innovation Club has been established, which connects with the corresponding Sankuls. These clubs have sub-units like Open Source Technology Club at 77 Colleges, Mobile and Wireless Technology Clubs at 30 Colleges, Entrepreneurship Development Cells etc. The final year students in Engineering are encouraged to take problems of Small and Medium Enterprises (SME) for their final year projects. The Sankuls and the Clubs help students establish the necessary connectivity, wherever required. Today more than 70 % of the final year projects attempt to solve the problems of SMEs. A College in North Gujarat has estimated that the work of its final year students has benefitted the SMEs to the extent of Rs. 4 crores.

Under the Vishwakarma Yojana, GTU encourages its students to take up final year projects on re-imagining and re-designing the infrastructure of the villages by using modern technology. During 2014-15, teams of our students, led by Faculty Members, are working in 255 villages. Many villages are now using the Detailed Project Reports, prepared by the student teams of the previous years, to develop their infrastructure. Thus a number of villages in Dang district have taken up the task of rejuvenating the village ponds by using the designs, prepared by our students.

Under the IT Infrastructure Abhiyan (ITIA), GTU encourages its students to take up computerization of schools, social organisation and micro enterprises as their final year projects. Students of one College have computerized the women Micro-enterprises of Gujarat Chamber of Commerce and Industries. Students of another College have computerized all the Schools of their District.

In MBA program in addition to the Summer Internship Program, in every subject there is one module of immersion studies.

This focus on solving relevant problems has led to innovative work by the students. The result is that during the last two and a half years the students, the faculty members and the associated SMEs have started filing patent application in large numbers. The total number of patent applications by the GTU family far surpasses the number by any other university in India. To cater to this need the university has started, since 2014, a series of Patent Clinics to help the students prepare their primary patent applications.

GTU has setup the Student Start-up Support System (S4) to help students and alumni develop their innovative ideas into products. A co-working space for budding entrepreneurs has also been provided. This space has been named as the Co-Creation Centre (C3). Many new enterprises are being hatched at S4-C3.

Many of the half-baked products by students require better laboratory facilities than are usually available at the colleges. GTU has developed a Community-Innovation-Co-Creation-Centre (CiC3), where laboratory facilities have been provided for use after office hours and at weekends & holidays. Jointly S4-C3 and CiC3 create a robust incubator system. GTU is the only affiliating-type University, which has created these policies and implemented them successfully. We have recently published a Start-upPolicy document, which has won wide appreciation.

An engineer is required to be a problem-solver, a designer of products or of services for solving problems and an implementer of these designs. Therefore an engineer is required to be well aware of today's technological skills so that good quality products could be produced economically for the society. GTU has therefore developed policies for implementing this Skilling Mission of the Honourable Prime Minister. It is proposed to add a Skill Development Centre to each of the proposed 25 CiC3s. For each of the technological skills relevant to the area of study in GTU, GTU proposes to establish a State-Of-Art Skill Development Centre in each of the zones in Gujarat. GTU is striving to achieve excellence in the entire spectrum of technologies in all the disciplines being studied by the GTU community. A policy outlining the Skilling Mission at GTU has also been recently published.

CONCLUSION

I shall draw your kind attention to the excellent work, reported in the following pages of this document. You will find that GTU community is working hard to offer the best of opportunities for our young to develop themselves and to be able to cater to the technological needs of the resurgent state of Gujarat.

I congratulate all the graduating students and their families and wish every student success in his/her future endeavours. GTU Alumni Association will continue to serve the needs of the graduating students, whenever they need GTU's help. Wherever GTU's alumni work, they represent the university as its Ambassadors. If GTU is to be perceived as a great university, it will be largely through the work of its alumni.

Today we are honoured by the gracious presence of the distinguished dignitaries on and off the dais at the fourth convocation of GTU.

I thank Honourable Shri Om Prakash Kohliji, Shri Kiran Kumarji, Shri Chaitanya Prasadji, Shri K. V. Seshadriji and Pujayashree Bhupendrabhai Pandiyaji for being with us at the convocation. I also thank all the guests and the media for accepting our invitation. I also thank the entire GTU staff and the Convocation Committee, led by Dr. K. N. Sheth and Shri J. C. Lilani for the hard work that they have put in for making the convocation a success. GTU family, starting from the daily wage-earners to the highest officers, work much beyond the usual call of duty so that GTU is able to serve the needs of technical education. I thank them all and dedicate all the Awards won by GTU to their hard work. I also thank all those, who had worked for GTU from 2008 onwards, to help make GTU what it is today. I must also thank my wife who has stood by me and is equally responsible for any success that I may have achieved.

Bringing up an institution requires help and dedication of a large number of people from the society and from the government. I thank each one of them and I expect that this great 'virtual team of GTU' will succeed in making this University an institution, which not only is able to offer the best of education to the young from the State but also starts attracting students and researchers from all over the world to its doors due to the excellence of its learning environment.

Jai Hind
Akshai Aggarwal



The University Report

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4TH ANNUAL CONVOCATION GTU Sections

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Academic Section 2014-15

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No of students to be conferred degree/diploma against previous year

Sr .No	Exams	Previous Year	Present Year
1.	BE	26423	31898
2.	B. Pharm	3067	2122
3.	Diploma Engineering	22417	21060
4.	MBA	5119	4410
5.	MCA	2141	2568
6.	ME	1333	1737
7.	M Pharm	1852	1551
8.	Diploma Pharmacy	192	118

No of students enrolled in degree/diploma

Courses	2014
Diploma Regular	40757
Diploma C2D	2017
D. Pharm	311
BE Regular	41432
BE D2D	10844
B Pharm Regular	2240
B. Pharm D2D	56
B. Arch	463
B.Plan	41
ME	2852
MBA	4712
MCA Regular	295
MCA Lateral	2871
MCA Integrated	137
M. Pharm	805
Pharm.D	30

New course offerings from GTU (Academic year 2014-15)

In concurrence with the mandate, the University has been providing diverse professional courses to the students of the state and further more it has added two more career options to choose from:

B.Plan:

Gujarat Technological University has started offering Bachelor of Planning, a graduate program of 4 years duration approved by AICTE. Eligibility is Std.12th(any stream/science/general) with minimum 50% of aggregate marks (45% for SC/ST/SEBC category) in aggregate or pass out of Diploma (10+3 pattern of related stream i.e. civil or Architecture Assistantship). The University admitted the students to its affiliated institutes through the centralized

admission committee (GAC). The course objectives are: 1) providing basic foundation course subjects of Design principles, Presentation, Construction and Structure, Statistics and Economics as well as Town Planning. 2) To provide broad awareness about various Town Planning trends across the world. 3) Acquire Town Planning knowledge and learn planning techniques at macro and micro level.

Pharm.D

Pharm.D course was introduced by the Government of India and the Pharmacy Council of India in 2008 and the degree enables the candidate for registration as a pharmacist to practice the profession under the Pharmacy Act, 1948. Pharm.D is a course with five years of study and one year of internship or residency. It is offered to the pass out of 10+2 examination with Physics and Chemistry as compulsory subjects along with either subjects: Mathematics or Biology. A pass in Pharm.D course from an institution approved by the Pharmacy Council of India under section 12 of the Pharmacy Act is also eligible. In internship training, a student is exposed to actual pharmacy practice or clinical pharmacy services and acquires skill under supervision so that he or she may become capable of functioning independently.

M.E. (Designing)

In continuation to the redesigning of the curriculum of Bachelors of engineering initiated from the academic year 2013-14, the university correspondingly kick-started the revision of its curriculum for Masters of Engineering from the academic year 2014-15. The University is putting in breathless attempts to shape the syllabi that is industry-oriented.

GTU is restructuring the curriculum of its Master of Engineering program with the invaluable inputs and suggestions from the eminent experts invited from across the country including the Professors of IITs, NITs and other reputed institutions. The first breakthrough meeting was held on 19th April 2014 where following experts remained present:

- Dr Sudipto Mukherjee, Mech. Engg., IITD
- Dr L. Pratap Reddy, Director R&D, JNTU, Hyderabad
- Dr Amit Prashant, Dean Academic, IIT GN
- Dr Sanjeev Gupta, Dean Academics, DAIICT
- Dr Amit Bhatt, Prof. EC, DAIICT
- Dr P. V. Patel, Dean PG courses, Nirma University

Expert core committee consisting of 5 senior faculties with at least two experts from industry or any other reputed University was formed for each branch wherein one member coordinates the activities and report to the Chairman. The layout or format of syllabus was decided to include prerequisites, objectives and program outcomes as per the NBA Guidelines.

The thrust areas while designing the syllabus are:

- The structure with the scope for design and innovation component in each course.
- The structure with freedom for a student to think and develop his experimental and analytic skills along with referring/writing research papers.

For developing the analytical skills, a subject that includes **Numerical methods, Simulation and applications**, was introduced. Like wise, for developing the Research Ethic, Intellectual Property Rights, it was decided to offer **Research Communication** at Semester I.

Numerous activities were included as a part of syllabus like critically studying research papers, preparing teaching material for a topic of interest relating to any subject, to find the Engineering applications for the allocated chapter and prepare the write up which includes graphics, pictures and videos.

Design Engineering offered to Bachelor of Engineering students

A new innovative subject, Design Engineering is being offered to the students of Bachelor of Engineering from Semester III to Semester VIII. The complete design process is included in design Engineering I, II and III spanning over a period of 3 years. Design thinking gives students a taste of the rich internal remunerations associated with knowledge creation and in curiosity and problem driven contexts. It is to change Undesired Situation into a desired situation means to find solution for Undesired/Uncomfortable situation. Design is needed to satisfy technical functions, ergonomics functions, aesthetic functions, cost function and environment functions. The prototype design must consider technical, aesthetic, ergonomics, cost and environmental requirements. Design thinking process is to find goals or need, to evaluate goals or need, to generate proposals to satisfy goals, to evaluate proposals and to improve goals and proposals.

Calibrating the Bridge Course for effective implementation at the institute level for B.E. students:

In response to the feedback gathered from the colleges by Gujarat Technological University a meeting of faculty member with a perfect blend of experience and enthusiasts was held under the coordinatorship of Shri. Siddharth Jadeja, B.H Gardi College of Engineering & Technology, Rajkot. Siddharth Jadeja advocated to continue offering the Bridge Course to the first semester students due to its obvious benefits along with its success in driving out the fear for engineering study among the entrants. All colleges should ensure effective implementation of Bridge Course for student's improvement. Inspired by Dr. Rao, IIT, Delhi he expressed that it is student centric program where the faculty member assumes a new role.

Workshops organized by Academic section

Workshop on Bridge Course and Design Engineering on 9th August 2014:

GTU invited Dr. P. V Madhusudhan Rao, Professor, Mechanical Engineering Department, IIT Delhi, as a special guest. He addressed the faculty members and enlightens the participants on the effective implementation of bridge course.

Workshop focused on how to excite students and to keep their interest alive for learning engineering.

More than 200 faculties across Gujarat participated in this workshop including Dr. G. P. Vadodaria, Registrar, GTU ,Dr. N. M. Bhatt, Coordinator-UG syllabus committee and Prof. Siddharth Jadeja, Bridge Course Co-ordinator, GTU.



Workshop on Engineering Economics and Management on 30th August 2014:

Dr. Rita Sharma from Vishwarkarma Government Engineering College, Prof. Vasudev Singh from A.D. Patel Institute of Technology and Dr. S.O. Junare from NICM were invited as experts for the workshop.

More than 130 faculties across Gujarat participated in this workshop where the introduction and importance of Economics in Engineering was conveyed by Dr. Rita Sharma, Dr. S.O. Junare focused on the Importance of Management in Engineering and Prof. Vasudev Singh discussed on Formulation of syllabus of the subject and the related queries.

Faculty Development Programs (FDP) on Cloud Computing For MCA:

As Cloud Computing was introduced as an elective subject in MCA Sem-4 as part of the curriculum in the conventional MCA course there were few queries regarding the subject so it was necessary to address all these queries through a FDP. So FDP was quickly announced and held on 7th & 8th Feb, 2014 at GTU Chandkheda Campus by roping in Dr. Sanjay Chaudhry, Dr. Zakir Laliwala and Mr. Firoz Sabaliya. 40 faculty members from various MCA institutes affiliated to GTU registered and got benefitted.



The objectives of the program were as follows:

- To make the faculty members aware about Cloud Computing terminology.
- To provide an understanding of the basic concepts of parallel and distributed computing and their role in Cloud Computing.
To study the concept of Virtualization and relevant technologies available in the market.
- To understand the importance of Cloud computing for higher throughput.
- To make aware about availability of various Cloud platforms.
- To study different application of Cloud and Cloud Management Techniques.
- To demonstrate the steps required to develop a SWF application on Amazon.
- To demonstrate the implementation of “Pay per Use” term in Cloud Computing.

E-learning Activity:

As a part of blended learning initiative, GTU decided to offer bridge course through e-learning mode to bring the C2D students at par with the students of 3rd semester of Diploma Engineering. For the students, to study Bridge Course 1 & 2 in distance learning mode philosophy correspondingly covering subjects of Sem. 1 & 2 of regular diploma Engg. Program, the e-learning material for the few identified subjects was prepared. Gujarat technological University organized recordings of the video lectures of the expert's faculties from all over the state and SCORM package was formed having narration video with PowerPoint slides show using a professional software, compatible to be made available on Model platform.

Prepared by:
Mr. Divyesh Bhagat



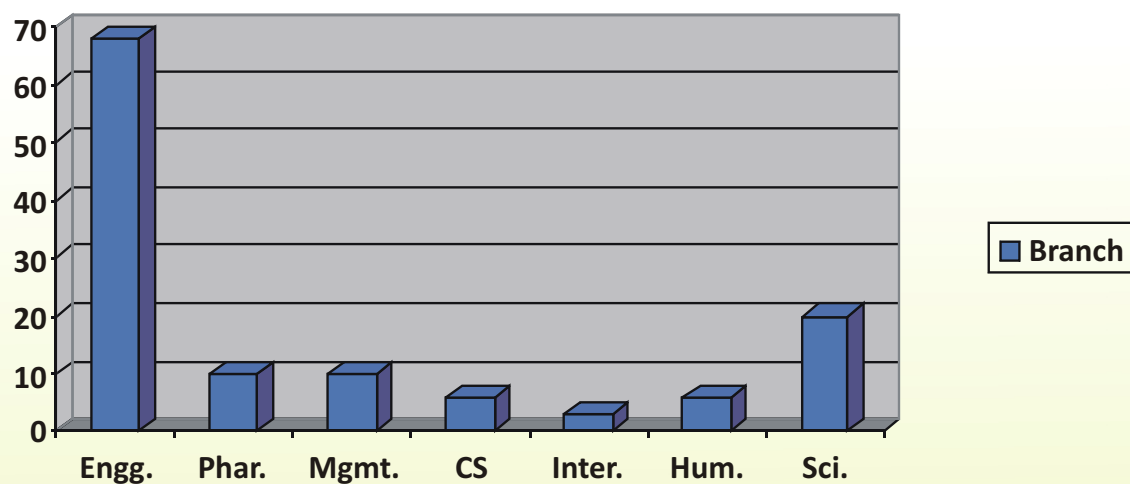
Ph.D Program

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Gujarat Technological University started the Ph.D Program in academic year 2011 in faculties of Engineering, Pharmacy, Management and Computer Science.

From the year 2013, GTU has started Ph.D. program for humanities and sciences for the GTU affiliated faculties.

- ❖ Total 68 students in Engineering, 10 students in Management, 10 students in Pharmacy, 06 students in Computer science, 03 students in Interdisciplinary research, 06 students in English, 02 students in Chemistry, 01 student in Physics and 17 students in Mathematics are pre-registered in Ph.D Program in the academic year 2013-14.



- ❖ For the academic year 2014, the 537 students have appeared for the entrance examination and out of them 526 students are selected for interview which is taken in the month of September 2014. Out of 526 candidates 189 candidates are selected for Pre-registration for the admission for academic year 2014-15.

Major activities under the GTU Ph.D Program:

- ❖ Course work at semester 1, comprising of minimum two subject :
 - Research Methodology.
 - Core Subject as decided by supervisor and co-supervisor.
- ❖ Research Methodology course is conducted centrally at GTU campus
- ❖ Foreign Co-Supervisors from reputed Universities of Europe, Canada and USA are associated with the Ph.D program of GTU in order to provide better exposure and platform for research scholars. 63 Foreign Co-Supervisors supervise the Ph.D scholars in various discipline and batches. The students are allotted foreign co-supervisor depending upon their area of research interest.
- ❖ The literature review by the research scholars were evaluated at the research week

held annually at GTU in March 2013. Experts were drawn from prestigious institutions like IITs, IIMs and MDI, MICA, IMI etc. Review reports and feedback from all experts were shared with Ph.D Students.

Feedback was also collected from students about the review.

- ❖ The Literature Review by the students enrolled in 2013-14 have been evaluated in the month of November, 2014. The first DPC review will be conducted at research week to be held annually at the GTU in February, March, April 2015. All the Co-guides are invited to participate at the research week, to evaluate Review the PhD scholars. All the experts and co-guides will participate in research week by conducting workshops / case studies on their research / project / consultancy work to the students and faculties.
- ❖ For each student of PhD, Doctoral Progress Committee (DPC) is constituted with two experts of relevant field of research of the student. Half yearly, DPC along with PhD Supervisor, review of performance of the student is begin done during a period decided by GTU.

Prepared by:

Prof. Almas Juneja

Ms. Mona Chaurasiya



Post Graduate Programme Master of Engineering

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Master of Engineering course provides the theory and practical aspect to polish the mass of state which is the future of tomorrow. Qualitative research is the main focused area for this course. Good researcher will lead and contribute in the country's development.

Gujarat Technological University offers Post Graduate Program in field of Engineering. GTU offers Master's Degree in 57 branches of Engineering. First batch of Master of Engineering was enrolled in 2009 and were awarded degree in 2011. There are 63 colleges of ME affiliated with GTU. In academic year 2013-14, 5 new Institutes affiliated and 2876 students enrolled in the first semester.

GTU has started a new branch in Master of Engineering Program at the Bisag campus, namely M.E. High Performance Computing in this academic year. In Master of Engineering, wide varieties of Major and Interdisciplinary electives are offered through which students can be benefitted. In interdisciplinary electives, Institute offers and students opt the elective from other branch which helps them to get knowledge of other subject from different branches. Some of the branches have given equivalence for avoiding duplication. New course and content has been redesigned for all the Master of Engineering to cover the practical aspects and Qualitative Research from this academic year onwards.

ME practical exams are conducted centrally in all 4 semesters where GTU arranges external examiner from different colleges to make evaluation effective. The third semester & fourth semester for ME program is designed with unique features, where each student has one research project for both the semester. This project is divided in three parts in final year as DP-I, Mid-Sem Review and DP-II which are conducted centrally at GTU, Chandkheda campus, centrally. These reviews are conducted by the experts from academic and industry from across India and abroad. During the Dissertation, all the students prepare posters of their work and present at the time of exam. Posters are separately examined by Industry Experts along with Academic Experts. GTU students had participated in largest ever poster exhibition in our country. More than 1800 posters were displayed under one roof in 22 days of centrally arranged examination at GTU, Chandkheda, Campus by Master of final year Engineering students.



Largest ever Project Poster Exhibition

The PG students of Engineering are greatly benefited in their research by these project reviews. Industry experts have reviewed and make them realize how they can make such projects industry oriented. Some ideas and work has been appreciated by experts. For evaluation of all the posters GTU has invited Experts from relevant Industry, IEEE Chapters and ISRO. These reviews were visualized to evaluate, analyze and mentor the PG students of Engineering. Some of those students were appreciated with the certificate by the experts.

Variety of experts in the Research Week is a unique feature GTU. Experts from IIT's & NIT's from all over the county are called to evaluate the work of students along with industry and International Experts. On the other hand all the experts also finds the research week a platform to interact with their field experts and share knowledge.

Some of the comments shared by experts,

“It's pleasure to be here. I appreciate the opportunity to interact with students and professors. Research topics for students work are excellent. There were of highest quality.” - Dr. M.S. Hosni, Professor and the Frankh off Chair in Engineering, Kansas State University, USA.

“I am very pleased to be a part of it. This activity shows the commitment of the university to bring in the quality in research with students commitment and discipline.” - Bala Natrajan, Director, Wicom group, Department of Electrical and Computer Engineering, Kansas State University, USA

“Student's topics are very innovative and it is related to the industry in present time.” - Dr. Srinivasan Palanki, Dean, Mechanical Engineering, University of Alabama, USA.

“Research week is wonderful concept. This is the first ever University which has initiated such exercise and glad to be part of it.” - Dr.Ramakrishna Thurimella, Director, University of Denver, USA.

“This is such a innovative idea to motivate and guide the students in area of Research. I will definitely implement this concept of research week at our University.”- Dr. Hamed Sari Sarraf, Texas University, USA.

PG students of Engineering are greatly benefited in their research by these projects reviews. ME section facilitated the regular and remedial exam of ODD and EVEN semester in summer and winter session theory and practical exam.

Prepared by:
Prof. Almas Juneja
Ms. Krishna Vaghela



Post Graduate Programme in collaboration with C-DAC

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Gujarat Technological University has been offering Post Graduate Master of Engineering since 2009. In 2011, Gujarat Technological University and Centre for Development of Advanced Computing (C-DAC) signed Memorandum of Understanding (MoU) for High level industries perspective for Post Graduate Master of Engineering in Wireless and Mobile Computing, IT systems & Network Security, VLSI & Embedded. GTU and C-DAC have introduced a new Master of Engineering Post Graduate Course in High Performance Computing form the year 2014.

C-DAC, ACTS is conducting the Doctorate and Post Graduate Degree awarding programs in collaboration/affiliation with the well-known Universities & GTU is one of them. GTU runs full time two years courses in collaboration with C-DAC at BISAG, Gandhinagar and known as GTU PG SCHOOL.

1. Master of Engineering in IT System & Network Security
2. Master of Engineering in Wireless and Mobile Computing
3. Master of Engineering in VLSI & Embedded System Design
4. Master of Engineering in High Performance Computing

GTU provides infrastructure, conduct examination, Evaluation & Certification of the Post Graduate Course.

CDAC, ACTSS is an industry and academic partner which provide industry expert to the students and other live R&D project related facility to the students of their courses at C-DAC Pune. We put all institute level activity like circulars, time table, results, pre assignment, Post assignment, etc. on our PG School Website having URL: - <http://pgschool.gtu.ac.in>

TOTAL NO. OF. STUDENTS ENROLLED				
BRANCH/YEAR	2011	2012	2013	2014
ITSNS	35	35	15	24
VLSI	35	47	48	33
WIMC	18	22	25	17
HPC				9



Student with Education Minister Shri Bhupendrasinh Chudasama
At Vibrant Gujarat 2014



GTU PG SCHOOL Class Room



GTU PG SCHOOL Class Room

Prepared by:
Ms. Darshana Chauhan
Mr. Darshan Patel
Mr. Bhadreshsinh Gohil
Ms. Kinjal Dave



MCA

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Thursday, 22nd January, 2015

Gujarat Technological University (GTU) was established in the year 2008. PG Programs in technology, pharmacy, management and computer applications are affiliated with university from academic year 2009. All government, Grant in Aid and SFI institutes from all over Gujarat excluding departments of other Universities of Gujarat are affiliated to the University. As per policy of the University, syllabus of the Programs is reviewed by the experts and experienced faculty members from different institutes. Syllabus committee is formed for each of the PG Programs. Deans are appointed for each PG programs.

Introduction

MCA

Currently, 52 Institutes are offering MCA and approx. 3300 students enrolled in academic year 2014.

Syllabus for MCA semester 5 was reviewed by expert faculty of syllabus committee appointed by the University and was implemented from July 2013. From the Academic year 2013 MCA Lateral has started in which BCA pass out students can directly take admission in semester 3. With IEP (International Experience Program) MCA students had visited Canada for their project in year 2013 and in year 2014.



MCA Integrated

MCA Integrated course is the 5 years integrated computer application course. It is an AICTE approved integrated program after 12th for science stream students (Group A i.e. with Maths and Physics), starting from the academic year 2013-14. There are 5 Institutes which are offering MCA Integrated course currently and 160 students enrolled in academic year 2014.

MCA AND MCA INTEGRATED STATISTICS

FIGURE - 1 STUDENTS' ENROLLMENT

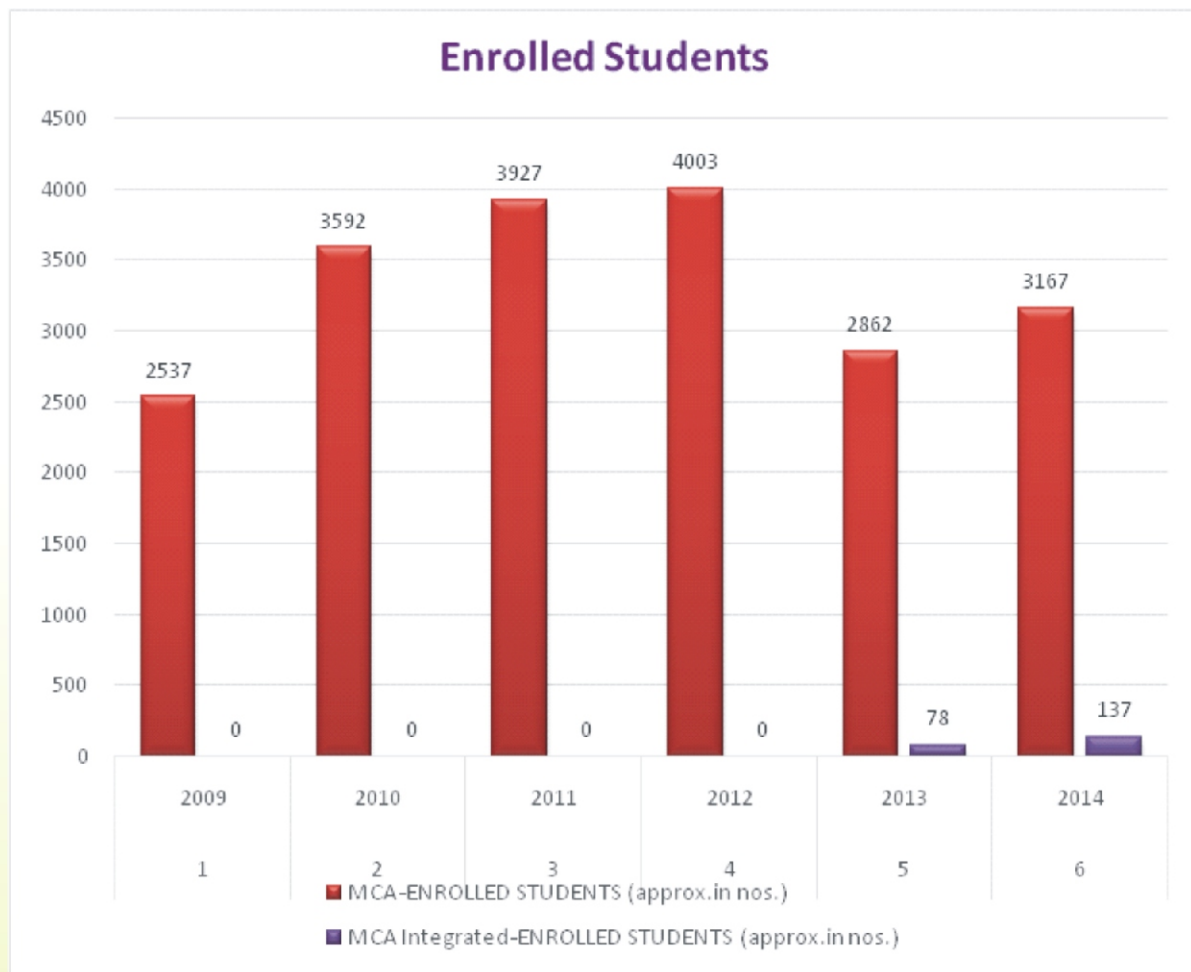


TABLE 1 STUDENTS IN WINTER EXAMINATION 2014

SR.NO	COURSE	STUDENTS (approx. in nos.)
1	MCA	10270
2	MCA INTEGRATED	182

Prepared by:
Ms. Jennifer R. Macwan



GTU PG Section: Business Management

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Introduction:

Gujarat Technological University (GTU) has been established in the year 2007. The first PG program in management i.e. Master of Business Management (MBA) has been offered by more than 100 Institutes affiliated with the university from academic year 2009-10. All Self-Financed Institutes in Gujarat State offering this course are affiliated to GTU since then. Many of these affiliated management institutes have also started offering another five years integrated dual degree management program called “Master of Applied Management (MAM)” since the academic year 2012-13. As per the university policy, syllabus of the course is reviewed by the Deans, Industry and Corporate Experts and Experienced Faculty Members from different Institutes. Deans identify expert faculty as well as industry experts and help in coordination for the syllabus. Academic year wise, Students Statistics are given in the below table.

PG Courses in Management			
Course	Academic Year	Total Enrolled Student	Total Pass out Student
MBA (2 Years)	2009-10	5698	--
	2010-11	7109	3498
	2011-12	6604	6049
	2012-13	7842	5119
	2013-14	5403	5318
	2014-15	4747	--
MAM (5 Years)	2012-13	41	--
	2013-14	500	--
	2014-15	581	--
MTM (5 & Half Years)	2011-12	2	--
	2012-13	11	--
	2013-14	21	--
	2014-15	20	--
MPM (5 & Half Years)	2013-14	28	--
	2014-15	48	--

Master in Business Administration (MBA) Programme:

There are more than 100 SFIs affiliated colleges who offer the MBA programme of GTU since academic year 2009-10. In MBA Programme, the specialization in following Basic Functional Areas have already been offered by GTU since previous academic years.

1. Marketing Management
2. Finance Management
3. Human Resource Management
4. Information System Management
5. International Business Management
6. Banking & Insurance
7. Rural & Agro-Based Management
8. Asian Business-Immersion Study
9. Sustainable Global Businesses

Beyond these, GTU has started offering specialization in the following new functional area too from the academic year 2014-15.

1. Entrepreneurship and Family Business

Apart from these, MBA program of GTU offers the below listed Elective Courses since the inception of this program. The student has to select any one of these elective in the second year of the programme.

1. International Business (IB)
2. New Enterprise and Innovation Management (NE & IM)
3. Quality Management (QM)
4. Corporate Taxation (CT)
5. Financial Planning (FP)
6. Gandhian Philosophy for Managing Business (GPMB)

From the Academic Year 2014-15, GTU has started offering the following new electives too.

1. WTO Multilateral Trading System and its Impact on Business (WMTS-I)
2. Retail Operations (RO)

Beyond the teaching scheme of MBA being divided among three components vies theory, mid and internal marks; every course of this program has 20 percent weightage of immersion study kept as entire 5th module of the syllabus of these courses. Where, each student has to undergo in detail study of different industry and understand the practical aspects of entire syllabus of respective subject.

Since the academic year 2011-12, GTU has introduced two new practical subjects providing global & industrial exposure to all MBA Students. These are 'Global Country Study Report (GCSR)' and 'Comprehensive Project (CP)' respectively. Till last academic year both the subject, have been evaluated internally at the individual Institute level as far as the 3rd semester's academic part is concerned. From the academic year 2014-15, the GCSR has been made to be evaluated by University external examination with the active participation of the Industry and Corporate Senior Experts duly appointed as External Examiners of the Viva Practical Examination of this subject.

Further to enrich the program, from the winter'14 examination, new question paper format has been designed and adopted from MBA Semester 1 with the introduction of Multiple Choice Questions (MCQ) as well as various case studies to be solved by all students appearing in this examination. The major objective behind modifying the question paper format is to extend the open platform to the students to learn, understand and solve the real time corporate problems virtually before entering to the real corporate world.

Conferences, Seminars and Workshops in the area of Business Studies

1. February 22nd and 23rd, 2014: International Conference on Management of Globalised Businesses: Emerging Perspectives at Faculty of Management & Business Management, Marwadi Group, Rajkot.
2. March 14th and 15th 2014: 2nd Internal Conference on Corporate Governance: Contemporary Issues & Challenges in Dynamic Indian Economic Environment- held at GTU Chandkheda Campus.
3. January 8th and 9th, 2014: Re-designing the Structure of Universities for coping with Challenges of the 21st \Century (with a special focus on Universities in the Indian sub-continent) and the sixth Plenary Meeting of the Research Project on 'Designing the Structure of Technological Universities'; 45 Vice-Chancellors from outside Gujarat and 63 Directors/ Deans as representatives of their Universities participated in the conference.
4. To accomplish the goal to make the management students globally competitive, GTU's PG research centres have launched one innovative program for MBA students and faculties. The program is named as 'Multi Location Collaborative Learning (MLCL)'. As a start-up of MLCL, PG research centres, Faculty of Management at GTU has initiated a research project on Study on Relative Impact & Objectivity of Different Media in collaboration with DHBW, Stuttgart, Germany. The 1st Phase of the research was to study the Relativity and Objectivity of different media on Indian Parliamentary Election 2014 has been conducted from 1st March 2014 to 10th May 2014. Kindly Visit: http://www.gtu.ac.in/circulars/14May/14052014_04.pdf for 1st phase research report.



Promoting continuous improvement and recognizing excellence of business education programs has become a scorching requisite around the world. The formal accreditation by world's most recognized association or body serves this objective globally. Mr. DOUGLAS VIEHLAND (Executive Director of ACBSP-USA) has been invited for explaining the Accreditation process of GTU's affiliated Management Institutes and making them globally recognized. Mr. Mitesh Dadhania, Dy. Director & ISA, GTU with the support of Dr. Rajesh Khajuria coordinated the entire seminar. Dr. S. O. Junare, Dean, Management Program, GTU introduced Mr. Douglas to the participants. Mr. Douglas then, familiarized about Mission & Vision of ACBSP's as stated below.

More than 70 participants from the GTU affiliated Management Institutes have interacted with Mr. Douglas about the significance and need of the Global Accreditation of their Business Studies Institutes. The profound discussions had really been an icebreaker for all of them to start working on to get their institutes accredited worldwide by such a renowned accreditation organization. The Deans of Management Discipline and interdisciplinary along with the syllabus committee chairperson have also been the active part of the seminar.



6. “Mutual Exchange of GTU's Global MBA Program and Their Ideas for Excelling and Outshining Further”
With Dr. Dinesh Sharma, Professor, University of Lukhnow:



He also highlighted on the technical problems being faced by institutes during registration process. He oriented about the requirements as well as online process of ACBSP registration through below ppt. ACBSP accredits business, accounting, and business-related programs at the associate, baccalaureate, master, and doctorate degree levels worldwide.

Mitesh Dadhania, Deputy Director, GTU delivered the welcome speech to the participants in the meet. He introduced Dr. Dinesh Sharma in brief and highlighted about the career profile of Dr. Sharma.

Dr. Dinesh Sharma, emphasized on Change for Youth Development. He has conveyed to audience to generate the change acceptance attitude among them. He also apparently asserted the participants that if we do not go after what we want, we will never have it in our life. He agreed by the saying of the great Socrates





“The Secret of Change is to focus all of your Energy, not on fighting the old, but on building the new”. He added by saying “Change is Inevitable, Progress is Optional”.



Dr. Sharma as an academican pointed to the Youth of Nation with developing the change adaptation attitude. He motivated by saying of Swami Vivekananda “Talk to yourself once in a day... otherwise you may miss meeting an excellent person in this world”. Youth should be guided for Development of Nation Because “The Youth of a Nation are the trustees of Posterity” said by Benjamin Disraeli, a British Conservative politician, a great writer and aristocrat of his own time.

Master of applied Management (MAM)

MAM is 5 year Integrated Dual Degree Course in Management. It is an AICTE approved integrated programme after 12th for science and general stream student. GTU has started this program with two Institutes in academic year 2012-13. These affiliated Institutes offering this program have been increased up to 20 from the academic year 2013-14.

The Communication and Soft Skill Review Process of all MAM students studying in semester three and above in all affiliated institutes of GTU is proposed to be undertaken in the current academic year. There are total 17 Institutes having approx. 450 MAM students of semester 3 and above. The team of Review Process shall comprises 3 to 4 persons including one Dean, one GTU Staff, the Communication and Soft Skill Expert and one Senior Faculty of any other leading & well established University.

Master in Technology Management (MTM) & Masters in Pharmaceutical Management (MPM)

Simultaneously, GTU has also introduced Dual Degree Post Graduate Programmes in Technology as well as Pharmaceutical fraternity. This are known as “Master in Technology Management (MTM)” & “Master in Pharmaceutical Management (MPM)” for engineering as well as pharmaceutical respectively. The undergraduate students of engineering and pharmaceutical graduate program have to study one subject in each semester from 3rd semester to 8th semester. During the 9th and 10th semesters, all students have to study all subjects of management discipline only. Whereas, during the last semester of these program, all students have to undergo with a major project work throughout the semester. Therefore, both these courses are scheduled for period of 5 and half years to be offered with dual degrees. These both courses are offered by very limited affiliated Institutes of GTU.

Prepared by:
Mr. Mitesh Dadhania

Faculty of Pharmacy (B. Pharm., M. Pharm. & Pharm. D.)

Preamble:

Gujarat Technological University (GTU), Ahmedabad offers B. Pharm. since 2008, M. Pharm. since 2009 and PhD (Pharmacy) since 2011. In the year 2014, GTU started offering Pharm. D. program. This all programs run at different Pharmacy colleges affiliated with GTU.

Number of Pharmacy colleges affiliated with GTU:

For B. Pharm.: 88 colleges

For M. Pharm.: 52 colleges

For Pharm. D.: 01 college

Unique features of B. Pharm.:

- Syllabus is divided in eight semesters and flexibility has been given to affiliated colleges to conduct internal assessment on the basis of “Continuous Evaluation Performance (CEP)” of students
- Syllabus is prepared and periodically revised in consultation of Industry experts
- Currently syllabus is under revision phase and project work will be included as a part of syllabus in B. Pharm. semester 7 and 8.
- GTU also provide placement assistance to final semester B. Pharm. students by way of organizing “Centralized Placement Fair of Pharmacy”

Specialization offered in M. Pharm.:

Sr. No.	Specialization in M. Pharm.
1	Clinical Pharmacy
2	Industrial Pharmacy
3	Medical Chemistry
4	Pharmaceutical Analysis
5	Pharmaceutical Chemistry
6	Pharmaceutical Management And Regulatory Affairs
7	Pharmaceutical Quality Assurance
8	Pharmaceutical Technology
9	Pharmaceutical Technology And Pharmaceutics
10	Pharmaceutics
11	Pharmacognosy
12	Pharmacology
13	Pharmacology & Toxicology
14	Quality Assurance
15	Quality Assurance And Pharm. Regulatory Affairs
16	Quality Assurance Technique

3 Tire examination system for M. Pharm.:

GTU has adopted very unique 3 tire examination system at M. Pharm. level to see that each M. Pharm. project should be unique and useful.

Tyre-1: Centralized examination of M. Pharm. (Sem-3) students for their “Introduction to Dissertation”

Tyre-2: Centralized examination of M. Pharm. (Sem-4) students during mid of their semester to check their progress.

Tyre-3: Centralized examination of M. Pharm. (Sem-4) students during their final dissertation to check their final output.

Patent Search & Anti-Plagiarism Search at M. Pharm. Level:

To increase novelty component in research projects, GTU has introduced “Patent Search & Analysis Report (PSAR)” as a part of syllabus of M. Pharm. (Sem-3) students, wherein each student has to study five patents related to their topic and accordingly differentiate their project with related patents.

To overcome issue of plagiarism, GTU has also introduced anti-plagiarism search to all M. Pharm. (Sem-4) students, wherein they have to carry out search and submit their reports along with thesis.

Placement assistance for Pharmacy students:

GTU has started organizing Centralized Placement Fair for Pharmacy students from April 2014.

So far two placement fairs have been organized and 385 students of B. Pharm. and M. Pharm. have been offered jobs during these fairs.

**Prepared by:
Dr. Manish A. Rachhh**



Under Graduate Programs (B.E.,P.D.D.C.,B.Arch.,B.H.M.C.T., B. Plan)

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GTU offers following undergraduate programs of Engineering, Architecture, Hotel Management, and Planning.

- (i) Bachelor of Engineering (B.E.), Duration 4 years
- (ii) Post Diploma Degree Course(P.D.D.C.), Duration 4 years
- (iii) Bachelor of Architecture(B.Arch.), Duration 5 years
- (iv) Bachelor of Hotel Management & Catering Technology (B.H.M.C.T.), Duration 4 years
- (v) Bachelor of Planning(B.Plan), Duration 4 years

The admission process in above programs is done by ACPC-Admission Committee for Professional Courses (www.jacpldce.ac.in).

There are 126 Engineering Colleges affiliated with GTU who are running **B.E.** course. The first batch of students was enrolled in the year 2008. There are 34 different disciplines in which B.E. degree is awarded. In the fourth convocation (2015) of GTU, degree will be awarded to eligible students who were enrolled in the batch of 2010 and successfully passed from the course in the year of 2014. The table below shows the number of students appeared in final semester exam of last 3 years.

Year	No. of students appeared in Final Semester	CPI>=6	CPI>=7	CPI>=8	CPI>=9
2013	26448	20740	8270	1227	27
2014	31904	25501	12062	2067	45

From the academic year 2013-14, new curriculum is designed by GTU for all B.E. disciplines. In this new curriculum, more weightage is given to non-practical work done by students and their involvement in the design of engineering process. In every discipline, wide range of elective subjects are provided so that subjects are provided so that a student is motivated to put effort for subject of his interest and as per the demand of the market.

The evaluation process of GTU is well balanced between theory and practical. The students of first and final year of B.E. are also evaluated by examiners other than their parent Institutes, so that the methodology adopted by teachers can be exchanged between the colleges. GTU is giving freedom to the teachers so that they can apply their own methods for evaluation (Group discussion, model preparation and presentation, MCQ type exam, project development) of students.

International Experience Program (IEP) is a novel concept introduced by GTU since 2012 where the final year students are visiting the Foreign Universities and study subjects as per the agreement made between GTU and respective University. In the year 2014, 26 students of Mechanical Engineering and 26 students of Electronics & Communication Engineering participated in IEP and went to Kansas State University, USA. From Computer Engineering/Computer Science & Engineering/Information Technology, 56 students participated and went to Laurentian University, Canada under IEP in 2014. From Electrical Engineering, 18 students went to Wismar University, Germany under IEP program in 2014.

Prepared by:
Mr. Mahesh Panchal
Ms. Khushbu Batavia



Diploma Programme

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CONVOCATION
Thursday, 22nd January, 2015

Many initiatives were taken during Academic year 2014-15 in Diploma Engineering Section of GTU. New Diploma Engineering institutes started this year and more than 53000 students have enrolled.

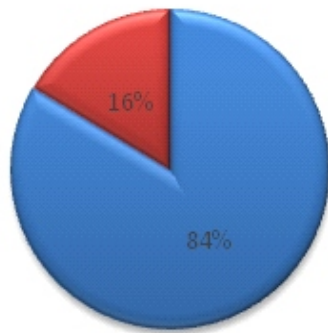
In accordance with the revision in curriculum started from academic year 2013-14, new syllabus up to Semesters V and syllabus for Semester VI is already designed. Diploma section has put in the required efforts to conduct the examination of new syllabus subjects smoothly. Modified question paper format is also made applicable in synchronization with updating in syllabus.

In addition, Diploma Section has made necessary arrangements to conduct the examination of BRIDGE course subjects offered to the students laterally admitted to Semester III of Diploma Engineering by C2D mode.

Diploma Section facilitated the regular and remedial exam of odd and even semester in summer and winter session of this year. The data of which is as follows:

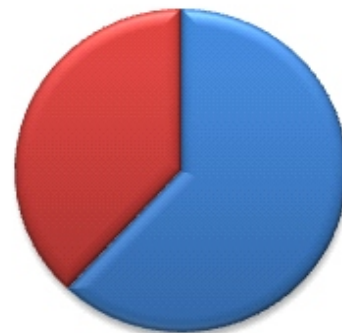
Semester	Students in	
	Summer 2014 Exam	Winter 2014 Exam
1	63620	83353
2	99905	73418
3	45424	72079
4	52604	29508
5	16818	41934
6	30454	8686
7	410	892
8	712	217

Semester 2



■ FAIL ■ PASS

Semester 4



■ FAIL ■ PASS

Semester 6



■ FAIL ■ PASS

Semester 8



■ FAIL ■ PASS

Prepared By:
Mr. DivyeshBhagat
Mr. NareshJadeja
Prof.Kshama Shah



EXAM SECTION

4th
ANNUAL
CONVOCATION
Thursday, 22nd January, 2015

GTU started its functioning in ACPC building, L D Engineering college campus from 8th July 2008 with affiliation of 50 degree engineering colleges, 69 degree pharmacy colleges, 59 diploma engineering colleges and 17 diploma Pharmacy Colleges. Approximately around 52000 students were enrolled as the first batch of the university. The post graduate courses M. E., M. Pharm., M. C. A. and M. B. A. were affiliated in the year 2009. At present there are about 5.0 lac students studying more than 500 affiliated colleges.

Application of e-system for Examination process

To eliminate the possibility of leakage of question papers and to avoid mass copying at the examination centers, Gujarat Technological University has introduced innovating strategies for better management of examinations. University introduced Electronic Distribution of Examination Papers System in the very first university examination which was held in December 2008. Conventional paper printing was replaced by the encrypted Compact Disk. Gujarat Technological University is the only university in Gujarat having an e-system of conducting examination. Examination process using e-system has been proven to be the most reliable and confidential system, and is appreciated all over.

Examination Process & Set-up

To make the process of examination smoother University has divided the whole state into five zones: Ahmedabad, Gandhinagar, V.V. Nagar, Rajkot and Surat. At each of the zones, a faculty from GTU affiliated institute is appointed as a zonal officer along with administrative assistant and office assistants.

Zone	Name of Colleges operating as zonal office
Ahmedabad	RCTI Campus, Opp. High court -Ahmedabad
Gandhinagar	RCTI Campus, Opp. High court -Ahmedabad
V.V. Nagar	B&B Polytechnic-VallabhVidyanagar
Rajkot	A. V. Parekh Technical Institute -Rajkot
Surat	Governments Engineering College -Surat

University appoints faculties of affiliated colleges as observers. An observer has to reach to the exam center at least 45 minutes before the beginning of the subject exam. All examination centers are connected via closed user group mobile for better communication among affiliated institutes and university. All the affiliated institutes are given in-house training by GTU official for Decryption of question paper CD. A mock round is also arranged before the beginning of exams to share the know-how and to give the feel of university exam system. For decryption of exam CD, JAVA based software is used. It needs three passwords as institute password, university password and day password for decryption. A day password is sent through SMS to each exam centre on its University registered mobile number by controller of examination before half an hour of the subject exam.

- During any university subject exam, a student is given a subject barcode which is to be pasted by the student himself/herself.
- At the end of the subject exam, the student is required to hide his/her identity ie. Seat no., enrolment no., supervisors name & signature as well as institute name by pasting hollow black stickers.
- After completion of day exam, answer books are packed under the supervision of GTU observer. He/she hands over answer book packets to concerned zone centres.
- At the zone office, all answer books of a particular subject are received from different exam centres are shuffled thoroughly and then are packed in bunches of 100.
- On the next day, all answer books packets are submitted to the university from zone offices.
- University shuffle all the packets of answer books received from various zones.
- After gathering all the answer sheets, it is distributed to various teachers of affiliated colleges in all 5 zones for the assessment.
- Examiners are given answer books along with examiners UID (Confidential Unique Identification Number).
- To prepare the result data entry of marks is done from the answer books. To ensure the authenticity of data entry, final total of marks is verified before the declaration of result.
- To create a continuous evaluation process all the marks are entered online and are also stored in University central server. These marks are visible to all the students once it is entered and are saved successfully on GTU online marks entry portal.

University starts declaring results in about one month after date of last examination. To facilitate student's grievances, the rechecking applications are invited from students of up to pre-final year of UG and diploma programs and for reassessment only in final year's semester. In case of PG programs reassessment applications are allowed for all semester. Once the rechecking and reassessment process is completed, student's grade cards are printed and delivered to all the institutes. Finally, the summery of student's Grade history is updated on the University Website.

System of Evaluation and award of Degree

On the basis of his/her performance in examinations, assignments, and practical exam student is awarded a grade. These grades are awarded based upon the notification of AICTE. The performance of the students in a semester is indicated by a number called the Semester Performance Index (SPI). SPI is the weighted average of the grade points obtained in all the subjects taken by the students during the semester. An up-to-date assessment since the enrolment of the student is obtained by calculating Cumulative Performance Index (CPI). The CPI is the weighted average of the grade points obtained in all the subjects taken by the students since he/she entered the course.

For study without interruption, maximum 4 backlogs are permitted excluding backlogs of immediate previous semester.

Introduction of E-assessment:

Gujarat Technological University has taken many initiatives to position itself as a global university by adapting innovative systems for benefit of the students and faculties under the visionary and inspirational guidance of Honourable Vice Chancellor. This has been possible because of entire support and positive attitude of all Colleges, Principal and faculty members. To make examination system more reliable, transparent and accountable, GTU has introduced the 'E - Assessment system' for Term End External examination of MBA Semester - 1 as pilot project in winter 2012 examinations. Ripening on the success the 'E - Assessment' was implemented in all PG programme to achieve early declaration of results.

Current scenario:

Brief idea about the current scenario of colleges/students affiliated with to GTU

Course	No. students examined Summer Examination		
	2012	2013	2014
Degree Engineering	2,60,094	2,97,535	1,93,211
Degree Pharmacy	19,012	18,853	9,064
Deg. Archit./Planning	161	210	415
Hotel Management	39	43	60
PDDC	1,092	1,215	1,073
Diploma Engineering	2,50,913	2,05,395	1,72,650
Diploma Pharmacy	696	366	389
ME	3,239	5,586	6,026
MP	3,426	4,041	2,995
MBA	22,757	23,121	11,824
MCA	17,667	21,918	19,933

Prepared By:
Mr. Jeetendra Lilani
Mr. Sumit Sharma



Affiliation Department

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Gujarat Technological University started working with affiliated colleges on 8th July 2008. Government of Gujarat transferred all Government Degree, Diploma Programme in Engineering and Pharmacy to GTU. On 26th May, 2009 by another notification Government of Gujarat transferred Post Graduate Programs in Technical and Professional courses to GTU. GTU started Ph. D. programme in academic year 2011 for faculties of Engineering, Pharmacy, Management and Computer Science. Almost all the technical institutions in Gujarat State which mainly offer technical programme like Degree Engineering, Diploma Engineering, Pharmacy, Management and Computer Application are affiliated to Gujarat Technological University. Total 491 institutions are affiliated with GTU.

Glance at Affiliating Institutions (Academic year 2014-15)

Sr.	Name of Programme	Affiliating Institutions/Colleges
1	Degree Engineering	112
2	Master of Engineering*	70
3	Diploma Engineering	133
4	Diploma Pharmacy*	8
5	Bachelor of Pharmacy (B.Pharm.)	70
6	Master of Pharmacy (M.Pharm.)*	58
7	Master of Business Administration (MBA)	95
8	Master of Computer Application (MCA)	60
9	Master of Applied Management (MAM)- Integrated Dual Programme*	27
10	Master of Computer Application - Integrated Dual Programme*	9
11	Master of Computer Application – 2 yrs*	8
12	Master of Technological Management (MTM)*	1
13	Master of Pharmacy Management (MPM)*	1
14	Bachelor of Architecture	8
15	Diploma in Architecture	1
16	PDDC*	3
17	Hotel Management	1
18	Pharm.D	1
19	Bachelor of Planning	3

* Not Counted.

Objective: To Maintain Quality, Harmony&Consistency in Technical Education&Professional Courses in colleges, affiliated with GTU.

❖ Activities are under taken by the Affiliation Department:

1. To Prepare Selection Criteria and Norms for Faculties in SFI as per AICTE/GTU.
2. To Prepare Norms for Selection Procedure & Selection Committee.
3. To Prepare Norms for Advertisement & Scrutiny.
4. To prepare norms for promotion under CAS for GTU affiliated SFI institution.
5. To maintain the quality of education & functional harmony in the Technical & Professional courses, LIC & Academic inspection of all the affiliated institution including Government and Grant in aid are conducted every year and reviewed for the various functional aspect of the institutions. If major deficiencies found, then university takes appropriate action against those institutions as per prevailing apex body norms.
6. Based on review of LIC/Academic Inspection Report, temporary affiliation are granted to the institutions.
7. Procedure for Endorsement to the faculty of SFI institution.
 1. To Collect Names for V.C Nominee & Subject Expert from Deans of the Different Zones.
 2. The role of V.C.Nominee & Subject Experts in Selection of Faculty.
 3. Selection File to be submitted to the Affiliation Section within 15 days after completion of interview at the Institute.

❖ Procedure for scrutiny of faculty selection file.

- V.C.Nominee Report
- Selection Committee as per Norms or not
- Procedure followed in selection of the faculty or not
- **Scrutiny of selected faculty**
 - (A) Basic qualification
 - (B) Required attachment of documents.
 - (C) Valid Experience documents
 - (D) In case of Married lady faculty, requirement of marriage certificate.
 - (E) Preparation of Office Note:
 - Endorsement of a faculty
 - Document to be furnished by a faculty
 - It is duly signed by all concerned of Affiliation section & Registrar
 - Finally endorsement letter is issued
 - Introduction of new program/course

❖ NO OBJECTION CERTIFICATE FOR

- Variation in intake
- Closer of course/program/institute

8. Grievances of faculty & student of SFI institution.
9. RTI & Legal issues related to Affiliation section.
10. Affiliation software designed & prepared with the help of IT Department.
11. It is difficult to search out previous year's records of various institutions. So a tailored made software is prepared for affiliation department. The said software includes following information such as :-
 - Apex body approval letter AICTE /PCI/ Council of Architecture and Town Planning etc.
 - Affiliation Letters.
 - Endorsement Letters.
 - LIC & Academic records.
 - Minutes of the selection committee meeting.

It will retrieve the data easily as and when required. Implementation of the software by up loading recent data is already started.

Prepared By:
Mr. Yogesh Shukla
Mr. Kamlesh Patel



Infrastructure

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Currently Gujarat Technological University (GTU) is spread over in three different office premises. GTU head quarter administrative building is situated at Chandkheda, Ahmedabad in the land allotted by the Government of Gujarat of approx. 23.11 acres at Vishwakarma Government Engineering College Campus, Chandkheda, Ahmedabad. The said building is called as Gujarat Technological University administrative building, Chandkheda, Ahmedabad.

More over Education Department of GOG has approved the following works in the budget as new item, which are to be constructed in the above premise.

- 1.0 Residential bungalow for the University's Vice Chancellor.** This work is sanctioned in the budget at an estimated cost of Rs. 1 CR. This bungalow is having a built up area of about 428 sq.mts with all necessary residential facilities are suitable for Vice Chancellor. Bungalow work is completed except water supply and drainage. This bungalow is likely to be handed over to GTU up to June-2015 by R&B, Department.
- 2.0 Building for staff accommodation of GTU at Chandkheda.** Rs. 15.97 CR is sanctioned in the budget. This building is having 10 storie with 4 unit quarters at each floor and a total of 40 residential quarters. Each quarter shall have 3 bed rooms, drawing and dining room with kitchen. Total built up area shall be about 7715 sq.mts. These quarters are built for the officers/staff of the University, Professors and Faculties. At present construction of this tower building is at final stage except water supply and drainage. This bldg. is likely to be handed over to GTU by June-2015 by R&B, Department.
- 3.0 Post Graduate building for GTU.** In this building 12 PG Research Courses are to be set up in the coming year. Rs. 26.08 CR is sanctioned in the budget. This building will be 6 storied with 2 PG course on each floor. Plans & estimate are prepared by R & B Dept. The proposed building will have the built up area of about 20223 sq.mts and the cost of the same works out to be 44.40 CR. The revised administrative approval of Rs. 44.40 CR. is pending with the Education Department of GOG. The work is likely to start in the month of April-2015. This building will have four class rooms, two admin offices and two **research rooms**. Each floor of the school shall have four classrooms, two admin offices, two research assistant's rooms, two lab rooms, four professor's room, library room with reading, store room and other common utilities.
- 4.0 Learning Resource Centre Building. Rs.1.00 CR is sanctioned in the budget for Learning Resource Centre Building at the Chandkheda Campus.** Plans & estimates are prepared by R & B Dept. The proposed building will have the built up area of about 1205 sq.mts & cost of the same works out to be Rs. 4.04 CR. (Proposal of according by revised administrative approval of Rs. 4.4 CR. is pending at Education Department of GOG). The work is likely to start in the month of April-2015. This building will have library room, reading room, central computing room, central server room, data room, audio-visual room, assistant librarian room, catalogue room and librarian room with other common utilities.
- 5.0 Laboratories and class rooms building at Chandkheda Campus.** Rs. 13.66 CR is sanctioned in the which budget. Recently sketch plans are prepared by chief architect of GOG according to GTU requirement comes out to be with the area of about 10032 sq.mts The proposed shall have six floors with latest equipped for pharmaceutical sciences, pharmacogonsy, pharmacology, solar pharmaceutical analysis, pharmaceuticals pharmaceutical chemistry, pharmaceutical sciences, with amenities like water heater, cold water generation plant, AHU for centrally AC supply, RO system on terrace and other required amenities. The estimate cost shall likely to be Rs. 30 CR hence revised administrative approval is required from Education Department of GOG. The matter is pending at education department of GOG.

- 6.0 Boys and Girls hostel building:** The building for construction of boys and girls hostel at GTU Chandkheda is sanctioned with the budget cost of Rs. 10 CR. sketch plans of the buildings are approved by GTU and sent for detail estimate to R&B Dept. of GOG. The proposed built up area for boy's hostel comes out to be 3510 sq.mts and for girls it comes out to be 2678 sq.mts. The proposed hostel for boys is to accommodate 150 boys at present and with provision of expansion to accommodate about 400 boys. The proposed hostel for girls is to accommodate 100 girls at present and with provision of expansion to accommodate about 300 girls. The likely cost as per actual area is about Rs. 15.75 CR. Revised administrative approval from the education department of GOG is pending.
- 7.0 Auditorium Building.** The building for construction of an auditorium hall to accommodate about 1000 students is sanctioned in the budget new item with the estimated cost of Rs. 10 CR. The detail plans are under preparation by C.A.T.P. of GOG.
- 8.0 GTU Satellite campus in old NIFT building (old GNLU building) at Sector-26, Gandhinagar.** The Government of Gujarat has allotted to GTU the building vacated by Gujarat National Law University at Sector-26, Electronics Estate, G.I.D.C., Gandhinagar for academic purpose in the year July 2012. The plot area of this campus is 4185 sq.mts. The built up area of the building is 4725 sq. mts. The building is having 11 class rooms, 1 conference hall of about 335 sq. mts. at ground floor and one conference hall of about 46 sq.mts. The first floor the Library Hall is having area of about 335 sq.mts. The chambers for, professors, Vice Chancellor, Registrar and staff are also available. This is a very good building for teaching purpose. At present this building is used for E-assessment of answer books, and CCC examination. GTU has planned to start dedicated center for Pharmaceutical studies and drug delivery technology in this building.
- 9.0 GTU satellite campus at BISAG at Gandhinagar:**
At the fourth floor of academics building of Bhaskaracharya Institute for Space Application and Geo-Informatics, Gandhinagar. PG Courses for VLSI & Embedded System, IT System and Network Security, Wireless & Mobile Computing Courses are presently going on.
- 10.0 GTU satellite campus at second floor of ACPC building L.D. College of Eng. Compound Navrangpura, Ahmedabad**
The second floor of ACPC building is used by GTU innovation council and other research events at present.
- 11.0 Proposed GTU satellite campus as and when land will be allotted by the GOG.**
In addition to Chandkheda and Gandhinagar Campus, GTU has demanded the land from the Government situated at Sargasan Chowkdi or Nr. Village lekavada (notified area of Gandhinagar) on Borij, Chiloda Road on Palaj lekavada chowkdi. After the availability of this land, the University will be able to get the sanction as per Clause 12-B of UGC which will make it possible to get the fitness of grants as per UGC rules. University has proposed to make and construct infrastructure facilities as below within next two 5 year plan. The proposal of GTU to acquire this land is under consideration by education department.
- 11.01** Building for Integrated Training and Placement.
11.02 Building for Central Computer Center.
11.03 Building for Faculty improvement Programme (FIP).
11.04 Building for Curriculum Development Center.
11.05 Building for Central Library.
11.06 Building for Distance Learning Center.
11.07 Building for Exhibition Hall / Museum.
11.08 Building for Industrial / Technology Park.
11.19 Building for Residential Quarter.
11.10 Registrar Bungalow
11.11 Controller of Examination
11.12 Quarter for Class-I Officers
11.13 Quarter for Class-II Officers

- 11.12** Quarter for Class-I Officers
- 11.13** Quarter for Class-II Officers
- 11.14** Quarter for Class-III Employees
- 11.15** Quarter for Class-IV Employees
- 11.16** Quarter for Security Staff
- 11.17** Quarter for House Keeping Staff
- 11.18** Building for University Guest House
- 11.19** Building for Convenient Shopping Center
- 11.20** Building for Community Hall / Centre.
- 11.21** Building for CRECHE (Day Care Centre)
- 11.22** Building for Health Center.
- 11.23** Building for Central Store.
- 11.24** Building for Sports Center
- 11.25** Building for Maintenance Cell / Estate Store.
- 11.26** Building for Water Work Station.
- 11.27** Sewage water Treatment plant.
- 11.28** Over Head water Tanks / Sumps as per Requirement.
- 11.29** Fire Prevention Center.
- 11.30** Electrical Power Station.
- 11.31** Building for Hall for Seminar / Conference/Work Shop / Symposia / Short Tram Courses
- 11.32** Building for P.G. Center and laboratory for V.L.S.I. Design & Embedded Systems.
- 11.33** Building for P.G. Center and laboratory for Cyber Security.
- 11.34** Building for P.G. Center and laboratory for Mobile Computing & Wireless Technologies
- 11.35** Building for School of Engineering & laboratory
 - Civil Engineering
 - Infrastructure Engineering
 - Mechanical Engineering
 - Electrical Engineering
 - Electronics & Communications
 - Computer Engineering & Applications
 - School of Pharmacy Building
 - School of Business Studies Building
- 11.36** Hostel for Girls
- 11.37** Hostel for Boys
- 11.38** Hostel for International Student
- 11.39** Visiting Scholars Guest House
- 11.40** Building for Innovations Council
- 11.41** Building for GTU Skills Councils
- 11.42** Gymnasium Building
- 11.43** Building for Alumni Service Centre.
- 11.44** Building for Industrial & Business Consultancy.
- 11.45** Building for Post Graduate center for Technology Education & Policy
- 11.46** Building for NCC Activity.
- 11.47** Building for Storage - Handling of Answer Sheets & E-assessment of Examination (SHAEE) for Gujarat Technological University, Chandkheda, Ahmedabad 382 424.
- 11.48** Internal Roads, Fencing, Boundary walls, Gates, Signage's, Lit poles, Sewerage lines, Plantations & Land Scalping, Gardens.
- 11.49** Cricket Ground, Tennis Courts, Volleyball Court, Basket Ball Court, Kho Kho, Kabadi, Parade Ground.

11.50 Building for Post Office, Bank ATM etc.

Institutional Development Plan (DPR) for each building is under preparation and will be submitted to education department of GOG within short time.

12.0 **GTU Satellite campus for zonal offices at Rajkot, Surat and Vadodara.**

GTU has decided to create its own zonal offices at Rajkot, Surat and Vadodara. For this purpose search for government land at these centres is in progress.

Prepared by:
Mr. Dhruvkumar Badrakia
Mr. Hemal Patel



Accounts

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Gujarat Technological University established in the year 2007 and the function of University began from Academic year 2008-09. Major functions and Expenses are related with the exams. Education Department of Govt. of Gujarat is released the Block Maintenance lump sum Grant to G.T.U. Except this all the expenses Incurred from the own fund of the university.

Some information about the policies of accounts section is as under.

- ❖ Accounts Section has started the payment of TA/DA in cash from 2013 at Head Quarter (Chandkheda) and through E-Banking for other payments.
- ❖ Before making TA/DA payment, physical verification of conveyance car/two wheeler is done at the campus and those who are not able to get verified their vehicles, they will be paid ordinary bus fare.
- ❖ SBI collect facility is made available to all the stakeholders of the University for making online payment and 24*7 days for college students, faculties and any person/party who wants to make payment to the university, for any official work.
- ❖ Reconciliation of old advance accounts of the examination conducted by affiliated colleges from beginning of the University, i.e. since F. Y. 2008-09 to till date.
- ❖ Proper system has been established for making all the payments within the time limit without any delay on the regular basis and the said payments are made within two hours for TA bills and 48 hours for other routine bills i.e. within two days after bills received.
- ❖ The Zonal Bills are paid on regular basis at the completion of current examination (and before starting next examination).
- ❖ Extra work like complaint and application of stakeholders also gets solved promptly.
- ❖ In place of manual work, most of the work is done by computerisation.
- ❖ Budgetary Provision of Rs. 500000/- is made for conducting the Staff Welfare Activities.
- ❖ Regular Capacity Building of the Staff of Accounts Section based upon the office procedure, the financial rules and proper behavioural approach to the visitors / stakeholders of the University. To achieve this target staff meeting is conducted at the section level on regular basis.

Prepared by:
Dr. Ramsinh H. Rajput
Mr. Mukesh Parmar



4TH ANNUAL CONVOCATION MoUs



Report on MoUs between GTU and other Organizations during the Year 2014-2015

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Sr. No.	Name of Institution/University	Focus Area/Purpose of MoU/Loc
1.	National Institute of Technical Teachers' Training and Research (NITTTR) & National Mission on Education through Information and Communication Technology (NMEICT) , Bhopal, India.	To optimally utilize the NMEICT products and rolling out key projects of NMEICT/MHRD in all Polytechnic and Engineering Colleges across the State.
2.	Tejas Network Limited, Bangalore, Karnataka, India.	<ul style="list-style-type: none"> ● To provide Technology & Research Test Bed for students and faculty at University. ● To improve technical competence, employability and entrepreneurship of diploma and under graduate students of GTU affiliated Institutions .
3.	Oracle India Private Limited , Gurgaon, Hariyana, India.	<p>To facilitate the delivery of Oracle Academy curriculum to the students and teachers in following courses :</p> <ul style="list-style-type: none"> ● Database design / Programming with SQL . ● Java Fundamentals / Programming . ● Getting started with Alice 3 and Greenfoot .
4.	Global Talent Track Private Limited, Pune, Maharastra ,India.	To conduct communication skills programme for students at GTU .
5.	Asia Professional Education Network , Tokyo, Japan.	As a member of APEN, contribute in preparing and promoting PBL (Project Based Learning) to foster professional industrial Human Resource.
6.	Institute for Plasma Research, Gandhinagar , Gujarat , India.	<ul style="list-style-type: none"> ● To encourage research in the field of Science, Engineering, Technology and management by way of guiding Masters and Ph. D students of different streams of GTU by Scientists and Engineers of IPR. ● To set up centres of excellence in GTU affiliated colleges, wherever possible by utilizing the expertise of IPR and availability of funds by affiliating colleges for the research.

7.	Huazhong University of Science and Technology (Hust) Wuhan, China	To promote cooperation in the field of exchange of students, faculty and research members, exchange of information and publications, development of joint research projects, joint teaching and out reach programs, and promotion of lecture and symposia.
8.	Glass Academy India , Chennai, Tamilnadu ,India.	To impart glass façade, fenestration & processing skills to the Diploma Students of Civil & Mechanical Engineering and School dropouts (Skill Gurukul) in GTU identified Polytechnic Institutions of Gujarat. These train students will be industry responsive and readily employable in the industry .
9.	National Tsing Hua University,Taiwan	To join the operation in the direction of developing educational, creative and business relations in the various fields of Management and Engineering in following ways: <ul style="list-style-type: none"> ● Exchange of students for Internship, Dual Degree Course and Research Work. ● Exchange of teaching staff for lecturing, conducting seminars. ● Exchange of training and methodical literature, teaching plans and curricula. ● Arrangement and conducting of joint seminars, conference, exhibitions.
10.	Yunnan Minzu University (YMU), China	To promote international exchange and cooperation in following ways: <ul style="list-style-type: none"> ● Exchange of faculty and administrative staff. ● Exchange and Cooperation in scientific research and academic activities. ● Exchange of students. ● Exchange of research materials, publications, reports and other academic information. ● Organizing of joint research projects. ● Co-sponsoring cultural events.

<p>11.</p>	<p>Memorial University of Newfoundland Newfoundland & Labrador, Canada</p>	<p>To make collaboration on academic and research activities in following ways:</p> <ul style="list-style-type: none"> ● Exchange of faculty members. ● Undergraduate and graduate student mobility . ● Exchange of publications, research materials, newsletters etc. ● Joint project related to research, teaching and faculty development. ● Development of joint initiative with partner institutions, including joint or collaborative degree programs.
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Prepared by:
Mr. Jeetendra Lilani
Mr. Naresh Jadeja



4TH ANNUAL CONVOCATION Achievements



Awards

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(i) 4th Digital Learning World Education Summit Awards, August 7-8, 2014

On August 7 2014, GTU was awarded **Best Higher Education Institute in Public-Private Partnership** at Hotel Eros, New Delhi India. The event was organized by Elets Technomedia Pvt Ltd. It was Co- organized by United Nations Educational, Scientific and Cultural Organization (UNESCO), All India Confederation for Women's Empowerment through Education (AICWETE) and The National Commission for Minority Educational Institutions (NCMEI). World Education Summit was graced by the present of eminent dignitaries such as Chief Guest Dr. Najma A Heptulla, Union Minister for Minority Affairs, Government of India, Mr. R P Sisodia, Joint Secretary, Higher Education, Ministry of Human Resource Development (MHRD), Mr Praveen Prakash, Joint Secretary, Technology Enabled Learning and Mission Director, NMEICT, MHRD, S S Jena, Chairman, National Institute of Open Schooling (NIOS), Vishaka Nanayakkara, Ministry of Higher Education Government of Sri Lanka, Unni Krishnan Korothe, CEO, Foradian Technologies, Dr. Sandhya Chintala, Vice President, NASSCOM, Dr S S Mantha, Chairman, AICTE, Mr. Dilip Chenoy, CEO and Managing Director, National Skill Development Corporation.

(ii) ASSOCHAM Education Excellence Awards, February 19, 2014

On February 19 2014, GTU was awarded **Best Higher Education Institute/University of the Year** at Hotel Shangri-La, Janpath, New Delhi Organized by ASSOCHAM India. The Associated Chambers of Commerce and Industry of India (ASSOCHAM), India's premier apex chamber covers a membership of over 4 lakh companies and professionals across the country. It was established in 1920 by promoter chambers, representing all regions of India. The jury this year had on board a panel of pre-eminent personalities across significant domains of the social set-up, who, brilliantly adept as they are, shall apply their expertise and adroit wisdom to arrive at the most reasoned and deserved of judgments. ASSOCHAM assured that the entire process of evaluation and assessment would be conducted by the esteemed jury with highest tenets of transparency and accountability. Incharge Registrar Dr. G P Vadodaria, OSD Ms Almas Juneja and Ms. Roma Thakur received the award in presence of **Padma Vibhushan Dr. Karan Singh Ji - Chief Guest, Shri D S Rawat** Secretary General, ASSOCHAM and S S Chawla Senior Director & Head Education Department ASSOCHAM.



Achievements by Affiliated Colleges, Faculties and Students

1. Book Publications- 261
2. List of Copy-Right Applications Filed by GTU Affiliated Colleges- 28
3. Grants Received by Colleges- 101
4. GTU Faculty Honours'- 31
5. GTU Student Honours'-28
6. Patents - 297
7. Research Paper/Article Publications-238

Prepared By:
Ms. Roma Thakur



4TH ANNUAL CONVOCATION GTU Programmes

4 GTU Programmes

- 4.1 Contributor Personality Development Program**
- 4.2 International Collaboration and Student exchange**



Contributor Personality Development Program

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Introduction

Gujarat Technological University has introduced the subject 'Contributor Personality Development Program' from academic year 2011-12 as there is a great need to equip the students with not only the right skill-sets but also the right mind-set. The combination of effectiveness with human values is crystallized in the concept of “Contributorship”.

Students of technology should not only be excellently trained in the technological skills but they should acquire soft skills if they wish to be successful. Every student must also learn about the techniques of effective participation in a group discussion. The students must learn to prepare their resume and they should also be groomed for presenting themselves at interviews. The subject is introduced at Diploma Engineering, Degree Engineering, Pharmacy and Master of Computer Application (MCA) level with the motive to enable the students to develop the right approach towards their peers, seniors, industry and their own future, which helps them to become more responsible and capable of shaping their own lives.

Therefore, the program is rightly called a “Contributor Personality Development Program”.

Vision of the Course:

- ✓ To inspire the students to develop a larger vision of their own career.
- ✓ To inspire them to become conscious of their role and contribution in the act of collective institution and Nation building.
- ✓ To Develop the Effectiveness, Human values and Service Oriented Behaviour which can lead to “Contributorship” among the students.

FDPS and workshops:

To make the program more effective and to motivate the trainers, GTU keeps on organizing Faculty Development Program across Gujarat.

In the Faculty Development Program, two days' workshop for selected faculty members of the colleges under the auspices of GTU had been organized. The participants included (a) Faculties from colleges in which CPD was rolled out for the first time in the semester (b) Faculties who were conducting the program in their college for the first time (c) Any other faculty who desires to attend.

The workshops familiarized participants with the program study books and exam pattern. Mock sessions are held under expert guidance so that faculty could improve their delivery skills before actually running the program for students.

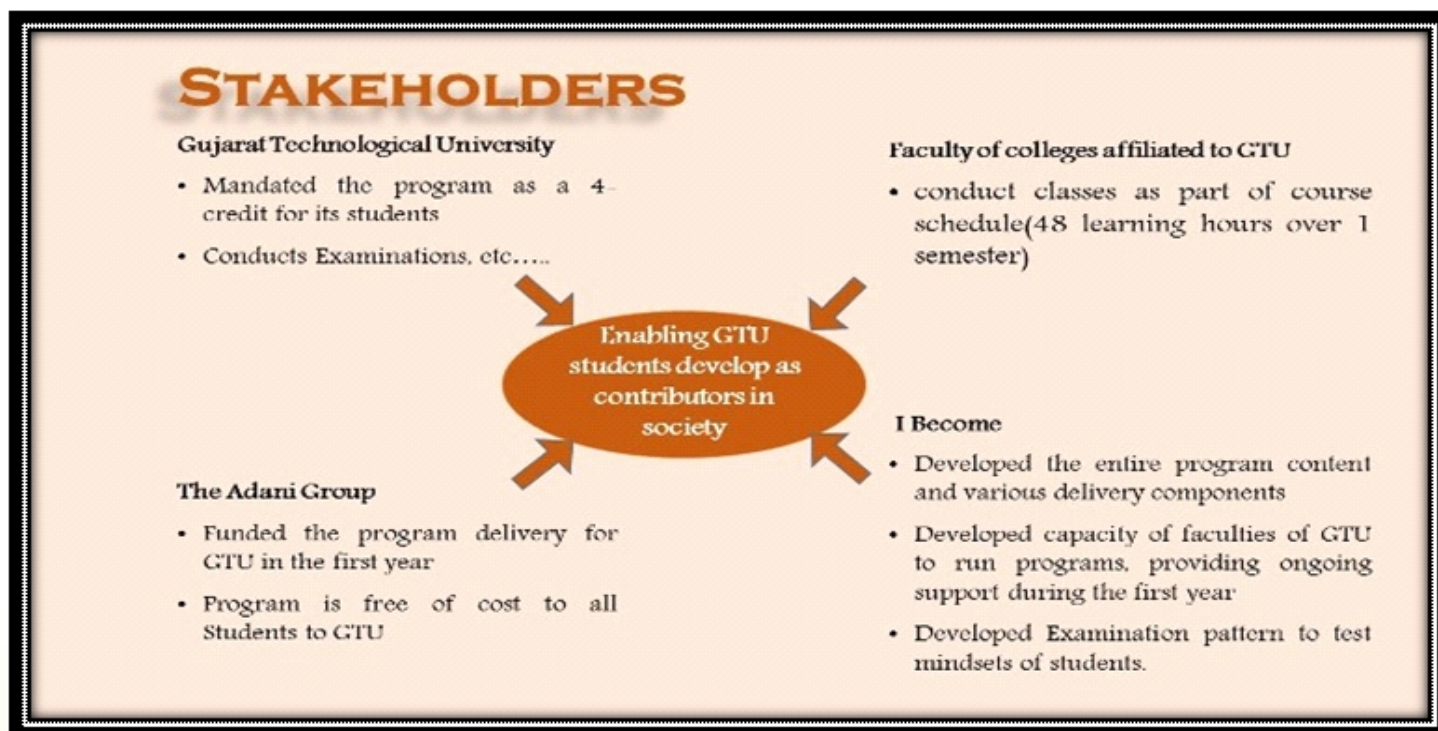
Total of 450 nominated faculty members underwent Two-day's training at the beginning of the semester.

The objective of the FDPs

- (a) To share and discuss the course framework and the key ideas underlying the subject, and
- (b) To share and discuss the pedagogical practices involved in delivering this course to the students

The faculty members discussed the key ideas on the subject through discussions, debates and sharing of experiences.

Stakeholders of the Program



Evaluation

GTU has internally evaluated the Contributor Personality Program. On the basis of the evaluation, Grades were given to the colleges based on their teaching and learning methods. Total 1266 faculty members are trained in FDPs for Contributor Personality Development Program.

To critically evaluate the success/limitations of the course CPD, GTU entrusted Indian Institute of Teacher's Education (IITE) to evaluate the status and prospects of the course 'Contributor Personality Development (CPD) as an External agency. More than 200 teachers and 8000 students are covered in the present study. The evaluation has been carried out through questionnaires on 5 point grading system. The findings are obtained using various statistical techniques. The findings of the present study revealed that the CPD Program in its present form is proved to be effective one. Almost all aspects of introducing this course near 150th anniversary of Swami Vivekananda are being fulfilled. To rejuvenate the program, GTU had designed the questionnaire to get the opinion from faculty members.

The CPDP cell also has taken the feedback on the current status and areas of improvement in CPDP in end of the year 2013. About 110 faculties from 95 Institutes had given their opinions to enhance the implementation of CPDP course.

Website for CPDP

Based on the faculty responses collected in workshops and FDP, under the direction of Hon'ble Vice Chancellor Dr.Akshai Aggarwal, CPDP cell has designed a website for the course. Any student can enquire on CPDP website related to any CPDquery. A Blog is also created on the website for CPD. The main attraction of the website is the "Academic Support" tab, where, the faculties and students having the registration in the website can upload/share the relevant material of CPDP and its innovative pedagogy. All stakeholders can download such material for their academic purpose from the website.

Brainstorming meeting for CPDP

GTU's CPDP cell has obtained a feedback of faculties to know the faculties' views on the current status and the improvements in three core parameters of CPDP i.e. Course Content, Pedagogy and Evaluation Patter. Looking at the feedback, it was observed that there is a need to have a brain storming on course contents, and pedagogy of CPDP which can strengthen the program. So, GTU has organized “Strengthening CPDP: A One Day Workshop on Rethinking on Contents and Pedagogy of CPDP” on 25th April 2014.

The objectives of the brainstorming meet were...

- (1) To discuss how to strengthen CPD program
- (2) To discuss the ways to improve course content
- (3) To discuss innovative techniques of teaching and learning pedagogy
- (4) To develop a platform for a continuous improvement in CPDP



About 110 CPDP faculties from various branches participated in the event. Mr. Biren Anand from iBecome was invited as a Key Note Speaker. He has conducted an interactive session with the faculties. Prof. Siddharth Jadeja, Executive Director, B. H. Gardi College of Engg. & Tech. for the sharing of “Wonder Working Engineers” an innovative concept in line with CPDP at Gardi Engineering College, Rajkot. Dr. Shyam Khambholja, who has coordinated the CPDP Evaluation through IITE also shared his experience of the meeting and discussing on the benefits of CPDP with students and faculties during the project.

Future Plan:

- ✓ Preparation of CPDP Handbook, Containing all guidelines, pedagogical techniques and evaluation pattern which can work as a comprehensive ready-reckoner for CPDP faculties and students.
- ✓ Plan to organize the FDPs on CPDP to motivate the faculties of CPDP and to implement innovative techniques for teaching pedagogy.
- ✓ Organized Brainstorming meetings for CPDP faculties via social media tools.
- ✓ As per the opinion of faculties there are many repetitive concepts in CPDP book, propose to change the core contents of the subject.

Prepared by:
Prof. Almas Juneja
Mr. Keyur Darji



International Experience Program

GTU's Internationalization program is by far one of the largest program in all the Indian universities.

International Experience Program is important component of international program, Joint research and exchange of students and faculty members.

Total number of students visited in summer 2014 are: 193 at Germany, Canada and USA

Students are studying two subjects in the partner university and GTU grant them credit on successfully passing the subjects.

About IEP:

The program designed in 2010 and implemented in 2011 with the aim to develop Engineering and Management students to be globally competitive and stand out from the rest of the crowd.

The program started from 2011 from Canada. A pilot program was created under which 34 GTU students of Management visited University of Alberta (UOA). On success of this program in 2011, GTU has quickly expanded this program for 2012 where Computer science, Electronics and Pharmacy branches are added.

Since 2012, the program is continuously going on to Canada, and USA. Every year, more and more students are now benefiting from the program.

In the year 2013, GTU has collaborated with German university. Management and Electrical Engineering students are chosen for this program. Mechanical Engineering branch has been also introduced in IEP at USA apart from EC branch.

In the year 2014, 193 students have visited three different universities in Canada, Germany and USA.

IEP-2014

The Program for 2014 was announced on January 9, 2014 on GTU's website. Students of all affiliated colleges were informed to join the program via email and GTU website. GTU team worked on the complex process of verifying the details of the students with the necessary documentation for visa.

The students of US program have to appear in the interview at US consulate at Mumbai, so individual students were called and asked to appear in mock interview before appearing for the actual visa interview at US consulate gave confidence to the students and helped them realize their strength and weaknesses. These drills also help many to prepare themselves to be better prepared for the upcoming visa interview.

For Canada and Germany, students have prepared the documentation for necessary visa under the guidance of GTU's International office. Total 193 students have been granted visa for the program which gave 100% result.

There are primarily three large groups traveling in IEP. First at Laurentian University, Canada; second at Wismar University, Germany and third at Kansas State University, USA. The program duration for LU and Wismar is of six weeks and for KSU it is eight weeks.

IEP at Canada:

Students of CE, CSE, IT Engineering, Pharmacy and MCA are among those who have participated in 2014 program at Canada. All students have been received by LU at Toronto International airport and a special bus service was arranged for the students to take them from airport to the University campus. Students were allotted their residence at the campus. After orientation the classes were started on the given dates by Dr. Passi for Computer science and by Dr. Gerardo for Pharmacy students.

IEP 1 Class rooms at Lu

Students enjoyed well equipped audio visual class rooms with full access to the library.

The purpose of the program is not only study, but to have an experience where students can see, visit and understand different things. As a part of program, a special meet was organized from the department of Geography of LU on city of Sudbury. Dr. Jorge Virchez has shared the information about the local history of the city to the GTU students. Students were taken to city tour by LU with the local guides to make them aware about the city.

- 1 LU-Laurentian University
- 2 KSU-Kansas State University



IEP 2 at cancer awareness program

Students were taken to the Cancer Awareness Program held in Sudbury in the memory of people who lost their lives due to cancer.

It was a unique experience of the students that there was a pin drop silence even though the ground was filled with 3000 people.

IEP 3 students with one of their mentor and professor Dr. Khalid

The complete subject outline and class plan was given to the students in the first lecture so they can plan their study. The interactive classes were another experience for the students endorsed under IEP throughout the week.



IEP 4 students at Canada day

In the evening of Canada Day, students visited the area close to the Parliament of Canada and witnessed many cultural activities. Different activities were going on in the street. They also met some local Canadians and got to know the history of Canada Day celebration. Students visited Parliament, House of Commons, Senate and Library.



IEP 5 Snap of house of commons

A library so huge, with over 1 million books; amazed them. Students were made aware about the importance of library and books for personal knowledge of the elective members and people working in the parliament.

IEP 6 Students in exam

Students did not know the pattern of the exam which is usually not the case in their colleges. Some students shared that there was bit of tension among students due to different system and two exams in one day. After appearing the exam many said the experience was totally different and they felt like they were judged for knowledge they have.



IEP 7 students group pic in auditorium after exam

It was found that the method of exam was very helpful in making their concepts clear and enhancing their subject knowledge.

IEP 8 students giving presentation on their projects

25th July 2014 was the submission of Wireless Communication and Mobile Programming was like an interview in which students demonstrated the application to Dr. Khalid Mahmud and explained their work. The students felt that it was the kind of experience they were looking for, an interactive submission and brain storming during presentation an experience worth taking.

Same way 26th July 2014 was the submission of Web Data Management which was conducted in the form of presentation in-front of Dr. Passi. Frequent presentations were very useful to showcase the work done by the students and to test their understanding which helped them to develop themselves and improve their confidence and interpersonal skills. After the presentations, students started working for their final exam preparation and project work.



IEP at Germany:

IEP at Germany was held for two branches:

1. Electrical Engineering
2. MBA



IEP 9 Electrical engineering group

For both the branches, students of pre-final year are selected for the program. The German program was bit different in two ways. In addition to the two subjects which the GTU students are going to get credit, they have to study an additional subject for their knowledge enhancement. For electrical students the subject was Wireless communication and for management students the subject was project management and leadership. All together, 44 students of electrical Engineering and MBA have been to Wismar University, Germany.

IEP 10 Volkswagen darson plant.

Along with the 6 week study, the students were taken to different industrial visits as a part of this program. Students visited companies like Volkswagen, airbus, BMW, Egger.

These visits are part of their program and especially management students have to prepare a detailed report on the same. On the basis of the report the students of management were evaluated for the Summer Internship program viva-voce.

Viva - VOCP is organized by GTU's international department after the arrival of students from Germany under the supervision of expert deans and directors of management colleges.



IEP 12 students of electrical engineering with the professors.

Three things students found different at Wismar compared to their home town. First, everything has to be on time: Class, assignments, study visits and leisure visits. Second, the method of teaching is different and more towards the application of the given subject with lots of brain storming. Third, is importance of self-study. Students have to work for few hours in a week to finish the tasks given to them and work to earn good scores in the subjects they used to study in Wismar University. Every student said that if they just understand the theory only like they usually do back home, there are less chances to get good score in the class. They have to understand the theory and also understand how to implement that theory hence they can give their inputs in internal and external work and viva voce.



IEP 13 Students on Prague visit.

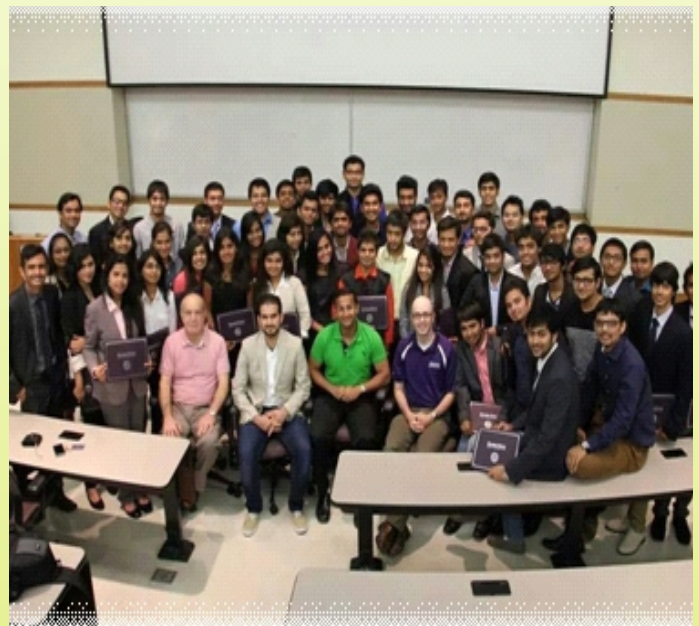
The most incredible experience every student shared with International department apart from the study was the game of football. The football world cup was going on and Germany became Champion. Students of IEP got an opportunity to sit and enjoy this experience with German people. Every student said it was a one in life time experience.

IEP USA :

IEP 14 The complete batch of Iep 2014 with dr. hosni, mehersehadi, drbala, drkevinwanklyn (left to right)

Students of Mechanical Engineering and Electronics and Communication Engineering who appeared in semester-6 exam of GTU have participated in the program jointly held by Gujarat Technological University and Kansas State University. 52 students of both the branches were granted visa to visit USA under this program and have the life changing experience after finishing this specially designed program. Students have studied two subjects of their final year in USA for 8 weeks apart from cultural and other activities.

After the long but not tiring journey, the teaches reached the city of Manhattan, also called the “little apple”, this was the dorm where students resided during the 6 week tenure, off the edge, state-of- art facilities provided, with beautiful rooms, making no student feel away from home, a truly comfortable stay.





IEP 15 Student at in the basement due to tornado warning

The very first night there was a storm in the city and all the students were rushed to the basements at 3 a.m., a general practice, most Americans follow during severe thunder and storms.

IEP 16 at the breakfast in ksu campus on first day of Iep 2014



The first breakfast, at DERBY DINNING, the food was amazingly good, nutritious, full of variety, fruits, veggies, burgers, at times Indian delicacies used to be served like the poha , mushroom, mutter and many more.

With the fun and frolics came in the first day at RATHBONE hall where the classes begun, with homework being given daily, daily quizzes and fun filled lectures and classes being held from 9.00 am to 12.00 noon . .

IEP 17 Jeffery energy center visit

The first industrial visit at the Jeffery Energy Centre, 1870 MW thermal powered energy center, where the students got to learn about energy generation and management.



IEP 18 independence day celebration at Wamego

After the exams, a trip to Wamego was organized to enjoy the Independence Day celebrations on 4th of July, a wonderful parade, carnival and fireworks unmatched.

IEP 19 students giving exams.



IEP 20 students having look at formula one car build by K-state students

One of the student, Antriksh Arya, out of curiosity for automobiles asked Prof DrWanklyn to show the STUDENT BUILD FORMULA CARS, and their work shop, the Professor was generous enough to drive them down to the place,



IEP 21 Students enjoying garbas

The Indian Student Association at K- state organized a cricket league for the IEP group, where 8 teams took part including the IEP GTU teams, the league lasted for two days, adrenaline full moments, finally one of the GTU teams, broke through and won the match.

IEP 22 final certificate distribution for Iep

Then heading towards the end there was the certificate distribution ceremony where the students were awarded certificates of completion of course with the DEANs and HODs addressing them.



IEP 2015:

GTU has already announced IEP 2015 on its international website: www.international.gtu.ac.in under “recent activities”. International department has planned the program with three countries with all the branches.

The department is in communication with other projects such as possible master program for GTU students in Germany and addition of Civil engineering branch in IEP.

In addition to cope with the large applications and better manageability of the entire program the entire process is now online for IEP-2015 and all the necessary information to the students will be sent by emails and social media.

GTU's international department is in constant touch with other foreign universities to develop the program and planning to invite foreign students for excursion visits or for short cultural and academic visit

Prepared by:
Mr. Hiren Thakar



4TH ANNUAL CONVOCATION GTU Councils

5 GTU Councils

- 5.1 Innovation Council**
- 5.2 Skill Development Council**
- 5.3 GTU Skill Council For Management Studies**
- 5.4 Co-Curricular Activities**



DESIGN ENGINEERING

Development of Design and Project-Based Learning System at GTU

GTU has started the process of updating its syllabi to develop a design-based learning system. To improve the quality of project carried out by the students, GTU Innovation Council has introduced the concept of Design Engineering through various canvas activities. In this process the team members are required to follow design thinking approach and create a problem definition through the process of immersion, observation and engagement. The objective for the introduction of Design Engineering is to insert design thinking approach for developing incremental innovations for existing products or processes by doing innovations in form/feature/function and material/method/application of product. This process is called Design Driven Innovation.

GTU Innovation Council has introduced a very new, innovative - Design Engineering subject in BE, it is a first of its kind of initiation in Indian Education System. A strong six semester spine of Design Engineering has been included in the syllabi, with initial introduction of Design Engineering subject in 3rd & 7th semester.

For effective introduction of this Design Engineering, GTU Innovation Council had organized series of Faculty Development Programmes, seminars and workshops to train all faculty about the objectives of this newer concept and its details. These FDPs are planned to sensitize faculty about design driven innovation and intervention. Design Engineering is introduced starting from 3rd semester by GIC to develop an insight about the importance of design as an essential tool of development into all sectors of engineering. For the current year it is also introduced for final year students, with an insight to improvise the current projects and create an innovative frame work.

The essential concepts of Design Engineering were introduced with the help of various canvas activities. The Faculty Members worked on five different canvases related to the Design Thinking during the course of the workshop. The canvases are Empathy Mapping, Ideation Canvas, Product Development Canvas, Business Model Canvas and Design Thinking Venture Canvas. With the help of trained faculties, the essential concepts of Design Thinking were successfully transformed to all students by GIC.

GIC mentors worked along with all participating faculties on various design canvases at S4 center during eight sessions of FDP, each of them runs for three days. During each of these FDPs, participating faculty had gone for extensive training related to Design Thinking. Through all such eight sessions of FDPs, 590 faculty members have been trained for Design Thinking methodology from approx. 115 Engineering colleges and 20 branches throughout Gujarat state.

The following external mentors: Mr. Yash Saxena, Prof. Bhaskar Bhatt and Prof. Rohit Radhakrishnan had contributed to a significant extent for effective introduction and implementation of Design Engineering. Through this design thinking initiative more than 1,20,000 canvas reports have been generated by 3rd and 7th semester BE students across the state.

STUDENT START-UPSUPPORT SYSTEM (S4):

Under S4 department, GIC has also carried out and introduced numerous activities and made significant progress similar to last year activities. The key programmes, workshops and events along with their outcome are listed below under various headings.

Workshops related to CROWD FUNDING:

Crowd funding (alternately crowd financing, equity crowd funding, crowd equity, crowd-sourced fundraising) is the collective effort of individuals who network and pool their money, usually via Internet, to support efforts initiated by other people or organizations. Crowd funding is used in support of a wide variety of activities, including disaster relief, citizen journalism, support of artists by fans, political campaigns, start-up company funding, motion picture promotion, free software development, inventions, scientific research, and civic projects.

- ❖ **One day Crowd-Funding Workshop was organized on 30th January 2014**
- ❖ **Crowd Funding Initiator 1 on 16th June to 11th July, 2014**
- ❖ **Crowd Funding Initiator 2 from 8th to 22nd December 2014**

Seeing the global acceptance to the Crowdfunding, with assistance of Start51, a residential boot camp, first of its kind, was conducted with the aim of increasing awareness for Crowdfunding in Gujarat and also to give a platform to good ideas which can be funded by the same model. The month long workshop saw various activities right from making a pitch video to making a rewards based business model and marketing your idea. The event proved to be the best example that the start-up ecosystem in Gujarat has great potential but remains untapped in many areas.

Workshops related to FLASH VENTURE:

This Idea Fuel initiative is a flash venture making program where an ideation workshop goes through stages of problem identification, problem solving, and 'customer' interviews, prototype designing, and design-redesign loop. The flash venture workshop is typically attended by students who work in teams to solve a problem, apply design thinking methodologies and learn about creating a new venture. We, at GTU Innovation Council, are taking grassroots level measures by drawing upon the best practices across universities. We are developing roadmaps for the next generation pedagogic interventions for helping grow student start-ups.

- ❖ **Flash Venture Workshop organized on 16th February 2014**
- ❖ **Flash Venture Workshop on 13th April 2014**
- ❖ **Flash Venture Workshop organized on 20th April 2014**

START-UPS

S4 has been working to nurture student start-ups in action research mode and S4 has succeeded in sensitizing the whole of the GTU community about entrepreneurship. S4 has driven through various entrepreneurial processes from ideation workshops, idea fuel workshop where participants got extremely delighted after working in the loop of design thinking and leading up to venture design. Since the Union Govt. has declared nearly 10,000 crores INR support to start-ups during this year's financial budget, the whole of the start-up community is excited to revitalize its efforts. Shaping policies and executing them at S4 (Student Start-up Support System), it keep them to build best environment for start-ups to grow.

- ❖ **Workshop on building start-ups in mobility and internet space organized on 23rd February 2014**
- ❖ **Start-up analysis Workshop to build the capacity of S4 fellows organized on 14th March 2014.**
- ❖ **Start-up analysis Workshop on 12th April 2014**
- ❖ **Debate: “What it takes to hatch a million dollar student start-up from dorms of Indian Universities?” organized on 18th April 2014**
- ❖ **Start-up Internship Program (S4-SIP): One-day program organized on 12th July 2014 at S4-C3.**
- ❖ **Debate on the “Role of Co-working space co-creation space for promoting Start-up culture” organized on 17th July 2014**
- ❖ **Legal Aspects of starting Start-Ups in evening on 1st September 2014**
- ❖ **Start-up Analysis from 2nd 5th September 2014**
- ❖ **Debate on “Student Start-up Policy for affiliated type University Systems” organized on 11th April 2014**

GTU STUDENT START-UP POLICY

Gujarat Technological University (GTU) has made extensive efforts in building an innovation and entrepreneurial culture at GTU during the last 4 years. GTU has developed interventions, which are organically linked to its pedagogical work. In India, GTU is the only large technological university, which has developed its own Student Start-up Policy. The Policy is based upon the experience of GTU's own successful efforts and it has also drawn upon the best practices from across India and abroad.

The Policy aims at supporting existing student start-ups, while nurturing new and fresh student start-up ideas, and helping students convert their ideas into business enterprises. By implementing this policy, the University aims at generating every year over 1 lakh student start-up ideas. The University then aims at converting at least 10,000 ideas into proof of concepts, leading to at least 1,000 student start-up enterprises every year.

GTU has launched first of its kind student start up policy with targeting affiliating type universities in India. From the available demographic data, it is evident that, to satisfy the need of university graduates, India needs to create nearly 1 million jobs every month for the next decade. While the public sector industries and large private sector industries would play their role, jointly they would be able to create only a fraction of the requirement. The only way to address this problem is to promote student start-up culture across the universities.

The Union and State Governments are focusing on a skilled India. It has been seen that students, who have gone through exposure of entrepreneurial endeavours, understand the importance of learning practical technological as well as soft skills and graduate with much better skill-sets. In a University, where the number of successful entrepreneurs increases, it is observed that the entire cohort of students start showing a greater interest in acquiring necessary skills. It has been seen that enterprise education/exposure and potential for better employment are correlated. Thus through the proposed student start-up policy, the State Universities will be able to contribute significantly to the skilled India mission of the Honourable Prime-Minister.

The key objectives of this Student Start-Up Policy are as below:

- Create 10,000 successful start-ups in the next ten years and establish Gujarat as start-up state of India.
- Strengthening creation of Knowledge economy.
- Create 1 million jobs through start-ups in the next ten years and support for MSMEs in Gujarat.
- Add 9,000 crores to state GDP through this start-up sector in the next ten years.
- Attract 18,000 crores of external investment to this start-up sector.
- Help other universities in capacity building for similar interventions.

Other Programmes under S4 activities:

- ❖ **Business Model Canvassing Workshop on 7th March 2014**
- ❖ **Round-Table on “Monetizing Mobile Apps” organized on 14th June, 2014**
- ❖ **Sensitization of GTU Affiliated Colleges on 12th, 13th, 14th and 16th August 2014**
- ❖ **Social Entrepreneurship Boot camp 23rd & 24th August 2014**
- ❖ **TiE over Coffee with P. K. Aggrawal in morning on 1st September 2014**
- ❖ **Microsoft Azure Training Session for Start-ups in ICT space on 27th September 2014.**
- ❖ **Microsoft Future prospect for women in IT on 20th December 2014.**

IPR ACTIVITIES

GTU Innovation Council (GIC) had started its mission for IP literacy for faculty and students since September 2011. Till today GIC had organised more than fifty workshops for faculty and students, based on various themes viz. “Patenting in Engineering”, “Patenting in Pharmaceuticals”, “Patent Search Methodology”, “Patent Search and Analysis Report (PSAR)”, “Patent Clinic”, “Patent Drafting Exercise (PDE)”, “PatenTrack”, “PCT Patent Journal Analysis Activity” etc. By all such workshops/seminars GTU has a very large pool of nearly 4000 trained faculty, who are trained and aware about the basics of IPR & Patents in particular and also the basics of patent search methodologies. Due to these efforts, till today more than 250 Patents have been filed by students and faculty of GTU affiliated colleges.

GLANCE AT THE VARIOUS IPR ACTIVITIES BY GIC:

1. Patenting in Engineering, Patenting in Pharmaceuticals and Patent Search Methodology: These are the basic workshops which GIC had organised since beginning to make faculty and students of various branches from technical education to familiar with the kind of IPR, basics of patent and introduction to patent search techniques.

2. Patent Search and Analysis Report (PSAR): The objective of this activity is to increase IPR/Patent awareness among students by familiarizing with patent websites & patent documents. In this activity each student of 7th Semester (BE) was asked to study at least 5 patents related to his/her project and have to prepare Patent Search and Analysis Report (PSAR) via specially developed web portal of GTU. By this activity, in a period of two years, more than 77,000 students have studied more than 3,74,650 patents.

3. Patent Drafting Exercise (PDE): In this activity all students of final year BE, were asked to draft a provisional patent documents for their project just by assuming that their project is Innovative & Patentable. All students were taught provisional patent filing procedures, steps & fees and about required details for various patent filing forms (1, 2 & 3). This activity was also carried out via specially developed web portal of GTU. Due to PSAR and PDE activity the literacy for IPR/Patents among all students and faculties were raised to a very significant level.

4. Patent Clinic: It's a unique initiative started by GIC to provide all possible assistance to students and faculty members from any branch of science or technology, to file patent for his/her innovative work or project. Patent Clinic is a two days' workshop in which GIC organises seminars and workshops on Basics of IPR/Patents, Patent Prior Art Search Techniques and its importance, Patenting System in India and Hands on exercises to draft patents.

5. PatenTrack: To promote innovative culture among students in a fun learning way, GIC had started PatenTrack competition with an objective to make the patent search fun learning process among students, to spread the awareness about importance of patents, to make students aware about patent holdings of various giant innovative companies, to develop a positive attitude of students for the patent search, to inspire students for doing innovative projects and to develop a competitive mind-set with presentation skills. PatenTrack is a competition, where-in patent search by students will be carried out for the assigned portfolio of innovative companies or the assigned technologies. Later on, presentations of analysed patents by each group for the studied patents were made.

6. Post Graduate Diploma in IPR: Further, to increase the skilled human resource that are not only technically sound but also having in-depth knowledge of IPR and patents, for them GTU had launched a one year off-campus programme on “Post Graduate Diploma in IPR” from September 2014.

Prepared by:
Mr. Naresh Jadeja
Mr. Amit Patel
Mr. Gagandip Singh Khanduja
Mr. Karmjitsinh Bihola
Mr. Sunny Patel
Mr. Chetan Dudhagara
Mr. Kalpesh Maiyad



Vocational Education and Skill Development

4th
ANNUAL
CONVOCATION
Thursday, 22nd January, 2015

NVEQF is designed to stimulate and support reforms in skill development and to facilitate nationally standardized and acceptable international comparability of ranging qualifications from secondary to doctorate level; a National Qualifications Framework (NVEQF) is being established by the Central Government.

The major aim of the scheme is to prepare educated, employable and competitive human resources for various sectors of the economy and the global market. Accordingly the definite objectives of the scheme work out to enhance the employability of youth through competency based modular vocational courses, to maintain their competitiveness through provisions of multi-exit learning opportunities and vertical mobility / interchangeably in qualifications and to fill the gap between educated and employable; and to decrease the pressure on academic higher education.

As per National Vocational Educational Qualification Framework provided by the AICTE, Vocational courses are to be introduced from next academic year 2014-15 in to two levels. (1) B. Voc. and (2) D. Voc.

Gujarat Technological University hosted a State Level Seminar on “**National Vocational Education Qualifications Framework**” on 26th September 2013 at Chandkheda Campus, Ahmedabad. 257 people from educational industry including directors, deans, trustees and HOD of different science, arts & commerce colleges across Gujarat attended the one day seminar.

The NVEQF seminar aimed to successful implementation of Vocational Program in affiliating institutes under guidance of Shri. S. S. Mantha, chairman, AICTE and Dr. Jayanti S. Ravi, IAS, Commissioner of Technical Education. New board for Vocational Studies is to be established for preparing syllabus of Vocational Studies in GTU. (Kindly Visit: http://www.gtu.ac.in/circulars/13Oct/14102013_01.pdf)

MOU Signing Ceremony between Gujarat Technological University and Glass Academy, India, On 8th November 2014 at 11.00 am At GTU Campus, Chandkheda

With the advent of technology and availability of materials locally, buildings in India have started having extensive amount of glazing-either in the form of façade glazing or in the form of windows. The private and Government infrastructure is also witnessing major growth in all parts of the country in which structural glazing plays a vital part of it.

However, while the Building Façade industry has grown very fast, there are gaps in skills in the glass façade and glass processing which has led to poor quality of workmanship, delayed completion and additional costs arising from rework. The more complex site operations are installation of facades and façade elements which require a range of skills and knowledge that are not yet been recognized as specific skill or trade.

In order to develop need based skilled manpower in the emerging sector of glass façade, fenestration and glass processing industry, the Glass Academy joins hands with Gujarat Technological University to impart glass façade, fenestration & processing skills to the Diploma students of Civil & Mechanical Engineering and School Dropout (Skill Gurukul) in the GTU Premises/Identified polytechnic Institutions of Gujarat. These trained students would be industry responsive and readily employable in the industry.

Meeting For “How to Established Skill Development Workshop”

Meeting for “How to Established Skill Development Workshop” was held on 22nd December 2014, Monday at the GTU Conference Hall, Chandkheda, Ahmedabad.

More than 50 Faculty members of Mechanical Department from various GTU affiliated Engineering Institutes have participated in the Meeting to establish Workshops for Skill Development Centers.

Mr. Regesh Bateriwala, Keepsake Engineering Pvt. Ltd., briefs about ASM library and how it's beneficial to Student, Researchers and Faculty members and to establish Skill Development Workshops we make group of faculty for each Workshop.

To move a step forward in the direction to establish Skill Development Workshop we are going to arrange second meeting to finalize Equipment list, institute for the workshop and course.

How to make proposal for NSDC and Role of Institute in NSDC proposal etc.

Prepared by:
Ms. Pina Bhatt
Mr. Margam Suthar



GTU SKILL COUNCILS FOR MANAGEMENT STUDIES

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GTU has implemented a new Global MBA program since August 2011. This program requires immersion studies and preparation of reports and case studies in different subjects. GTU's new MBA Program has three characteristics: Global, Innovative and Skill-oriented. Having the focus to enable the GTU MBA students with three major skill areas i.e. Finance, Human Resource and Marketing, on 13th May 2011 GTU had started the process of setting up the following MBA Skill Councils at a meeting of the Directors, faculties and managing trustees of the Management Institutes, affiliated with GTU:

1. GTU Financial Services Skills Council (GTU-FSSC)
2. GTU Council for Human Resource Studies and Organizational Structures (GTU-CHRSOS)
3. GTU Skills Council for Marketing (GTU-SCM)

Core Objectives

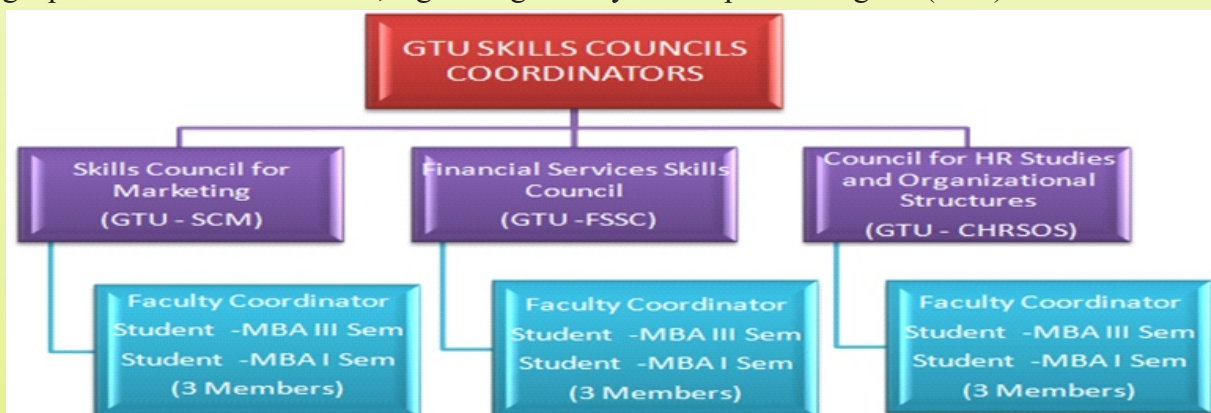
- To increase the employability of the students graduating from Management Schools.
- To facilitate the students in getting valuable assignments for Summer Internship.
- To jointly develop Case Studies.
- To develop Industry-Institute-Interaction and focus on skills rather than functions.
- To identify sub-sectors and develop skills of students to meet industry requirements.

Skill Council Activities

- Seminar/ Workshop/ Guest Lecture by Industry Expert
- Industrial Visit
- Any small Research Project
- Quiz/ Group discussion/ Debate preferably in presence of Industry Expert
- Additional Certification Course (e.g. NISM/ AMFI/ SAP/ SCM/ IRDA etc.)
- Sectorial Studies

Structure of Skill Councils at MBA Institute

To activate the skill councils, it is proposed to nominate one Faculty Coordinator, two student members (one from MBA III Semester and one from MBA- I Semester) from each specialization (HR, Marketing and Finance). This group of 9 members shall be responsible to activate Skill Councils and conducting related activities at Institute level. GTU-SCC (Skills Councils Coordinators) will work with them in terms of giving guidelines, solving queries, collecting reports from MBA Institutes, organizing Faculty Development Program (FDP) etc.



FINANCIAL SERVICES SKILL COUNCIL (FSSC)

Activities by Institutes organized under GTU-FSSC:

M. H. Kadakia Institute of Management and Computer Studies, Ankleshwar

1. The Institute had conducted one day seminar on “**Achieving Excellence in Professional Performance**” on 28th February 2014. The seminar was headed by Dr.N.K. Patadiya, who is a former HR manager at GNFC, Bharuch and M.R. & Trustee of Narmada Education & Scientific Research Society. Dr.Patadiya has addressed the students on the Topic of improving the professional performance through strategic Financial Management.



2. The Institute had organized one day seminar on “**Taxation of Income**” on 15th March, 2014 headed by CA Mukesh Thakkar, and independent Chartered Accountant from Vadodara. He gave knowledge of income tax that how an assessee can determine the real tax to be paid to government. He also explained how Taxation is having impact on the Revenues of the Government. He gave knowledge of tax evasion and tax avoidance in detail. He educated students by giving various ways through which government levied taxes on the citizens of that respected country.

3. Institute had organized seminar on “**Success Secret**” on 19th September 2014. This event was headed by Mr. Khurshed Panthaki, President of Success Management Consultants along with Mr. Kamal Naik, Senior General Manager from Chemiova Pvt. Ltd.





4. The Institute had organized another seminar on “*Derivatives*” on 8th November, 2014. This seminar was headed by Mr. Yogesh Darji who is the Director of FinIdeas Management Solutions Pvt. Ltd., Surat.

Shri Jairambhai Patel Institute of Management, Gandhinagar

The Institute had organized two day's workshop on “**Technical Analysis of FOREX Market**” on 27th & 28th September 2014. This workshop was headed by Mr. Harsh Japee from Ahmedabad Management Association, Ahmedabad.

Prepared by:
Mr. VikrantVala,
Dr. Sarika Srivastava,
Dr. Kaushal Bhatt,
Mr. Hitesh Gujarati



COUNCIL FOR HUMAN RESOURCE STUDIES AND ORGANIZATIONAL STRUCTURES (GTU-CHRSOS)

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GTU had started the Council for Human Resource Studies and Organizational Structures (GTU-CHRSOS). It consists of Senior HR Professionals from industry and businesses as well as from the academic fraternity.

The Objectives of GTU- CHRSOS:

- To study the structures of large organizations in the governmental or business or NGO environment
- To study the deployment of human resources and design of organizational structures for creation of dynamic and efficient systems.
- To act as a bridge between industry, government and GTU and to provide a platform for professionals to interact on various issues in the area of HR

Background:

GTU-CHRSOS had organized a HR Summit on “People Management & Organization Development Needs of Indian Industry with specific reference to Gujarat” on 5th November, 2012. Report is available on <http://www.gtu.ac.in/circulars/12DEC/03122012.pdf>

Towards the end of the Summit, FIVE areas of Research were shortlisted through consensus namely:

- Gr 1: Employee Engagement, Commitment and Satisfaction: Defining Patterns and Indicators in Schools and Banks.
- Gr 2: HR and OD: Needs and Practices (People related issues) of MSMEs
- Gr 3: Innovative HR practices in IT industries and IT based departments
- Gr 4: 360 degree feedback in small scale industry the power of 360 degree feedback
- Gr 5: HR in public services like community hospitals, schools like HR Needs, Competency Mapping etc.

A pilot study has been carried out, the result of which may be seen on this link: http://gtu.ac.in/convo_2013_report/11.5.pdf.

All faculty members of HR along with their students (with HR specialization) from various Management Institutes, have participated in this research, the result of which will be available at the end of their final year projects.

While students are being made to do immersion studies so that they may be abreast of current HR practices in various sectors in Industry, the CHRSOS has now initiated a drive to provide a platform for Management Teachers to enhance their research skills, adapt to new and effective teaching learning processes and also do immersion studies themselves in order to be able to develop / write caselets and / or cases.

In order to enable the Management Teachers to develop themselves in areas mentioned, GTU CHRSOS and Narmada College of Management, Bharuch have organized 3 FDP programmes, each of 5/6 days, which will be offering the quality and take-home equal to any good QIP.

With the renowned Resource personnel, the following are the three FDPs along with their dates:

1. Case Writing : Part I : 13th and 14th December 2014
: Part II: 17th and 18th January 2015
2. Advances in Research Methods and Data Analytical Tools : 2nd to 6th January 2015
3. Innovative Teaching Learning Pedagogy : 5th to 9th May 2015

The objectives of the FDP on Case Writing are as follows:

The specific objectives will be:

- Appreciate the complexities involved in case method of teaching
- Understand the role of Instructors in case method of teaching
- Realize the need, depth and level of preparation necessary to conduct an excellent case based teaching sessions
- Understand the preparation necessary to plan and write a case
- Learn the flow and sequence while writing the case
- Role and importance related to teaching note and its preparation

The first phase of this FDP on Case Writing is completed with the active participation of 28 teaching faculty from various B-Schools. They now will go back to their respective cities and either at individual capacity or as a team of two ; they will write/ develop caselets / cases pertaining to the company/organisation. The participants will share with their facilitators / resource persons during the phase two of the FDP scheduled on 17th and 18th of January 2015. Based on the feedback / inputs so received, the participants will refine their case and come back for Case Release on the 14th and 15th March 2015.

The cases that receive a Case Clearance from the resource personnel/ facilitators will then be part of a published book of local cases to be used in the MBA Classes at all Colleges of Management affiliated to GTU.

The Objectives of the FDP on Advances in research Methods and Data Analytical Tools, are as follows:

- To understand the purpose, process and methodology of academic research and develop research mind-set.
- To get exposed to the research methods and techniques used in academic research specifically in behavioural sciences, management etc.
- To develop the skills of writing research articles/papers etc.
- To facilitate the Research scholars in completing their thesis and writing quality research Papers
- To help the teachers benefit in their CAS (Career advancement schemes)

Here, for this FDP, we not only invite teachers in Management, but also those in technology, pharmacy, computer applications, etc. to participate so that they do good research themselves, and then teach their students also to do good and valuable research.

Here, we welcome research scholars from any University across India to participate. The programmes is also open for practicing managers / professionals.

The objectives of the 3rd FDP on “Innovative Teaching Learning Pedagogy”.

There is a great need to win over the attention / focus of students in Higher Education which actually is very poor. This FDP will hence focus on:

1. To understand the Psychology of students and be able to classify students on the basis of the learning ability.
2. To learn about globally used teaching learning pedagogy and how they can be suited to our Indian students of professional programmes.
3. To explore more innovative teaching learning tools for effective management education.

The GTU HR Skills Council named GTU CHRSES welcomes all eligible faculty to come forward and participate

Prepared by:
Dr. Trupti Almoula,
Ms. Krutika Raval



A Report on GTU SKILLS COUNCIL FOR MARKETING (GTU-SCM) by K K Parekh Institute of

Management, Amreli

ABOUT KKPIMS

KKPIMS is a place to pursue knowledge beyond traditional boundaries. You will encounter this attitude all around our campus, in education, in scholarship and in research.

KKPIMS started functioning in 2009. Located in Amreli (Gujarat), it is managed and run by Amreli Jilla Vidhya Sabha. The institute of management Studies is affiliated to Gujarat Technological University (GTU), Ahmedabad and approved by AICTE, New Delhi. It has modern facilities for its students.

An institute initiated to impart quality education to the youth while equipping them with knowledge and skills which would enable them to live their individual marks in the business world. KKPIMS institute for higher education strives to create a niche of talented managers who make meaningful contribution to professional society. Offering academic program post graduate levels, KKPIMS allows aspiring managers to get a comprehensive view of the business world.

ABOUT GTU- SKILL COUNCILS FOR MARKETING

Under the GTU's Initiative to establish Skill Council in all colleges for the all round development and employability of student, KKPIMS has established the Skill Council for Marketing. The Skill council at KKPIMS has following Members

- Ms. Ripal N Madhani (Faculty Coordinator)
Mo. No. 9429444837
Email Id: ripalmadhani@gmail.com
- Mr. Pritesh Kondhiya (Student, Semester III)
Mo No. 9979219550
Email Id: pritesh.kondhiya@gmail.com
- Mr Vijay Khasiya (Student, Semester I)
Mo. No. 9574391694
Email Id: khasiyavijay93@gmail.com

ACTIVITIES OF GTU- SKILL COUNCILS FOR MARKETING

The council has been established with the core objective of making students employable and developing student's skills which are required by the industry. To fulfil these objectives, KKPIMS has undertaken following activities.

Activities in Marketing Sectorial Area for Semester III:

To help students understand the real market scenario and to develop practical approach students of semester 3, marketing specialization were assigned following task/ assignment/ project or research work under the each of the three specialization subject. After the completion of the project work, each groups have given the presentation for the work done in their respective area.

Sectorial Area: Consumer Behaviour (CB)
A Research Report on Consumer Buying Behaviour for Gold
Product Personality and CB
Influence of Packaging on Consumer Perception
Market Segmentation, Targeting and Positioning
Sectorial Area: Integrated Marketing Communication (IMC)
A study on ethical, legal and social aspects of advertising and communication
A study on use and effectiveness of IMC tools for Automobile Industry
Use of technology to Improve Sales
Recent Trends of Internet Marketing and its efficiency
Sectorial Area: Sales and Distribution Management (SDM)
Definition & scope of logistics
Components of logistics,
Inventory & Warehouse Management
Need and Scope of Distribution Management
Transportation
Channel information systems
Marketing Channels strategy
Distribution Management in international markets

Industry Interaction:

To explore and understand the real product /services process and operations, industry/company visit were in a group of four students and were suppose to understand the management of that particular organization and were suppose to prepare a report on the same and then students gave presentation about the same in front of the class. The detail of this assignment is as follow.

Name of Industries/Companies Visited:

Narayan Spinning Mill
 Sahyog Jinning & Pressing Ltd.
 Uma Beverages
 Sheetal Ice Cream
 Krishna Plastic
 Safari
 Marwadi Sahres and Finance Pvt. Ltd.
 Vodafone

Group Discussion

A group discussion was organized between the students of semester one on the topic of Management as Science or Art on 11th August, 2014

IRDA

To enhance students employability KKPIMS organized a certificate course of IRDA in associate with Reliance Capital. Under this, students were given training by expert from reliance from 17th November to 22nd November. And then exam was conducted.



CARPE DIEM, IIM Calcutta

IIM Calcutta is organizing CARPE DIEM 2015 on 30th January to 1st February, under which there are many events and students will get chance to explore their talent and skill. KKPIMS has also taken it as an opportunity for students and is training students for this event. KKPIMS has made it compulsory for all the students.

Work Shop on Digital Marketing under CARPE DEIM, IIM Calcutta

Digital Marketing is today's emerging trend and understanding this KKPIMS has organized a work shop on Digital Marketing in collaboration with IIM Calcutta. For this, Mr Pramatesh Pal will be visiting KKPIMS on 2nd and 3rd January for workshop on Digital Marketing.

Pre-MBA (Student Upliftment Program)

As the institute is situated in the rural area, the students coming to the institute belong to the rural background. So the institute took one innovative step which is named as the student upliftment program. This program ran continuously during the month of July, 2013. This program was organized with the purpose of uplifting the standard of students and making them capable of meeting the expectation of a management program. Program was well planned and designed in a way so that students can learn without burden. This Program included various aspects of student development as follows:

- | | |
|----------------------------------|--|
| → Presentation Skills | → Listening Skills |
| → Improving English Fundamentals | → Communications Skills |
| → Case Study Analysis | → Vocabulary Improvement |
| → Group Discussion | → Role Plays |
| → Management with Movies | → Computing and Networking Skills |
| → Reading Skills | → Basic Knowledge of Various Subjects of MBA |

Guest Lecture

A Session on Switzerland Economy by Mr Jerry Mean

On 13th November, we invited Mr Jerry Mean from Switzerland to take a session and interact with students..

In this session he discussed about the culture, economy, business environment, some common laws, and cultural differences between India and Switzerland with students. This helped students understand international.





**A report on seminar held at SHRI M. H. KADAKIA INSTITUTE OF
MANAGEMENT AND COMPUTER STUDIES, ANKLESHWAR
on “E Commerce: Fundamental and application”
on 27th February, 2014**

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Now a days, each and every student must have the knowledge related to all fields whether related to specialization or not but to get the knowledge of technical field is necessary so in this context, our institute organized a seminar on E-commerce: Fundamental and application on 27th February, 2014 by Mr. Mayank Buch.



Mr. Mayank Buch is a head of Fortune Incorporations. He has delivered lots of speech on electronic and digital media. A formal introduction was done by Ms. Nazneen Shaikh under whose guidance seminar was organized under SDC.

Mr. Buch explained about Electronic Commerce and physical Commerce. He also made students aware about types and layers of e commerce that how it works. Mr. Buch also gave knowledge on digital phenomenon. Three tier technical models which is totally new concept for MBA students was explained to them in such a busy mode. He made students aware about Transformation of a compartmentalized Organization into Integrated Organization. He also gave information about the Architecture of Web-based E-Commerce System.



Students showed current scenario of E-commerce from totally different perspective. He not only educates students about basics and applications but eliminate myths to develop and implement that. Mr. Buch also gave a glance on cybercrime and precautions should be taken by them.

Prepared by:
Ms. Krishnaba Parmar
Dr. Ritesh Patel
Mr. Keyur Darji



Co-Curricular Activities

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Gujarat Technological University is formed to excel in technical education. In addition, it also wants to be a leader in various co-curricular activities like Cultural activities, Sports activities, Social activities, NCC, NSS etc for its students.

1. Youth Festival- Cultural activities

University had organized fourth Youth Festival “XITIJ 2014” in the month of September - October 2014. Total 23 events in five main categories were included in the Youth Festival as mentioned in the table.

Sr No	Category	Name of Event
1	Music	Classical Vocal Solo (Hindustani or Karnataki)
		Classical Instrumental Solo (Percussion)
		Classical Instrumental Solo (Non-Percussion)
		Light Vocal (Indian)
		Western Vocal (Solo)
		Group Song (Indian)
		Group Song (Western)
		Folk Orchestra
2	Dance	Folk/Tribal Dance
		Classical Dance (Indian)
3	Literature	Quiz
		Elocution
		Debate
4	Theatre	One act play
		Skits
		Mime
		Mimicry
5	Fine Arts	On the Spot Painting
		Collage
		Poster Making
		Rangoli
		Clay Modeling
		Cartooning
		Ad Making Competition

Youth Festival is organized at zonal level in the first stage i.e. Ahmedabad, Gandhinagar, Surat, VV Nagar & Rajkot Zone. Approximately 12,000 students participated in selection process & approximately 3200 - 3500 students participated in GTU Youth Festival XITIJ 2014. Total 125 colleges participated in the Fourth Youth Festival.

For Diploma Institutes:

1	Diploma Institutes - Inter zonal	Tolani Foundation Gandhidham Polytechnic, Adipur, Kutch	520	16	Unity in Diversity
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For Degree Institutes:

Sr. No	Level of Competition	Name of the Host Institute	No. of Participants	No. of Participating Institutes	Theme
1	Ahmedabad Zone	L D College of Engineering, Ahmedabad	459	23	Women Empowerment
2	Gandhinagar Zone	SPCE, Visnagar	656	22	Go Green – Environment Awareness
3	VV Nagar Zone	Babaria Institute of Technology, Varnama	678	18	Culture of Cultural City
4	Rajkot Zone	Marwadi Education Foundation Faculty of Engineering, Rajkot	655	24	Youth, Adventure & Innovation
5	Surat Zone	Sarvajanik College of Engineering & Technology, Surat	536	20	Mental Health Awareness
6	Inter-zonal	S R Patel College of Engineering & Technology, Unjha	991	73	Youth Empowerment

The top three winners in each event participated in Inter Zonal Youth Festival at S. R. Patel College of Engineering, Unjha. Each winner was awarded with certificate of merit & trophies. Each participant got certificate of participation. GTU has participated in 30th West Zone Inter University Youth Festival - 2014 from 19th November to 23rd December 2014, organised by Association of Indian Universities at Maharshi Dayanand University, Ajmer Rajasthan.





Following students have won competition at West Zone Inter University Youth Festival -2014 & students who secured top 2 places will represent GTU at All India Inter University National Youth festival from 12th February to 16th February 2015.

1	Debate <ul style="list-style-type: none"> • VARDAN PRASHAR • ZITIN BHAN 	Rank-1 st
2	Cartooning <ul style="list-style-type: none"> • MUKESH GOHIL 	Rank-1 st
3	Mimicry <ul style="list-style-type: none"> • ANKUR VED 	Rank-3 rd
4	Folk Dance <ul style="list-style-type: none"> • UTSAV SHAH • RONAK PATEL • HARDIK PATOLIYA • SHUBHAM SULTANI • AKSHAY BAFLIPARA • PALAK PANCHAL • MANSI MAKWANA • KRUPALI SOLANKI • GRISHMA KESARIYA • KHUSHBU THESIYA • VIVEK JANI 	Rank-3 rd
5	Quiz <ul style="list-style-type: none"> • AKASH VAGHELA • MEHUL JADAV • VIKRAM SHAHI 	Rank – 4 th

Board of Cultural Activities of GTU has invited eminent personalities like Shri Yogesh Gadhvi (Chairman-Gujarat Rajya Sangeet Natya Acadami), Shri Parthiv Gohil (National Singer), Shri Saumya Joshi (Actor, Director) as board member to improve quality of cultural activities.

2. Sports

Total 32 sports events were included in the 5th Sports Festival “SPIRIT 2014”. Sports Festival was organized at zonal level in the first stage i.e. Ahmedabad, Gandhinagar, Surat, V.V Nagar & Rajkot Zone. Approximately 40,000 students participated in selection process & more than 10000 students participated in these events. Top three winners in each event participated in Inter Zonal Sports Festival at various places. GTU has sent its team to participate in AIU West Zone Sports Meet at various Universities.

Sr No	Name of Sports Events	Sr No	Name of Sports Events
1	Badminton (B)	17	Table Tennis (B)
2	Badminton (G)	18	Table Tennis (G)
3	Basketball (B)	19	Chess
4	Basketball (G)	20	Cricket
5	Kabbadi (B)	21	Hockey (B)
6	Kabbadi (G)	22	Hockey (G)
7	Kho-Kho (B)	23	Wrestling (BG)
8	Kho-Kho (G)	24	Cross Country (BG)
9	Handball (B)	25	Air Rifle/ Pistol Shooting (BG)
10	Handball (G)	26	Swimming (BG)
11	Volleyball (B)	27	Athletics (BG)
12	Volleyball (G)	28	Judo (BG)
13	Tennis (B)	29	Yoga (BG)
14	Tennis (G)	30	Gymnastics
15	Football (B)	31	Weight Lifting, Power Lifting
16	Football (G)	32	Softball (BG)

Zone wise Participation in SPIRIT 2014

Ahmedabad Zone	-	2400
Gandhinagar Zone	-	2300
Rajkot Zone	-	2050
V V Nagar Zone	-	2100
Surat Zone	-	2250
Total	-	11,100

GTU has participated in West Zone - Inter University Competitions in most of the events. Cricket (M) team at **Barkatullah University, Bhopal** from **Nov 22 to Dec 6, 2014** & Volleyball (M) team at **M L Sukhadiya University, Udaipur** from **14th to 18th October 2014** had performed well in these tournaments

RockClimbing Course

49 Students have completed basic Rock Climbing Course at Junagarh and 178 Students have completed basic Rock Climbing Course at Mount Abu.

1. Social Services by Institutions

The aim of Social activities for the students is to inculcate concept of social responsibilities along with awareness of their own health. University has focussed on various social activities which directly or indirectly help the society & family members of GTU. Following activities has been taken up by the University.

a) Blood Donation Drives

Nation & State faces the deficiency of voluntary blood donation. Therefore, University has advised all the Institutes to carry out minimum one blood donation drive per semester or minimum two blood donation drives per year. Among all the institute of GTU, L D College of Engineering, Ahmedabad has collected highest numbers of blood donation & become number one in the area of blood donation in the year 2014. L D College of Engineering was awarded as an Outstanding Blood Donor Organization many times from year 2001 to till date by Indian Red Cross Society. Many other colleges had given good contribution in the area of Blood Donation in the year 2014. Indian Red Cross Society, Gujarat State has also appreciated the effort of Gujarat Technological University & L. D. College of Engineering for their contribution in the area of Blood Donation. In 2014, GTU & L. D. College of Engineering both were awarded for significant contribution in **BLOOD DONATION** on the occasion of World Blood Donor Day in function organized by Indian Red Cross Society - State in presence of Dr. R. Bennerji (IAS), Additional Chief Secretary, Health Department at Gandhinagar & Indian Red Cross Society - Ahmedabad in presence of Honorable Health Minister Shri Nitin Patel at Ahmedabad.



a) Thalassemia Awareness & Testing Program

GTU has implemented thalassemia awareness & testing program for the students. Basic purpose of this program is to ensure that in future students of GTU students should not suffer from thalassemia major in

future. GTU has effectively implemented the Thalassemia Awareness & Testing Program. This year Dr Capt C S Sanghvi, GTU was awarded for effective implementation of Thalassemia Awareness & Testing Program by Indian Red Cross Society. He had received this award from His Excellency Dr O. P. Kohliji, Governor of Gujarat & President of IRCS on 13th November 2014. Many colleges have contributed to implement Thalassemia Awareness & Testing Program in the year 2014.

Award for Effective Implementation of Thalassemia Awareness & Testing Program

a) Sainik Welfare Fund

7th December is celebrated as **Sainik Welfare Flag Day**. Fund is raised by the nation to help widow of Martyrs of Indian Armed forces. Collector has given the target to various institutions in this context. GTU had contributed very well in Sainik Welfare Fund & achieved the target given by the authority. Shree N.M. Gopani Polytechnic Institute, Ranpur had given the highest contribution in this fund raising effort. GTU had received award for achieving the target given by Collector, Ahmedabad in a year 2013-14.



4. National Service Scheme:

National Service Scheme (NSS) is one of the biggest youth organizations of the nation. It is connecting education campus with community through social service. This year 8000 additional strength of volunteers have been allotted to GTU by the Central & State Government. Total NSS volunteer strength of GTU becomes 11000 from this year. The University Advisory Committee is formed for the smooth function of the NSS activities. Following activities have been carried out by various institutes.

1. Tree plantation Drive

Various NSS Institutes have actively participated in Tree Plantation Drive.

2. Celebration of Important Days

- Republic Day Celebration
- Independence Day Celebration
- NSS Day
- Teacher's Day Celebration etc

3. Earthquake Awareness & Safety Programmed

4. Aids Awareness

5. Participation in Repair of Assets - Rang Amaizi

6. Run for Unity

7. Matrubhasha Day Celebration

8. International Women's Day Celebration

9. Project "Light for the Blind"

10. Live Webcasting of Election 2014

Collector Office, Ahmedabad handed the project of broadcasting the Loksabha Elections held on April 30, 2014 to the NSS unit of L.D. College of Engineering & GEC Gandhinagar. It was cordinated by NSS unit and live webcasting of election from the polling booth in Ahmedabad city has been carried out by NSS volunteers & students of GTU.

11. Participation in Indian Student's Parliament

12. NSS volunteers had participated in various state & national events

13. Bone Marrow Registration Campaign

GTU has taken up a unique project of Bone Marrow Registration Campaign. People suffering from Thalassemia Major & Blood Cancer need Bone Marrow transplant. Indian Red Cross Society had started a unique project called Bone Marrow Registration Campaign in the year 2014. GTU is participating in this campaign right from its inception in Gujarat. Effort has been appreciated by Honourable MP Shri Paresh Raval.



Achievements of NSS - INDIRA GANDHI NATIONAL AWARD TO NSS VOLUNTEER

Mr. Madhish Parikh, a NSS Student Volunteer of **L. D. College of Engineering - Gujarat Technological University**, has won prestigious **INDIRA GANDHI NATIONAL AWARD** of National Service Scheme (NSS). He received the award on 19th November 2014 at **RASHTRAPATI BHAVAN (PRESIDENT HOUSE), DELHI** from **PRESIDENT OF INDIA, His Excellency SHRI PRANAV MUKHERJI**.



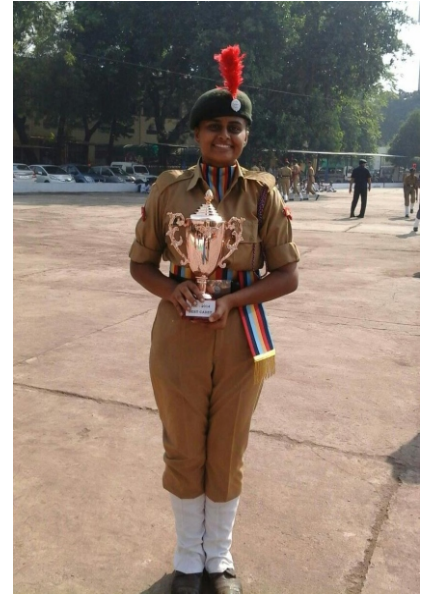
5. National Cadet Corps:

Three technical units are working with GTU having total intake of 600 cadets. One NCC cadets have participated in Republic Day Parade 2014 at New Delhi. Forty five institutes have shown interest to establish new NCC units at college level. NCC cadets had participated in various activities apart from regular training schedule & they are as follows

- Cadets offered Guard of Honour to Her Excellency Dr Kamala Benniwal in third convocation of GTU on January 2014
- Cadets offered Guard of Honour to Honourable Chief Minister Smt Anandiben Patel on 9th November 2014 Government MBA College at Maninagar
- Cadets participated in a Rally for Anti-Tobacco drive
- Seven cadets participated in Basic Leadership Camp
- Four cadets participated in Advanced Leadership Camp
- Six cadets participated in National Integration Camp
- Many cadets have participated in CATC camps

Achievements of NCC:

Leeneema Purohit, Second Year student of Sabar Institute of Technology, Tajpur is declared as the Best Cadet of Gujarat at the Pre-Republic Day Camp of NCC at Law Garden Gujarat 1 Girls Battalion. She will represent Gujarat in Republic Day Camp at Delhi.



Prepared by:
Capt. Dr. C. S. Sanghavi



4TH ANNUAL CONVOCATION GTU Cells

6 GTU Cells

- 6.1 Curriculum Development Cell (CDC)**
- 6.2 Women Development Cell (WDC)**
- 6.3 Anti-Ragging Cell (ARC)**
- 6.4 Right to Information Cell (RTIC)**
- 6.5 Schedule Cast & Schedule Tribe Cell (SCST Cell)**
- 6.6 Integrated Training and Placement Cell (I-TAPC)**
- 6.7 Student Grievance Cell**
- 6.8 International Students Cell (ISC)**
- 6.9 Research and Consultancy Services Cell (RCSC)**
- 6.10 Community Innovation & Co-Creation Centre (Ci-C3)**



Curriculum Development Cell (CDC)

4th
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CONVOCATION
Thursday, 22nd January, 2015

Since the inception till establishment of Gujarat Technological University, the Concept of Technological University, has passed through various processes, path, mechanism, projects and events for developing thought process, implementation strategy, and other issues in general to make the university one of the leading universities in the country. As usual, like two sides of a coin, each system has its own merits and demerits, as well as resistance for change rather than cooperation. Yet GTU has successfully created conducive environment in less time to reach individual and mass connected with technical and higher education.

Though established in 2007, GTU is slowly and steadily operating in different areas, parameters and concern with a very limited set up in terms of infrastructure and human resource covering a wide spectrum of technical and higher education across the state under the leadership of Prof M N Patel and latter Dr. Aksai Aggarwal. Both of them have acted with a vision to make GTU a World Class University. GTU plays a pro-active role in National and Global Knowledge Grid to make India Developed Country by 2020 with Innovation in Educational System.

Some of the Key Issues Related to these are:

- On one hand GTU has sustainable, transparent and well networked linkage with industry, and the academic / scientific community on the other.
- University need to have partnerships with leading Universities and industries globally.
- This shall take the form of sponsored chairs by industry, adjunct faculty from world class Universities and from reputed R&D organizations, product oriented R&D and technology incubation, continuing education programs.
- The university should provide an adequate platform for industry to conduct product training and internship for students, industrial attachment for faculty, and sabbatical in the industry and so on.
- A syllabus/ curricula to bridge the gap between academic institutions and industries through a demand driven module and to create employable and entrepreneurship minded engineers and professionals.

Diploma Curriculum Development Project (2012-2014)

Rationale:

Initially Diploma engineering system in Gujarat was managed and governed by the state technical education board, Government of Gujarat like other states nationwide. Some of the institutions get autonomous status in different state either through World Bank project or through the respective board of governance to achieve excellence in technical education through the state or central government policy. At present through 1225 polytechnics, the country produces about 2.65 lacs diploma engineers annually; which is a great and considerable number. The majority of them are governed by State TEB. Since last decade the industry institute interaction process and methodology is being deliberated at various levels and policy making bodies have given due thought to bridge this gap by adopting various modal and concepts to satisfy the needs and expectations of the industry/society/community from engineering pass outs. Different State Government has studied the model of community colleges in Canada and North American countries for revamping of diploma education system and also the models proposed by MHRD funded central institutions like NITTTR. TEB Gujarat has initiated a process of need base curriculum during 1999-2000 in this direction.

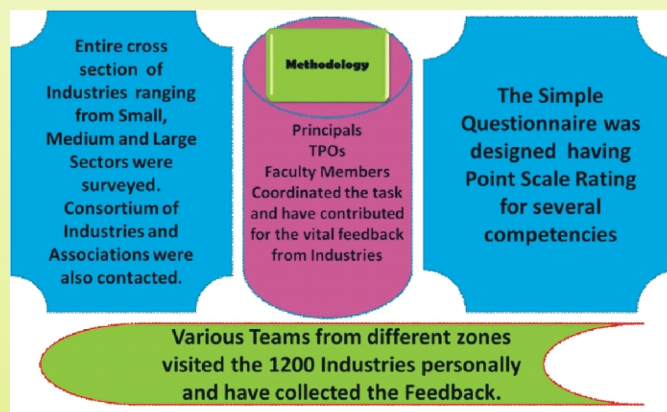


Methodology:

Gujarat Technological University with aim to fulfil the demands of community and industries have started the process of revamping and reconstructing the curriculum of Diploma Engineering through a unique and scientific approach meeting major challenges of the present era. The university, through a series of brain storming sessions, workshops, meetings and deliberation with education experts, principal and directors, policy makers, industry professionals, alumni, faculties and student mass followed a path leading to the development of demand driven and competency based curricula for all the 25 branches of diploma engineering. The project was initiated during February 2012 and will be over by December 2014 with an aim to provide detailed curricula of all the branches.

Action Plan Phase-I:

SR NO	ACTION	RESPONSIBILITY	DATE
1	Identification of team A. GTU B. GCCI C. NITTTR	GTU/GCCI/NITTTR	17 th Feb 2012
2	The finalization of questionnaire for Industrial survey	Core team of GTU/GCCI/NITTTR	18 th and 19 th Feb 2012 19 th Feb GCCI
3	List of industries for questionnaire	DEAN/INSTITUTE/ASSOCIATIONS	21 st Feb 2012
4	A pilot trial of questionnaire/validation	GCCI/GTU nodal/NITTTR	28 th Feb 2012
5	Collection of data from industry	GTU, INST. FACULTY, TPO	31 st March 2012
6	Analysis of data and identification of Competency	Core team of GTU/NITTTR	15 th & 16 th April 2012 16 th April 2012 GCCI
7	Validation of analysis DATA from Industry	NITTTR	16 th to 22 nd April 2012



Salient Features of the Revision:

- ❑ The Subjects at the core level were synchronized for Administrative and Implementation Simplicity.
- ❑ The common consensus was developed for offering core subjects.
- ❑ The Branch Specific approach was considered looking for the feedback of Industrial survey
- ❑ Basic & Applied Mathematics was consoled for the three groups.
- ❑ Applied Physics was consoled two groups.
- ❑ Applied Chemistry was consoled for three groups
- ❑ Workshop Practice and Computer fundamentals and applications were considered branch specific.
- ❑ Easy and Absorptive First and Second Semester Structure.
- ❑ Maximum 4-5 External Paper with maximum 4 Hard cosubjects Exam and one soft core subject like EoE, CPDP, etc.
- ❑ Weight age to Practical/Term Work modules
- ❑ Emphasis on Progressive Assessment.
- ❑ Externally Practice Exam 4-5-6 semester (4th Sem intradepartmental or third party evaluation)
- ❑ Involvement of Industry professionals for IDP-UDP and Elective subject practice evaluation.
- ❑ Provision of Faculty Guided Student Activities
- ❑ Branch Specific Diploma in Most offered Branches Through
 - One Elective Paper in Vth and Two Papers in VIth Semester
 - IDP-UDP from the same Elective Group

The Status:

University with help of NITTTTR faculties analyzed the industry survey, arrived with the basic/ core/application level needs of the industries completed the process of finalizing the full structure and Detail Curricula of all diploma engineering branches from 1 to 6 semesters with the support of core convener, course committee members from GTU affiliated institutions and CDC Coordinator.

- The present status of the project is Program Structure is designed for all the semester and uploaded on GTU Website.
- Content Detailing for 1 to 6 semesters for all courses are designed and uploaded on GTU website.
- Model question papers for all semester will be designed and uploaded to the GTU website to bring uniformity across the state.
- Industry validation of the curriculum for the overall structure of all branches and content detailing of the first to fourth semester done. Semester fifth and sixth will be complete soon.

The following table gives details of workshop and seminar organized till date as part of phase-I:

Workshop/Meeting Detail from January 2014 onwards				
Sr. No	Name of Workshop/Meeting	Date	No. of Participants	Purpose of Meeting/Workshop
1	Implementation Issues of 4 th Sem and planning of 5 th And 6 Semester.	1 st February, 2014	35	One day meeting on "Implementation Issues of 4 th Sem and planning of 5 th And 6 th Semester of New Diploma Engineering with Deans, Conveners & GTU Members
2	The finalization of the fifth semester subject content detailing	15 th -16 th February, 2014	70	Two day workshop with NITTTR Experts, Deans, Convener & Course Committee Members
3	The finalization of the fifth semester subject content detailing	1 st -2 nd March, 2014	84	Two day workshop with NITTTR Experts, Deans, Convener & Course Committee Members
4	Planning of 5 th and 6 th Semester.	15 th March, 2014	10	One day workshop with Convener, GTU Member & Course Committee Members of Transportation Branch
5	Finalize the draft of content detailing of the V th semester	11 th April, 2014	15	One day workshop with Convener & Course Committee Members of Architectural Assistantship branch
6	Looking to the urgent need for certain resolution and solution to the problem of 5 th semester.	25 th April, 2014	20	One day Meeting with Deans, NITTTR Expert, GTU Members and Convener
7	Finalize Equivalency of V th and VI th semester	14 th May, 2104	25	One day meeting for Equivalency of 5 th and 6 th semester of new diploma Engineering Curriculum
8	Finalize content detailing of 5 th semester of IT and Computer branch	17 th May, 2104	20	One day Meeting with branch conveners, course committee members to finalize the content detailing of 5 th sem
9	Finalize content detailing of 5 th semester of CDDM branch	20 th May, 2104	15	One day Meeting with branch convener, course committee members to finalize the content detailing of 5 th sem
10	Finalize content detailing of 5 th semester of Mechanical branch	20 th May & 21 st May, 2104	20	Two days' Workshop with branch convener, course committee members to finalize the content detailing of 5 th sem
11	Finalize content detailing of 5 th semester of Electrical branch	30 th May & 31 st May, 2104	20	Two days' Workshop with branch convener, course committee members to finalize the content detailing of 5 th sem

12	Finalize content detailing of 5 th semester of EC, IC and Transportation branches	30 th May, 2014	40	One day Workshop with branch conveners, course committee members to finalize the content detailing of 5 th sem
13	Finalize 6 th sem teaching scheme and draft of content detailing with deans and program convener	26 th August, 2014	25	One day meeting of Associate deans, NITTTR Co-ordinator, branch conveners and GTU members for finalizing the 6 th semester program structure and course committee members
14	Meeting for improving academic processes to help student achieve improvement and excellence of English and Maths subject	30th August, 2014	20	One day meeting of Associate deans, Branch conveners of Basic Maths, Advanced Mathematics (Group-1) and English as well course committee members of Basic Maths, Advanced Mathematics (Group-1) and course committee members of English
15	Finalization of draft of the 6 th semester subject content detailing of Mechanical and allied branches	6 th -7 th September, 2014	85	Two day workshop for “ Syllabus designing for subject of 6 th Semester diploma engineering with Associate deans, NITTTR Experts, Branch conveners, course committee members and GTU members
16	Finalization of draft of the 6 th semester subject content detailing of Electrical and allied branches	20 th – 21 st September, 2014	105	Two day workshop for “ Syllabus designing for subject of 6 th Semester diploma engineering with Associate deans, NITTTR Experts, Branch conveners, course committee members and GTU members
17	Finalization of draft of the 6 th semester Mechanical Branch	18 th October, 2014	25	One day Meeting with the convener and course committee members
18	Finalization Syllabus designs for all subjects of all branches of 6 th Semester of New Diploma Engineering	15 th -16 th November, 2014	165	Two day workshop for “ Syllabus designing for subject of 6 th Semester diploma engineering with Associate deans, NITTTR Experts, Branch conveners, course committee members and GTU members

Photographs of Workshop/Meeting/ Faculty development Programs:



Out Come and Experience of the current phase:

- ✓ Measurable improvement in the results of common failure subject like Maths, English, Science, Graphics, CPU...
- ✓ Students find the curricula interesting and are comfortable at the entry level.
- ✓ Concept of branch specific fundamental courses is appreciated by all
- ✓ Students are delighted with branch specific workshop practice and fully involved in practice oriented activities and minor projects.
- ✓ Practical and tutorials are well addressed by the faculties and well attended by the students due to continuous and end semester evaluation criteria
- ✓ Progressive learning scheme relieves student and faculties from burden.
- ✓ FDP and orientation workshops helped the faculties for uniform implementation strategy across the state.
- ✓ Industry validation is a key feature of the process and well appreciated by the professionals and congratulated GTU for innovative practice in curriculum revision.
- ✓ Feedback mechanism from institutions and experts created conducive environment during the implementation and evaluation stage.

Upcoming Events:

- Overall Validation of Diploma Engineering New Curriculum
- Faculty Development Program for the new subjects.
- Workshop for designing of Model Question Papers
- Workshop for Lab and Practical manual
- UDP/IDP workshop with Industry for Vth & VIth Semester.

The Group:

Dr. Akshai Aggarwal, Honorable Vice Chancellor

Prof. (Dr) Indrajit Patel, Chief Coordinator

Ms. Sheetal Shah, Mr. Dilip Ahir, Mr. Ashutosh Patel, Mr. Atul Shah Members Dean Council for Diploma Engineering

Ms. Kshama Shah (I/C CDC) and Ms. Urvi Thakkar CDC Coordinator from GTU

Dr S K Gupta, Director, NITTTR Ahmedabad Extension Centre

Prepared by:
Dr. Indrajit Patel
Prof. Almas Juneja
Prof. Kshama Shah
Ms. Urvi Thakkar



Women Development Cell

4th
ANNUAL
CONVOCATION
Thursday, 22nd January, 2015

The cell sees itself primarily as a participant in supporting women to realize their complete potential and capability of their active influence on society and its transformation. The University has set the platform for women where they are able to visualize beyond institutions, hierarchy, gender and caste and seek answers from within. The main objective of the Women Development Cell of Gujarat Technological University is creating a congenial and safe working environment for all the female students, women faculty and staff of the university and all affiliated colleges. The seminars and programs conducted at various GTU affiliated colleges under WDC focuses on lengthening the view towards understanding and developing an environment. WDC aims to provide a platform to the students to voice their thoughts and share their experiences.

The cell is empowered to monitor the activities and address the issues concerning women at institutional women development cell. The cell under leadership of the chairperson Prof. Usha Nilkanthan and active pivotal members Prof. Rekha Nair & Prof. Kinjal Dave encourage the institutes to organize Self-Defense Programs for women and Awareness Programs of services provided by city police. The WDC of many colleges have celebrated **Women Safety Security Day** on 9th October, 2014 and organized Hallabol event with the help of Ahmedabad Police Heart.

GTU has organized **Self Defense Program for Women** on 13th October, 2014 with the support of Surksha Setu Society for all female students, faculties and staff at the conference hall, GTU, Chandkheda Campus. Dr. Kanan Desai (Assistance Commissioner of Police, Women Cell, and Crime branch) was the chief guest of the program. Moreover leaflets for police helpline 1091 for women and various laws against women crime were distributed to all participants by Surksha Setu Society and Ahmedabad Police heart.



Dr. G.P. Vadodariya, Ex I/C registrar delivered a key note address and emphasized on importance of self-defense in his speech. He said every females must be aware about the laws and services which have been designed for Women by Indian government so they can take immediate action without being afraid.

Dr. Kanan Desai, Assistance Commissioner of Police, Women Cell, Crime branch, Ahmedabad has delivered very beneficial talk. She explained the idea behind the movement by Surksha Setu Society and Police heart for the self-defense program. She delivered talk on various laws against women crime and also explained about how one can defend herself in various situation.



Expert talk by Dr. Kanan,
ACP-Womencell, Ahmedabad Police



Address by Mrs Usha Nilkanthan

Mr. Jaldeep Mundhava who is coordinating with Surksha Setu Society gave a self-defense training to all participants and explained how one should react in different situations. Different self-defense techniques have been demonstrated in person as well as in video presentation



Demonstration of self-defense techniques
by Mr. Jaldeep Mundhava



Hands on session of
Self-defense Techniques

WDC looks forward to join hands with the institutes to organize more workshops, field visits, camps, activities to promote the academic and individual growth of female students and to motivate them for entrepreneurship to emerge as competent professionals with embodiment of human ethics and enhanced confidence level.

The various affiliated colleges of GTU has conducted Hallabhol event on Women Safety Security Day dated on 9th October, 2014 with the help of Ahmedabad Police heart and Surksha Setu Society. The event was held simultaneously at all the institutes across Ahmedabad and Gandhinagar. The objective was to create awareness of Women Safety Security and 1091 woman safety line services.

Hallabol Event at Gandhinagar Institute of Technology



Hallabol event by Hasaba College of Engineering and Technology, Sidhpur



Hansaba College of Engineering and Technology has also organized Women Empowerment Program on 8th August, 2014. The focus of the program was on Gender Equality & Elimination of violence against women.

WDC cell of Gujarat Technological University has also published circular for student squad to evade eve-teasing (Ref.No.Ref: GTU/WDC/CTE/Student Squad/2014/8084 dated 25th November, 2014) as directed by our honorable Chief Minister.

Prepared by:
Prof. Usha Nilkhathan
Prof. Kinjal Dave



Anti Ragging Cell

4th
ANNUAL
CONVOCATION
Thursday, 22nd January, 2015

As per the Direction of the Supreme Court the Regulation is passed by the U.G.C named as U.G.C Regulations on curbing the menace of ragging in Higher Educational Institutions 2009. As per the U.G.C New Delhi Guideline Circular NoF-1-16/2007(CRP-2) dated 17/06/2009 all the Higher Educational Institutions have to follow this Guideline.

Gujarat Technological University has constituted a Monitoring Cell as per this guideline wide Circular No.GTU/Academic/Anti-Ragging/2013/7096 Dt.22/07/2013

Sr. No	Name	Designation	Position held in Monitoring Cell	Contact Details
1	Dr.M.N.Patel	Ex Director of G.T.U and Now Vice Chancellor Gujarat University	Chairman	9825785202 mnp_gec@yahoo.com
2	Dr.S.O.Junare	Dean, Management	Member, Faculty Representative	9099063369 Junare.so@gmail.com
3	Mr.Ramesh Merja	Additional Collector	Member, Civil Admin	9909501501 079-23237778 rameshmerja@gmail.com
4	Dr.Ramsinh .H.Rajput	Chief Accounts Officer	Member, Non –Teaching Staff	9909980046 079-23267596 cao@gtu.edu.in
5	Mr.U.V.Shah	-----	Member, Parents Representative	9426286895 079-26302481 er_utpalshah@rediffmail.com
6	Prof.Usha Neelkantham	Chairman Women Dev. Cell	Member	9426329897 023632-241960 u_neel06@yahoo.com
7	Prof. C.S.Sanghvi	Member Secretary Sports & Culture	Member	079-26306752 cssanghvi@rediffmail.com
8	Class Representative year on year	-----	Member, Student Representative (First year)	-----
9	Class Representative year on year	-----	Member, Student Representative (Senior/Firstyear)	-----

❖ **OBJECTIVE:**

To prohibit any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing or handling with rudeness to a fresher or any other student, or indulging in rowdy or indiscipline activities by any student or students which cause or is likely to cause annoyance, hardship or psychological harm or to raise fear or apprehension thereof in any fresher or any other student or asking any student to do any act which such student will not in ordinary case do and which lead to torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student, with or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any other student ; and thereby, to eliminate ragging in all its forms from universities, deemed universities and other higher educational institutions in the country by prohibiting it under these Regulations, preventing its occurrence and punishing those who indulge in ragging as provided for in these Regulations and the appropriate law in force.

G.T.U Anti Ragging Cell has informed all the affiliated colleges/institutions to follow the guidelines of U.G. About Anti Ragging vide Circular No.GTU/Academic/AR_Affidavit/2013/8212 dated of 27/08/2013. This circular mentions that this guideline is mandatory for every student and his/her parents to submit an Anti-Ragging Affidavit at the time of first admission in the college/institutions.

G.T.U Anti Ragging Cell has redressed all the complaints now no more complaints are pending.

Prepared by:
Dr.Ramsinh Rajput



R.T.I. Cell

4th
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CONVOCATION
Thursday, 22nd January, 2015



The Right to Information Act, 2005 is an Act of the Parliament of India which was passed on 15th June, 2005 and came into force on 12th October, 2005. Under this Act any citizen may request information from a Public Authority. Gujarat Technological University is a Public Authority. The University provides information through uploading the circulars on its website so that people can directly access them. The University has RTI Cell to deal with the applications received under the Right to Information Act, 2005. RTI Cell works with the objective to bring transparency in the University.

GENERAL RTI

RTI Cell receives applications regarding various sections and record them in prescribed Register which is open for all. Then RTI Cell Co-ordinates and collects various data from different sections of the university and provides information to the applicants. The Cell takes appropriate measures to provide the information within prescribed time limit of 48 hours or 30 days.

RTI Cell collects the information from various sections such as academic, affiliation, endorsement, accounts, store, exam, Ph.D., etc. Some information sought by applicants is related with affiliated colleges, these applications are transferred to related colleges and the information is provided by them.

EXAM RTI

Most of the applications are related to exam section, about inspection of answer sheets. RTI Cell keeps record of all the exam applications received with necessary details. It sends the data to exam section for unique code. After getting the receipt of the code, it sends them to basement section for pulling out of answer sheets. The Cell sends letters to the applicant to remain present on particular date and time to view his/her answer sheet.



The Cell has developed the new system for showing answer sheet to the applicants. It allows inspection of answer sheet to the students by calling about 100 students at a time at the University Head Quarter. Even with the limited resources and staff RTI Cell provides inspection very successfully.

NUMBER OF RTI APPLICATIONS, FIRST APPEAL AND SECOND APPEALS

The highest number of applications received at the University are of the exam section regarding answer sheet viewing. These applications come after the declaration of the result. The Cell has successfully given the inspection of winter exam 2013 and the Summer Exam 2014. The Cell has given the inspection of 1552 answer sheets of 742 students in five different phases of Summer Exam, 2014 by informing them through SMS.

The important figures about applications and First appeals in the year 2014 are as under:

Sr. No.	Description	Figure
1	Applications answered	1701
2.	First appeals Deposited by Appellate Authority (Vice - Chancellor)	54
3.	Complied to the Second Appeal to Gujarat Information Commission, Gandhinagar	05

(Note: The above figures are from 01-01-2014 to 15-12-2014)

RTI FIRST APPEAL (Appellate Authority is Hon'ble Vice-Chancellor)

The Cell receives first appeal from the applicants, if they are not satisfied with the information given by the Public Information Officer. It records them in Appeal Register, gives Appeal number, and obtains date and time from the Appellate Authority. It communicates date, time and venue for the hearing of the First Appeal to the Appellants. It keeps hearing before the First Appellate Authority. This is Quasi-Judicial process. So the order of appeal is prepared in legal language.

RTI SECOND APPEAL

If the applicant is not satisfied with the order of the First Appellate Authority, He/she may apply to the Gujarat Information Commission, Gandhinagar for the second appeal. The Cell sends the report whenever asked by the Commission and after receiving the report, if Information Commissioner is not satisfied with our report, he fixes the date for hearing and inform PIO and Appellate Authority to remain present before him. In the Second appeal, all the satisfactory information or reports have been given by RTI Cell to the Gujarat Information Commission and the Chief Information Commissioner and State Information Commissioners have also indicated satisfaction with the answers given by the University. Hence, we are proud that Gujarat Information Commission, Gandhinagar has not imposed any penalty in any case of the second appeal.

GTU RTI CELL OFFICERS

RTI Cell	Name	Designation	Contact Details	E-mail Address
Assistant Public Information Officer (APIO)	Dr. R. H. Rajput	Chief Accounts Officer	Phone – 079 - 23267596/ 9909980046	cao@gtu.edu.in
Public Information Officer (PIO)	Mr. J. C. Lilani	I/C Registrar	Phone – 079 - 23267579/605/ 9909989779	registrar@gtu.ac.in
Appellate Authority	Dr.A.K. Aggarwal	Vice Chancellor	Phone – 079 - 23267527 Fax -079- 23267564	vc@gtu.ac.in

COMPLIANCE

RTI Cell initiated the compliance of quarterly report to the Gujarat Information Commission, Gandhinagar in the prescribed format given on the website of Information Commission. RTI Cell has submitted three quarterly reports till date of this financial year.e.2014-15.

RTI SEMINAR

RTI Cell organized one day RTI Training Seminar at Gujarat Technological University with the support of Regional Training Centre, Sardar Patel Institute of Public Administration (SPIPA) Ahmedabad, to deal with RTI applications effectively and efficiently by all the sections of the University on 08/02/2014.

Mrs. Shabana Kureshi, Under Secretary and Dy. Director of Regional Training Centre (RTC), SPIPA, Ahmedabad briefed about Regional Training Centre and its activities and provided support expenses and return materials to all the participants.



Dr. A. K. Ganatra, well-known speaker on RTI Act explained the basic terminologies such as information, record, public authority etc. Dr. P. J. Derasari, the second RTI speaker explained the importance and calculation of 30 days' time limit in dealing with RTI applications. He explained about Gujarat Right to Information Rules, 2010. He had shown various forms, formats, fees under these rules graphically. He described about the records to be kept under RTI Act.



The objective of the seminar was to acquaint all the staff members of the University about the important provisions of RTI Act, 2005. There were around 130 participants including all permanent employees, Dy Directors, OSDs, Associate Professor, Assistant Professors, Research Associates, Administrative Assistants, Office Assistants, Research Assistants, PA to Registrar etc have actively participated in this seminar.

RTI cell has also organized other Three days' workshop on "Office Procedure and Letter Writing" on 16-18 July, 2014 for staff of G.T.U. with the help of RTC, SPIPA Ahmedabad. There were well-known speakers such as Mr. R. V. Suthar, Mr. B. R. Thakor, Mr. H. H. Barot, Mr. C. P. Zinzuvadiaya, Mr. Manish Shah, etc. Staff of G.T.U Dr. R.H. Rajput, CAO, Mr. Rajesh Ramani, Assistant Professor, Amit Prajapati, Admin Assistant & Steffy Singh, Office Assistant have successfully co-ordinated the workshop.

Prepared by:
Dr. Ramsinh Rajput



SC/ST Cell

4th
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Gujarat Technological University has constituted SC/ST cell in the year 2013 vide Circular No.GTU/Academic/SC-ST Cell/2013/8173 dated 29-08-2013. The guidelines of University Grants Commission, New Delhi has circulate vide RefNo.f 1-5/2006(S.T.C) dated 25-08-2006.

In the first instance, the cell consist of five members and one Chairman. GTU has re-constituted SC-ST cell under the chairmanship of Dr A.M. Prabhakar of Vishwakarma Government Engineering College, Chandkheda vide circular No.GTU/SCST cell/2013/10144. Dated 26-11-2013.

Name of the chairman and committee are as under:

Sr.No	Name	Designation	Position held in SC -ST Cell
1	Dr.A.M.Prabhakar	Associate Professor ,V.G.E.C, Ahmedabad	Chairman
2	Dr.Ramsinh H.Rajput	Chief Accounts Officer, G .T.U	Liaison officer, G.T.U Representative
3	Mr.M.N.Parmar	Account Officer Grade -I, G.T.U	Coordinator(SC -ST Cell)
4	Mr. C.K.Makwana	AP V.G.E.C, Ahmedabad	Member(SC)
5	Mr. M.B.Chaudhary	Professor, G.E.C, Gandhinagar	Member(ST)
6	Dr.C.S.Sanghavi	AP,L.D.C.E, Ahmedabad	Member -open (Male)
7	Mrs.Hiteshi Diwanji	A P,L.D.C.E, Ahmedabad	Member -open (F emale)
8	Mrs.Trupti Trivedi	Deputy Accountant,G.T.U	Member (PH) - (Female)

Admission Committee for Professional Courses (A.C.P.C) and Diploma Courses Admission Committee (D.C.A.E) Ahmedabad has given the admission concern with G.T.U during Academic Year 2014-15. The information is given below.

No of students admitted through ACPC and DCAC and accordingly enrolled by GTU during academic year 2014-2015 (category wise) is as below.

Diploma Courses

Sr.No	Course	Year	General	SC	ST	SEBC	PH
1	Diploma Engineering	2014	21313	3813	3023	14261	85

Under-Graduate

Sr.No.	Course	Year	General	SC	ST	SEBC	PH
1	BE	2014	33421	2682	2504	13645	12
2	B.Pharm	2014	1752	110	85	354	8
3	B.Arch	2014	428	4	2	96	-
4	B.H.M.C.T	2014	53	-	-	-	-

Post Graduate

Sr.No.	Course	Year	General	SC	ST	SEBC	PH	DS	Sponsored
1	ME	2014	2015	175	138	590	18	-	
2	M.Pharm	2014	639	37	39	103	1	-	
3	M.B.A	2014	3665	269	54	755	4	-	
4	M.C.A 1 Year	2014	2242	182	55	688	11	-	
5	M.C.A Lateral Entry	2014	132	-	-	-	-	-	

G.T.U has given instruction to affiliated Colleges for constituting SC-ST cell in all affiliated College/Institute as per guideline of UGC dated 14-08-2013. This information sent vide circular No. GTU SC-ST cell/2013 dated 24-11-2013 for implementation of reservation policy and sought for information thereof.

Prepared by:
Dr.Ramsinh Rajput



INTEGRATED TRAINING AND PLACEMENT CELL (I-TAP)

4th
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- We had organized 2 Days faculty training program on “NuMicro ARM Cortex-M0 and its Applications” of Nuvoton Technologies Corporation at BISAG- Gandhinagar.



- Organized felicitation of final year Engineering students as toppers in Communication skills in English in March 2014 with Training workshop, Felicitation of students and Job Fair where above 300 students were participated.



- HCL Services Limited (A Subsidiary of HCL Info systems Limited) POOLED CAMPUS DRIVE FOR DIPLOMA ENGINEERING - 2014 BATCH ONLY for three zones, Rajkot, Surat and Ahmedabad.
- Organized centralized campus drive of Alembic Ltd - Opportunity for B. Pharmacy students 2013 & 2014 batch in June 2014.
- Organized two different Oracle 5 Days' faculty training program on (1) Java Fundamentals & Java Programming and (2) Database Design and Programming with SQL for the engineering faculties in June 2014.



- TCS had launched Codevita 2014 (season 3) on 14th July 2014 for all engineering and science graduates across India (there are 10+ other countries participating in codevita this season) for that inform or aware students and their TPOs for the participation.
- Organized first centralized Pharmacy Job Fair at Gujarat Technological University in April 2014. 27 companies participated as a recruiter.
- Organized 2nd centralized Placement fair for Pharmacy in July 2014 where 31 companies were participated as recruiter.





- Organized Late Shree Dewang Mehta IT Awards 2014 for the final year engineering students for the best projects and felicitation of toppers of all the year.



- Organized Two days faculty training program of Nuvoton Technologies Corporation on “NuMicro ARM Cortex-M0 and its Applications” for the faculties of Electronics & Communication Engineering.



- Organized One Day Green foot workshop of Oracle for the students in September 2014.
- Organized two different Oracle 5 Days' faculty training program on (1) Java Fundamentals & Java Programming and (2) Database Design and Programming with SQL for the engineering faculties in November & December 2014.

Prepared by:
Ms. Kinjal Joshi



Student Grievance cell

In order to ensure transparency by Technical Institutions imparting technical education, in admissions and with Paramount Objective of Preventing unfair practices and to provide a mechanism to innocent students for redressal of their grievances, in exercise of the power conferred under Clause 1 of Section 23 of the All India Council for Technical Education, Act, 1987 (52 of 1987), Gujarat Technological University a Grievance Redressal Committee has been constituted to address the Grievances (If any) of aggrieved students and/or persons related to GTU affiliated Colleges/Institutions. The aggrieved students, parents or any person, after registering any complaint at college/Institute level Committee (**First Grievance Redressal Committee**) and being not satisfied with the redress, may make an application to the concern registry office at Gujarat Technological University (**Second level Grievance Redressal Committee**), seeking redress of grievance related to any college affiliated to Gujarat Technological University.

Grievance Redressal Mechanism for the Institutes affiliated to Gujarat Technological University

[Ref: Notification under Government of India's extraordinary Gazette (part-III, Section-4), dated 25th May, 2012]

	Reporting of Grievance	Whom to Report	Time frame for Disposal	Report To	Check/Control Point
Step I	<ul style="list-style-type: none"> Written Grievance by the Students Enter in the Register with inward number and date 	<ul style="list-style-type: none"> Grievance to be submitted to Coordinator of course at the Institute 	Maximum ten days for decision	If need be report to the Director of the Institute	Director / Principal / HOD of the Institute to check the Grievance Register every week
Step II	<ul style="list-style-type: none"> Hearing of the Grievance/Getting to know the problem 	<ul style="list-style-type: none"> If required refer to Grievance Redressal (First level) Committee at college level Hearing and taking decision 	<ul style="list-style-type: none"> If committee is Formed If not, then additional 2 days for the committee Maximum of ten days 	Committee is to submit report to the Director	
Step III	<ul style="list-style-type: none"> Communicating the decision to the student in writing and getting the 	<ul style="list-style-type: none"> The decision of the committee is to be communicated to the Dean/HOD of the Institute 	Within five working days	Report to the Director of Institute	

	signature of the student in office copy within three working days after decision				
Step IV	<ul style="list-style-type: none"> If student is not satisfied he/she has a right to appeal in writing against the decision of the institute's Grievance Committee 	The appeal can be sent to University's Grievance Redressal(Second Level)Committee (Grievance Redressal form is filled online on GTU website)	Appeal should be sent by student within a week of the said decision to University's Grievance – Redressal Committee	<ul style="list-style-type: none"> The Grievance –Redressal committee will try to resolve the complaint within a week from the date of receipt of complaint. The decision will be communicated by committee to the Students within 10 days 	Chairman of the Grievance -Redressal Committee will look into the matter and proper enquiry
Step V	<ul style="list-style-type: none"> If student is not satisfied with the justice, he/she has a right to appeal in writing against the decision of the University's Grievance Committee. 	The appeal can be sent to OMBUSMAN at university office.	<ul style="list-style-type: none"> Appeal to Ombudsman should be sent by complaint within two weeks of the Grievance Redressal Committee The Ombudsman will study and make appropriate enquiry and give decision within one 	The decision will be communicated to the complaint and opponent party and the Director of the concerned institute.	Report to the Hon. Vice Chancellor of the University

As per the direction of the Hon. Vice Chancellor, all the directors/Principals of affiliating institutes are also informed that as per clause 3(2) of the Notification, **Every Technical Institution has to constitute the Grievance Redressal (First Level) Committee for Redressal of Students' Grievance at Institute level.** If the grievance of the students are not resolved within time as mentioned in Guideline of Grievance Redressal Mechanism, the aggrieved students or parents may make an application to the Chairman, Zonal Grievance Redressal Committee at Gujarat Technological University, seeking redress of grievance related to any college affiliated to Gujarat Technological University. The Zonal level Grievance Redressal Committee set up by the university will make proper enquiry of the case and try to resolve the grievance within a week time. Even, if the grievance are not resolved satisfactorily by the Zonal Grievance Redressal Committee set up by the university, then the complaint may be filed for third appeal to the OMBUDSMAN at University Level.

Prepared by:
Ms. Pina Bhatt



During the first academic year of GTU's International Students (IS), 140 International students from more than 20 different countries like, Bangladesh, Bhutan, Nepal, Sri-Lanka, Nigeria, Congo, Uganda, Vietnam, Mauritius & Afghanistan have been enrolled at Gujarat Technological University. While, keeping its door open for the second year of its inception, GTU is fortunate to have 66 more International Students from these countries and other 12 different countries out of which many students have also enrolled themselves as full time students of GTU during academic year 2014-15. These all are the sponsored students by Indian Council for Cultural Relations (ICCR), Ministry of External Affairs, Government of India, through different scholarship schemes.

'The Buddy and The Host Family' Project:

Once the healthy establishment of the GTU International Students Cell (ISC), it has decided to undertake the New Project of '**The Buddy and The Host Family**' to activate the smooth and comfortable academic as well as social founding of all International Students (IS) within the Indian Holly Culture. The Buddy and the Host Family Project is all about to extend best of the facilities mystically and culturally through our rites & rituals, to the International Students and continue the tradition of "Atithi Devo Bhavah". In this Project one Local Studious Student, within the same Institute, is assigned as **The Buddy** (Close friend) for each International Student of GTU. This Buddy will support him/her as & when required to excel academically, culturally and socially. Beyond the Buddy, one local Family is identified and allotted as **The Host Family**, for each International Student of GTU, who will take care of him / her just like their family member.

In order to make sure their complete establishment academically as well as domestic setup take place smoothly and efficiently, the Institute mentors identify and allocate The Buddy and The Host Family in advance during their initial joining duration at their respective institute.

Words from Dr. Singh as host family head:

It is our pleasure to be the Host family for Kinsuk Sarker and Arittra Gosh, the international students from Bangladesh studying at Shri Sarvajanic Pharmacy College, Mehsana. We really appreciate this initiative by GTU in order to make sure that the international students are made comfortable in the city where they are studying and can adjust with its culture.

Both Kinsuk and Arittra are very polite, sincere and hard working students which is also reflected in their Semester I grades. I think they have now adjusted well with the college schedule, their accommodation and the food as well. We invite Kinsuk and Arittra at our place quite often and since they stay very close to our residence, both my wife and myself go and visit them at their place of stay.



International Students from Bangladesh Mr. Kinsuk Sarker and Mr. Arittra Gosh (Sem II B.Pharm Students) with their Host Family : Dr. Indermeet Singh Anand, Mrs. Tujender Anand, and their kids

GTU's IS participating in Sports & Co-curricular Activities:

Beyond the special project called the Buddy and the host family, by involving in various sports and cultural curricular activities as a part of their academic and co-curricular program, GTU's International Students have proved themselves as the established and acquainted full time students this Indian International University. The International Students have proved as the leading team in the Football and singing competitions. Beyond these, they also participated and contributed in debate competition, presentation, conferences, youth festivals, blood donation camps, etc. activities at their Institute as well as state level.



GTU International Students participating in Sports and Cultural Activities at VVP Engineering College, Rajkot.



Mr. Bashir Ahmadi along with the students of Hon. Chief Minister (Then) Shri Narendrabhai Modi (now PM of India) at Mahatma Mandir Gandhinagar and other International Students of L.M. Pharmacy College along with their Indian classmats.

International Students' Feedbacks

Clive Dadida, Zimbabwe



Being a student at Shri Sarvajanik Pharmacy College is one of the best things that have ever happened to me in my academic endeavour. I am greatly humbled by our faculty members as well as the non-teaching staff, as they work to the best of their abilities so as to nurture me daily in my social and academic pursuits. I can proudly say, I am discovering my true potential in the field of pharmacy. Even though I am far away from my native country, I cherish each and every moment spend at this wonderful place as I am surrounded by a loving and caring community as well as benevolent students. I look forward to continue my course of study at this college, creating memories and making history, as SSPC is giving me wings to fly.

Paul Dhliwayo, Zimbabwe

I consider myself fortunate to be part of this great institution. Shri Sarvajanik Pharmacy College has in many ways than one, helped me broaden my shoulders in academics and encouraged my personal development. I can honestly say that I have great respect and admiration for the lectures and for the conducive environment of higher learning they strive to provide day and night. Since I am an international student thousands of miles away from home, home-sickness is unavoidable but being in an environment of people that really cares makes a huge difference. Mehsana has quickly become my home away from home, I couldn't have asked for a better learning experience.



KinsukSarker, Bangladesh



From the very first day, I am passing very good and enjoyable journey in SSPC. When I first came here, I was quite confused that what is going to be happened in next 4 year in my life. But with my great pleasure, now I can say that I am in the best pharmacy college in Gujarat. All the faculties are really helpful to all students and all the classes which are taken by them is fully in English. We have the best laboratory facilities for pharmacy education. Our college is not only provide education but also organize sports week and cultural function like extra-curricular activities. As an international student of GTU, I can say that I am now in the best pharmacy college in India. I wish all the very best to SSPC in future.

Review Meeting by ISA:

After successful execution of the Buddy & Host Family Project and feedback of IS about the same, Dr. Mitesh Dadhania, Dy. Director & International Students Advisor (ISA) had visited the allocated Institutes and interacted with the IS of the allocated institute. It is observed by him during his visit that the project has created the harmony and cosy atmosphere among them as far as their academic as well as domestic well beings are concerned.



During a formal meeting with IS, Dr. Mitesh has confirmed that they have been well acquainted with the Host Families, the Buddy as well as other neighboring vicinity. They have also conveyed their idea about sharing the experience of all other IS allocated and studying at GTU's other affiliated institutes in its periphery. They have also suggested to organize the cross cultural exchange program among all IS of GTU arrived from more than 30 varied countries.

Prepared by:
Dr. Mitesh Dadhania



Research and Consultancy Services (RCSC)

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Research and Consultancy Services Cell (RCSC) of Gujarat Technological University (GTU) is the Knowledge Partner.

With an objective of interaction between practitioners from business/industry and GTU academicians to synergies in practice & theory for the benefit of society, GTU and business/industry/Government organization; RCSC is setup at GTU.

RCSC strives to dig the knowledge and harness it to bring out products and services beneficial to business, industry, public bodies and society at large. Hence GTU can provide consultancy services to large and complex consultancy projects for industries and business as well as for government organizations.

Teaching is essentially a distribution of existing knowledge to society. However all leading American Universities as well as Indian IITs and IIMs place emphasis on research and consultancy of academics so as to produce expertise and experience which can be beneficial to students. A proper balance between teaching and research consultancy would augment well the level of the University.

Areas of Research / Consultancy

Urban Planning Services	Engineering Services	Techno-Management Service
<ul style="list-style-type: none"> ● Land-use Planning ● Urban Infrastructure - Water Supply, Sanitation and Transportation ● Environment related studies/Investigation ● Slum Up gradation and Pro poor housing ● Real Estate Planning and Management 	<ul style="list-style-type: none"> ● Preparation of feasibility / Project Reports ● Site Surveying / Soil testing ● Economic/Financial Evaluation of Project ● Project management consultancy ● Material Testing ● Bill checking and certifying 	<ul style="list-style-type: none"> ● Capacity Building and HRD training ● Workshops and Seminars ● Project report, Market Survey ● Technical Reports/Evaluation ● Financial restructure of ULBs ● Bid Process Management ● Due-diligence of selected contractors / Vendors

Present Assignment on capacity building

1. Affordable Housing Mission, Government Of Gujarat
2. Department of Atomic Energy, Government Of India

Prepared by:
Dr. Rajnikant S. Patel



Community Innovation & Co-Creation Centre (Ci-C3)

Website: <http://cic3.gtu.ac.in>

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On 1st May 2013, a common laboratory, where students and alumni can work together to develop their own products, was established in a 1,500 sq.ft. of space adjoining S4-C3 at GTU's ACPC campus in Ahmedabad; The Lab is available after-hours and on holidays; It has a stream of mentors and geeks from the local community; The Lab is called Community-innovation-Co-Creation Center (C-i-C3); C-i-C3 is designed to have facilities like the tinkering lab of Cornell University and the Fab lab of MIT.

C-i-C3 is a part of the Sankul movement. Each C-i-C3 is responsible for supporting the activities under the following areas:

1. S4 Extension Centers
2. Hardware Design Innovation Co-Creation Center
3. Open Source Technology Clubs
4. Mobile Technologies Clubs

As the Lab attracts progressively greater usage by the students, the University will add modern facilities like 3 D printers, 3 D scanners etc. for fabrication of prototypes by students

GTU proposes to establish C-i-C3s during 2014-15 in ten of the Sankuls. It proposes to establish 15 more C-i-C3 in 2015-16 so that each one of the 25 Sankuls will have one. This will provide facilities for students or alumni to have facilities for developing a product all across the State.

Each C-i-C3 will be associated with a Technology Skill Development Center. For the first five C-i-C3s, the industries department of Government of Gujarat has, in principle, agreed to provide financial help for Skill Development Center in the area of Telecommunication Technologies.

A Sankul's C-i-C3 may be set up in those Colleges, which are prepared to provide space and residential facilities for the employee. In addition, hostel facilities for students from other colleges will be required. The college may be located in an area, which is easily accessible from major population centre. The College should have a working hostel for boys and girls and it should be possible for the centre to work after office hours, since the students will work on their projects after their classes. For up to 30 students, the College should agree to host them in the hostels. `Since the inception of C-i-C3 dedicated team of University and team from Techpedia have steered the movement to succeed from scratch while developing a distributed and frugal innovation ecosystem. Techpedia has been extending voluntary support to this one of its kind initiative in India since its inception. At C-i-C3 Ahmedabad, Dr. Mihir Shah (VGEC), Mr. Sohail Patel (Jayso Labs), Mr. Ishan Patel and Prof. Utkarsh Patel (SOCET) are taking various initiatives for its development with support from Mr. Naresh Jadeja, Prof. Darshan Patel and Mr. Mihir Makwana of GTU. You can Visit C-i-C3 on <http://cic3.gtu.ac.in/>

List of Activities organized by C-i-C3

- Let's Fly "Workshop on all basics of Aeronautics" on 30th Aug-2014
- Arduino Day on 30th Aug-2014
- Git-Hub Day on 31st Aug-2014
- Arduino workshop 11th April-2014
- Hackathon on Arduino from 11th April-2014 to 13th April-2014 continuous day and night designing competition.
- Workshop on Raspberry Pi on 14th Dec-2014
- Hack-Pi-Dui Hackathon on Raspberry Pi on 19th to 21st Dec-2014, 72 hours designing competition.

Prepared by:
Mr. Darshan Patel
Mr. Bhadreshsinh Gohil
Mr. Vagmin Joshi



4TH ANNUAL CONVOCATION
Post Graduates Research Centers

7 Post Graduate Research Centers

- 7.1 PG Centre for Mobile Computing and Wireless Technologies (MCWT)**
- 7.2 Centre for Environmental and Green Technologies (CEGT)**
- 7.3 Centre for Cyber Security (CCS)**
- 7.4 Centre for Infrastructure, Transpiration and Water Management (CITWM)**
- 7.5 Centre for Technology Education, Public Policy and Universities of 21st Century (GTU-CeTEPU)**
- 7.6 Centre for Pharmaceutical Studies and Drug Delivery Technologies (CPSD)**
- 7.7 Centre for Financial Services (CFS)**
- 7.8 Centre for Marketing Excellence (CME)**
- 7.9 Centre For Global Business Studies (CGBS)**
- 7.10 Centre for Business Ethics and CSR (CBECSR)**
- 7.11 Centre For Project Management in Chemical Engineering (CPMCE)**
- 7.12 Center for Environment & Energy Efficiency Tools (CE3T)**
- 7.13 Centre (School) for Industrial Design (GTU-SID)**
- 7.14 Centre for Governance Systems in Business, Industries, Universities, Hospitals, NGOs and Government (GTU-CGS)**



4th Annual Convocation PG Center for Mobile Computing and Wireless Technologies (MCWT)

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Gujarat Technological University has initiated Fourteen Post Graduate Research Centers with a vision to develop professional research work. The Center for Mobile Computing & Wireless Technologies (MCWT) is one of the Post Graduate Research Centers, which is started with the objective to work in the area of Mobile Computing, Mobile Application Development Using Android and Wireless Technologies.

Now a days, one of the fast growing areas in the stream of communication is the Wireless and Mobile Technology. Mobile and Wireless technology has become a fire wave of the future to benefit every aspect of our life including business, personal, education, medical, entertainment as well as global communication. More than sixty percent of the world's population has gone mobile using stylish and excellent featured handsets, computers, laptops, net books, palmtop, personal digital assistants, tablets, smart phones with GPS devices and wireless terminals. These equipment's are delivered with WiFi, Blue tooth, 3G/4G services, virtual private networks and other advanced communication technologies.

Objective of the Center:

- Organizing talks and workshops on Current Research Trends like Current trends in Wireless Communication (4G), Emerging trends in Wireless Communication (5G & beyond), Computer & Networking, Internet of Things (IoT), Information & Communication Technology, Health Care through Tele health care systems, Green Communication, Smart Phones, Concept of Omnipresence (seamless connectivity/ integration of different standards), Cooperative communication and Cognitive radio etc.) by seasoned wireless and mobile applications technology experts.
- Organizing day long tutorials by wireless and mobile application technology experts
- Brainstorming new ideas that could be possible with wireless and mobile application technologies
- Meet new people and share the passion of making awesome mobile applications and being a part of a rich community by pushing our students at international avenues.
- Development of web based learning materials in association with UNESCO
- Leveraging open source hardware and software in this area.
- To initiate faculty and student exchange program with the best Universities of the world for knowledge sharing and exchange of ideas.

GTU has also established a board for Mobile Computing and Wireless Technologies. Under both (Board and Center) various activities are conducted at GTU as Mobile Computing and Wireless Technologies is one of the very important subjects of engineering education in GTU. Mobile and Wireless Technologies Club are being established at every College/Institute affiliated to GTU across the state.

* **Meeting of GTU Board for Mobile Computing and Wireless Technologies:**

Meeting of GTU Board for “Mobile Computing and Wireless Technologies” was held on 19th March 2011, Saturday from 11:00AM-01:00PM at the GTU Conference Hall, Ahmedabad under the chairmanship of Hon'ble Dr. Akshai K. Aggarwal. The agenda of the meeting was to discuss what should be the eligible criteria for the membership of the GTU board. Please refer to the report for Board of Mobile Computing and Wireless Technologies for more detail.

* **Mobile Computing and Wireless Technologies Club:**

Gujarat Technological University has been working since August 2011 in the field of Mobile Technologies. GTU's Master's program in Wireless Mobile Computing was started in August 2011.

Now, to share knowledge in the field of wireless and mobile technologies, Gujarat Technological University has decided that a Mobile and Wireless Club (MCWT) should be established at every College/Institute affiliated to GTU across the state so that we can regularly organize various activities related to wireless and mobile technology. And we share innovative ideas and activity to all the students and faculty of GTU affiliated colleges.

GTU has started this initiative from November 2013. (Kindly Visit: <http://www.gtu.ac.in/circulars/13Nov/MCWT%20circular.pdf>). At present 30 Clubs are successfully established at different College/Institute affiliated to GTU across the state and more in the process. Please refer to the report for Club of Mobile Computing and Wireless Technologies for more detail.

* To move a step forward in this direction GTU Center for Mobile Computing & Wireless Technologies (MCWT) has conducted a couple of workshops in the area of Mobile Application Development Using Android and Wireless Technologies.

One Day Workshop on, “**Emerging Research Trends in Mobile Computing & Wireless Technologies**” for faculty of EC, CE & IT, Engineering held on Gujarat Technological University, Chandkheda Campus.

Gujarat Technological University (GTU), “POST GRADUATE RESEARCH CENTER FOR MOBILE COMPUTING AND WIRELESS TECHNOLOGIES” organized One Day Workshop on “Emerging Research Trends in Mobile Computing & Wireless Technologies” on **18th October, 2014** by **Dr. Sanjeev Gupta, Shri N. D Acharya and Shri. Gargi Das**.

The workshop aims to give the awareness about the recent substantial increase of research & development and adoption in wireless and mobile technologies and considerable amount of contributions to this domain from India to various avenues like research, coding, localization, marketing, app store submissions, infrastructure, maintenance, job opportunities etc. have been observed.

The primary focus of this workshop of the workshop is on to share knowledge about Emerging Research Trends and Challenges in Wireless Technologies, Challenges in Satellite Communications and ignite faculties to take up Mobile application development using Android environment. Almost 111 (19 students & 92 faculty) members (**EC, CE & IT, Engineering** department) from various Engineering colleges affiliated to GTU across the state have participated in the workshop.

The technical session started with Dr. Sanjeev Gupta, is currently a Professor at Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Gandhinagar (Gujarat), who discuss Emerging Research Trends and Challenges in Wireless System Design. Shri N. D Acharya, General Manager at Infinium Pvt. Ltd took a session based on Mobile Communication in Satcom Domain. The complete presentation was based on Power Point Presentation and various Videos. Shri. Gargi Das is currently Lead Software Engineer at Emerson Innovation Center took a session based on various players of the mobile ecosystem and where they can fit in. After that a brief on all platforms was provided with a focus on tools, app-store and challenges of every platform.

All the faculty members have actively participated in this workshop and appreciated the efforts of GTU. For more detail, please click on: (<http://gtupgcenters.edu.in/home.aspx?id=2>)

Workshop Photos



❖ List of Workshop Conducted under the MCWT and MCW Club at Different colleges/Institute affiliated to GTU across the state

Sr No	Name of Institute	Workshop Title	Date	Convener and Co-ordinator
1	S. S. Engineering Collage, Bhavnagar	One day Workshop on "Mobile Forensics and Application".	07 th April, 2011	Prof K. R. Trivedi EC Dept
2	Shankersinh Vaghela Bapu Insitute of Technology, Vasan	One day Workshop on "Cloud Computing and Networking".	16 th April , 2011	Prof Sanjay Patel CEDept
3	Chaudhari Technical Institute, Gandhinagar	One day Workshop on "WML, WML Script, XHTML-MP, J2ME,Android -Eclipse"	23th April , 2011	Prof.Vinod Pillai MCA Dept
4	Atmiya Institute of Technology and Science, Rajkot	One day Workshop on "Mobile Application Development.	25 th April , 2011	Prof Kamaljit Lakhtria- MCA Dept

5	C. U. Shah College of Master of Computer Application, Wadhwan, Dist. Surendranagar	One day Workshop on “Mobile Communication & Mobile Computing”.	27 th April, 2011	Dr. H. B.Bhadka MCA Dept
6	Gandhinagar Institute of Technology, Gandhinagar	One day Workshop on “NS Implementation”.	29 th April, 2011	Prof Hardik Bhatt EC Dept
7	Atmiya Institute of Technology And Science, Rajkot	Two Day Workshop on “Mobile Application Development Using Android”	21 th & 22 th April-2012	Prof. Rashmi Agrawal, Prof. Jayesh Rathod, Prof. C.R. Varnagar
8	Shankersing Vaghela Bapu Institute of Technology.	Two day Workshop on, “Mobile Application Development Using Android(App Based Approach)”	31 st March 2012-1 st April 2012	Prof. Sanjay Patel-CE Dept
9	Vishwakarma Government Engineering College (VGEC), Chandkheda, Gandhinagar.	Five Day Workshop on “Mobile Application Development”	20 th -24 th June, 2011	1. Prof M.R. Patel Principal, VGEC, Chandkheda 2. Prof K.R. Trivedi, Associate Professor, SSEC, Bhavangar 3. Prof S.D. Panchal, Associate Prof, VGEC, Chandkheda 4. Prof M.A. Jajal, Asst Professor, SSEC, Bhavnagar 5. Prof C.K. Umrliya, Asst Professor, 6. Dr. JM Mehta Polytechnic, Amreli
10	G.H.Patel College of Engineering and Technology.	Two Day Workshop on “Mobile Application Development Using Android”	7 th – 8 th April,2012	Prof. Maulika Patel, Prof. Hetal Gaudani, Prof. Priyang Bhatt
11	A.Y.Dhdabhai Technical Institute,Kosam ba	Two day Workshop on “Mobile Application Development Using Android”	14 th -15 th April,2012	Prof.J.M. Barad

Prepared by:
Mr.MargamSuthar
Mr. Vagmin Joshi
Mr. Jaimin Dave
Mr. Ravish Hirpara



Center of Environment & Green Technologies (CEGT).

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Center has been working for the awareness of Renewable energy and efficiency, Recycle and Reuse of water, Urban air quality and Cleaner production system. Intention is to make our society and country environment healthy as well as clean and less polluted by acknowledging these realm to society. In 2014 the workshop has been organized on the topic of Biochar.

Center of Environment & Green Technologies (CEGT) and Central Research Institute for Dryland Agriculture (CRIDA), Hyderabad has jointly organized workshop on “Biochar”, on 24th August 2014, at GTU, Chandkheda, Ahmedabad. “Biochar” stands for a solid by product of a pyrolysis process which is used as a sorbent to remove toxic metals and nitro explosives from natural water and wastewater.



In first session Dr. K. Sammi Reddy, Head, Division of Resource Management, CRIDA made an introductory presentation about the workshop and the on-going research work on Biochar at CRIDA under NICRA

In first technical session Dr. G Venkatesh presented on 'Biochar: Preparation from different organic residues and their characterization'. Dr. K Sammi Reddy made presentation on 'Effect of application of Biochar on physical, chemical and biological properties of soils and crop-production'.



In second technical session Dr. H Pathak, Principal Scientist, IIAR presented on 'Biochar for reducing greenhouse gas emissions and sequestering carbon in soils'. Dr. S Kundu presented on 'Biochar for soil and water pollution remediation'. Dr. K A Gopinath presented on 'Constraints and opportunities of use of Biochar in Indian agriculture'. Honourable Vice Chancellor of GTU, Dr. Akshai Aggarwal in his address stressed on 'Research relevant to the needs of Society' to motivate the engineers for concept of Manufacture and design in India.

Prepared by:
Mr. Ravish Hirpara
Mr. Jaimin Dave

Center for Cyber Security (CCS)

Introduction

Gujarat Technological University PG School, Gandhinagar is one of the Engineering institutions which was established as joint venture of the Gujarat Technological University and Centre for Development of Advanced Computing (C-DAC)- ACTS, Pune. The Master's Program was started in September 2011 with facilities to run Master's Degree Programs with different specializations in Computer Engineering and Electronics & Communication Engineering. Under GTU's PG Research Centre in Cyber Security, a 2-year Master of Engineering in Network Security has been in operation since 2011. This is being run in collaboration with CDAC and BISAG.

Cyber security is an increasingly essential requirement for contemporary society and universal market. We exist in a data-centric world, where information security is much needed to pervade every aspect of our lives. But the challenge to understand cyber gamble and provide effective and accessible security solution becomes harder as technology moves towards the trend which we call internet of things where our digital gadgets become more complex. Our critical Infrastructure increasingly depends upon such information and communications infrastructures, and the threats.

Brief about activities done by Center for cyber security as mention below



Honorable Vice Chancellor of GTU, Dr. Akshai Aggarwal addressed the participants

- Gujarat Technological University (GTU) & C-DAC jointly organized a one-day workshop on “Open Stack and Network Security”, for Information Security Experts, IT Professionals, Professors and Research Students. The workshop was held at Gujarat Technological University, Gandhinagar on 25 Jan 2014. The event was inaugurated by Mrs. Usha Banker, Ex Deputy Director, GTU welcomed guests of honor Dr. Akshai Aggarwal, Hon'ble Vice Chancellor, GTU and Dr. G P Vadodariya, Ex I/C Registrar, GTU and Shri T P Singh, Director of Bhaskaracharya Institute for Space Applications and Geoinformatics [BISAG], Gandhinagar. Technical Session was conducted by Mr. Deep Patel, Co founder of Code Logic, Ahmedabad and Mr. Kaushal Bhavsar, Founder and CEO of Pratikar Technologies.



Recent Activity Done at CCS

GTU has taken the initiative to establish e-Raksha Research Center under the PG Research Centre in Cyber Security. Mr. Vineet Kumar (President Cyber Peace Foundation (<http://www.cyberpeacefoundation.org/>) & Ex-CTO, Jharkhand Police) has agreed to join the Advisory Board and to coordinate its activities. We are in process to make advisory board for this research centre under the guidance of Honorable Vice Chancellor of GTU, Dr. Akshai Aggarwal. The mission of the e-Raksha Research Center is to develop and spread knowledge and awareness on Cyber Security, creating environment for research on cyber security, improving capabilities with the help of various people who are involved with Cyber world from industries and various departments.

Prepared by:
Mr. Darshan Patel
Mr. Vagmin Joshi
Ms. Kinjal Dave



CENTER FOR INFRASTRUCTURE, TRANSPORTATION AND WATER MANAGEMENT (CITWM)

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Objectives of the centre:

Infrastructure is one of the prime mover and key important factors for development and the primary aim of this centre is to improve quality of life. Infrastructure is all around us, interwoven with our daily live severy thing relies on infrastructure. The research activities focus on the development of infrastructure, Transportation and water management to produce clean water supply as well as projects to secure the infrastructures to improve quality of life.

The Center has organized a One-day Conference on Affordable Housing- Land use, Policies Financing& Smart Growth on 24th March 2013. On 3rd August 2013, the Center organized a Half-day Seminar on Affordable Housing. The University also organized a Preparatory Meeting and a Half-day Seminar on 10th August 2013 on Solid Waste Management systems. The center has organized a conference on 30th August, 2014, on “**SMART CITIES QuoVadis?**” in this seminar the discussions of development of urban areas related to infrastructure and communication development discussed by the experts from industry, professors, principals and PG students. Centre has organized an expert talk by Shri Gaurav Agarwal, Director, Railway Board, Ministry of Railways on High Speed Rail in India What, When, Where, Why & How on 31st July, 2014 at GTU, Chandkheda, Ahmedabad. Such workshops will be arranged in future for the betterment of this centre.

Prepared by:
Mr. Jatin Thakrar
Ms. Jignasha Acharya
Mr. Vimal Sharma



Center for Technology Education, Public Policy and Universities of the 21st Century (GTU-CeTEPU-21)

4th
ANNUAL
CONVOCATION
Thursday, 22nd January, 2015

Designing the Structure of Technology Universities (DSTU) - a GTU Research project:

A research project on **Designing the Structure of a Technology University (DSTU)** has been taken up by GTU's 'Center for Technology Education, Public Policy and Universities of the 21st Century (GTU-CeTEPU-21)', jointly with the 'Center for Governance Systems in Businesses, Industries, Universities, Hospitals, NGOs and Governments (GTU-CGS)' and with 'GTU Skills Council On Human Resource Studies & Organizational Structures (GTU- CHRSOS)'.

The aim of the research project is to improve the current set up of India's universities and to create a road map for having universities, which offer the best of learning environment to the students and the faculty members. The first step for the research project on DSTU was taken on 27th April 2011, at a meeting where some of the Faculty members, interested in the area of organizational structures, the GTU Forum for Human Resource and Organizational Structures was set up. Seven consecutive meetings of DSTU were organized since its inception.

In the year 2014-15, Seminar on “**Re-designing the Structure of Universities and Public Policy Regime in India for coping with Challenges of the 21st Century**” was organized by GTU's Center for Technology Education, Public Policy and Universities of the 21st Century (GTU-CeTEPU-21) Jointly with the Center for Governance Systems in Businesses, Industries, Universities, Hospitals, NGOs & Governments (GTU-CGS) and GTU Skills Council on Human Resource Studies & Organizational Structures (GTU- CHRSOS) along with Department of Education, Govt. of Gujarat as a pre-summit event of National Education Summit on 8th & 9th January, 2014. The seminar was inaugurated by Shri Bhupendrasinhji Chudasamaji, Hon. Minister of Education, Government of Gujarat in the presence of 44 Vice Chancellors / Pro- Vice Chancellors from various universities across the country. Dr. Jayanti Ravi, Commissioner, Hon. Technical Education, Govt. of Gujarat was also present.



Re-designing the Structure of Universities and Public Policy Regime in India for coping with Challenges of the 21st Century was chaired and co- chaired by **Prof. B. Thimme Gowda**, Vice-Chancellor, Bangalore University, Bangalore and **Prof. Shashi Kumar Dhiman**, Vice Chancellor, Himachal Pradesh Technical University, Hamirpur, Himachal Pradesh respectively. **Dr. A. D. N Bajpai**, Secretary General, AIU and Vice Chancellor of Himachal Pradesh University, **Prof. K Lal Kishore**, Vice Chancellor, Jawaharlal Nehru Technological University, Anantapur, **Maj.Gen. (Dr) Ranjit Singh**, Vice Chancellor, Central University of Haryana, **Prof. D T Khathing**, Vice Chancellor, Central University of Jharkhand, Ranchi, **Prof. K. C. Singhal**, Vice- Chancellor, NIIMS University, Jaipur, **Mr. Mukul Kanitkar**, Bharatiya Shikshan Mandal, Nagpur, **Dr. Bhushan Dewan**, Pro Vice Chancellor, AKS University, Satna, **Prof. Manzoor Ahmed**, Vice Chancellor, Swami Vivekanand Subharti University, Meerut, **Prof. R P Bajpai**, Chancellor, Vel Tech University, **Dr. Anju Singh**, Provost JJT University, **Dr. Gopal Trivedi**, Former Vice Chancellor, Rajendra Agricultural University, Pusa, **Prof. A.P. Singh**, Dean, Punjab Technological University and **Dr. A.K. Malik**, Registrar of South Asia University were the learned speakers and they discussed the issues of policies, powers of Vice chancellors, bureaucratic hurdles at university level, political interventions, technological advancement and implementation issues. In order to become a world class university, the speakers said that the leaders at Universities have

- a) to find innovative ways to improve performance and services,
- b) to encourage innovation and research activity amongst the students and faculty members,
- c) to train the trainers by conducting large-scale FDPs,
- d) to build strong relationship between industry academia (The successful example of the work at GTU was cited as an example.),
- e) to build collaborations with the other universities and to create a synergical brick and click model,
- f) to adopt concept based learning and problem based learning,
- g) to improve the governance systems at Universities.

On 8th June, 2014 An Introductory Session on “Bharatiya Knowledge System in the Field of Science and Technology” was organized with an idea to initiate the Teachers Orientation program for GTU and other technological universities. One of the objectives of this meeting was to include the component of “Bhartiya Knowledge System” in the Teachers Orientation program. Around 20 faculties from different branches of Engineering, Management and Humanities participated in the meeting to give their view point along with the Core-Committee Members of DSTU and GTU Staff.



On 19th July, 2014^{7th} seminar on designing the Structure of Technological Universities (DSTU) was organized on 19th July, 2014. 20 Vice-Chancellors, Deans and Directors and some Ex-Directors/Vice-Chancellors were invited and participated in the seminar. The seminar was organized to have an insight of what is happening in the Higher Education system with an objective to provide a platform for thinkers, policy makers, academicians and other stake holders, to come together and share their experience and present what they think are the loopholes in the present education system. The Seminar was inaugurated by H.E. Ndubuisi Amaku, Ambassador of Nigeria, H.E. Shaida. Mohd. Abdali, Ambassador of Afghanistan, H.E. Rizali. W. Indrakesuma, Ambassador of Indonesia, H.E. Dr. Lewis Mbilizi, Deputy High Commissioner, Malawi.

A National Workshop in association with MHRD and AICTE on “Development of Policy Framework for Innovation, Student Entrepreneurship & IPR was scheduled **on 21st & 22nd November, 2014** for the universities with a large number of affiliated colleges. It was being organized to develop the policy framework for Innovation and Student Entrepreneurship for Universities so that the environment in Engineering Colleges which are affiliated with Universities, may become conducive to innovations by students. The National Workshop was inaugurated by Dr. H. K. Hada, Advisor AICTE, Mr. N.K. Goyal, President CMAI, Mr. H.K Mittal, Programme Head of Innovation, Entrepreneurship and Tech. Commercialization at DST GoI. Many other thinkers like Dr. Manoj Soni, Vice Chancellor Baba Saheb Ambedkar Open University, Dr. D.T. Kapadia, Director, Kadi Sarva Vishwavidyalaya, Prof. U.T. Rao, Chairperson MICA Incubators, Shri Kris Gopal krishnan, Co - Founder & Ex. CEO Infosys, Dr. M. N. Patel, Vice Chancellor Gujarat University, Prof. H.P. Khincha (Ex. VC VTU) and many other delegates have graced and deliberated in the event.



The National workshop was organized on various plenary sessions such as:



- Best Practices and Dialogues on Next Practices,
- Success Strategies for Academic Incubators/Accelerators/Co-Working Spaces at Universities;
- Challenges and opportunities for affiliating-type Universities,
- Rejuvenating Academic Pre-Incubation Support Systems like E cells, Emerging Pedagogies in Academic Incubators, PPP and other Incubators,
- Role of Start-up Ecosystems, Start-Up Networks, NPOs, NGOs, NGIs and others for Supporting Startups Across State Universities,
- Design Engineering workshop for Civil & Mechanical Engineering and allied branches, Financing Student Start-Ups;
- Hand-holding at early stage of Incubation Value Chain and Design Engineering workshop for Electrical, Electronics & Computer Engineering and allied branches

Prepared by:
Ms. Krutika Raval



AN ANNUAL REPORT OF CENTER OF PHARMACEUTICAL STUDIES & DRUG DELIVERY TECHNOLOGIES (CPSD)

4th
ANNUAL
CONVOCAION
Thursday, 22nd January, 2015

INTRODUCTION ABOUT CPSD

GTU is setting up state-of-art research center at its Chandkheda campus dedicated to Pharmaceutical Science. This research center will be constructed and functional by the end of 2015. Approximately 10,000 sq.mt. construction will be done for this research center. It will have total 7 Floors and separate building for Animal house. The multi-disciplinary research laboratories with high end instruments for different facets of Pharmaceutical sciences are under construction.

Other facility planned in this Research Centre

Animal house (As per CPCSEA guidelines),
Auditorium (150 seats capacity),
Canteen,
State of art Library (With E-library)

Objectives of this research center

- 1) To facilitate M. Pharm and PhD students of Pharmacy for their research work, so that they will get access to high end instruments and should not compromise with the quality of research.
- 2) To provide platform to Pharmacy students to pursue quality research and thereby make them more employable.
- 3) To provide facility to PG and PhD students of Pharmacy to utilize state-of-art research lab and their instruments to carry out their research projects.
- 4) To provide hands on training to UG and PG students of Pharmacy on sophisticated instruments.
- 5) To provide technical support to MSME and SME of Pharmaceutical and Biotech company of the state by addressing their scientific problems.
- 6) To collaborate and work with National and International Research Institutes for the Development of Drugs particularly for Tropical diseases and Orphan diseases.
- 7) To initiate Faculty exchange and student exchange program with the best Universities of the world for knowledge sharing and caring.

Provisional Research Center

Till the work of main building of research center get completed at Chandkheda campus, currently research center is started at GTU, Gandhinagar Campus situated at Sector-26.

1.Meetings for development of Center of Pharmaceutical Studies

To understand different technical features of instruments required to be purchased for CPGD, GTU, 1st Technical Discussion meet was scheduled on 21st and 22nd January 2014 at GTU, Chandkheda campus. During this meeting 16 different Pharmaceutical Instrument manufacturing companies have participated directly or through their local channel partner. These companies includes Shimadzu, Perkin Elmer, Agilent, Biolinx, Inkarp, Buchi, AD Instruments etc. Advisory committee members had a detail technical discussion with all company representatives. At the end of meeting, it was decided to invite other companies too, before finalizing specification of instruments.

Hence forth, 2nd Technical Discussion meet was scheduled on 19th April 2014, wherein another 10 Pharmaceutical Instrument manufacturing companies have participated directly or through their local channel partner. This includes Thermo Fisher, Waters, Beckman Coulter, Erwika, Marshap etc. Advisory committee members had a detail technical discussion with all company representatives. At the end of the meeting, it was decided to prepare draft specification by all team members as per their area of specialization and then schedule a meeting of Advisory committee members in the next month.

Accordingly Advisory committee members meeting was conducted on 31st May 2014, wherein members have preliminary drafted specifications of total 37 instruments planned to be purchased in Phase 1. Simultaneously, they also discussed about the procedure to be followed for purchase of instruments.

1. Pharmacy Research Week - 2014

Faculty of Pharmacy, GTU had organized Pharmacy Research Week-2014 for all the students of M. Pharm (Sem IV) and PhD (Pharmacy) from 20th February to 7th March 2014 at GTU, Chandkheda Campus, Ahmedabad.

Each year GTU organizes this Research week during the month of Feb-March, to see the progress of research carried out by Master and PhD students. The work of students is examined by the eminent experts of related fields. This mechanism provides a platform to students to get a deeper insight into his/her respective research area. Experts share their experience and give valuable suggestions to research students for value addition in their respective dissertation work. During this Research Week-2014 total 1,612 students of M. Pharm and 71 students of PhD have presented their progress of research experts.

To do the evaluation of research work done by the students, experts from foreign countries, industrial experts and academic experts from outside Gujarat as well as within the state have been invited. Foreign experts who have remained present include Prof. Vasu Appanna, Dean, Faculty of Science & Engineering, Laurentian University (LU), Sudbury, Canada and Prof. Abdelwahab Omri, Professor of Chemistry, Laurentian University (LU), Sudbury, Canada.

National experts includes Dr. K. Manjunath, Principal of Siddaganga College of Pharmacy, Karnataka; Prof. K. S. Jain from Puna University; Dr. V. K. Mourya, Principal, Nagpur University and like. Industry experts includes Dr. B. Panigrahi, Novartis, Hyderabad; Dr. Kanu Panchal, JB Chemicals, Vapi; Dr. Shailesh Patel from Synzeal, Dr. Pathik Brahmshatria from Oxygen Healthcare; Mr. Tarun Patel from Amneal Pharmaceuticals; Dr. Ashutosh Jani and Dr. Rajesh Gondalia from Accutest, Mr. Bharat Patel from Cadila Pharmaceuticals and Dr. Haresh Patel from Sun Pharmaceuticals.

Further, on each day workshop of all eminent experts have been organized during post lunch session on recent trends in their respective research domains. So that students can get a new horizon of research. Apart from these 240 experts from GTU affiliated Pharmacy Colleges have been invited during this Research Week 2014.

In brief, this research week was aimed to provide extended platform for learning and exploring new areas of research to all M. Pharm and Ph.D. students of GTU.

To make this Research Week a successful event, under the visionary leadership of **Hon'ble. Dr. Akshai Aggarwal**, Vice Chancellor of GTU and **Dr. G. P. Vadodaria**, I/c Registrar of GTU, the team of Faculty of Pharmacy of GTU along with Deans of Pharmacy gave in their best efforts.



3. 1st Centralized Placement Fair for Pharmacy

Faculty of Pharmacy, GTU in association with GTU-ITAP cell have organized “**1st Centralized Placement fair of Pharmacy**” on 27th April 2014, Sunday at GTU, Chandkheda Campus, Ahmedabad. In this placement fair, total 23 Pharmaceutical companies including Emcure Pharmaceuticals, Accuprec Research Lab, RPG Life Sciences, and Astral Pharmaceuticals etc. from across the state have participated to recruit candidates for total 170 posts of different job profile. Total 416 students including 12 students of D. Pharm, 156 students of B. Pharm and 238 students of M. Pharm have participated.

Hon'ble. Dr. Akshai Aggarwal, Vice chancellor of GTU, and **Shri Viranchi Shah**, General Secretary of IDMA-GSB, remained present during the inaugural session.

At the end of the day, total 649 interviews conducted by all participated companies. Total **126** students have been selected by different companies during this placement fair out of total **170** requirement. Salaries offered to different candidates were ranged from **0.84 Lac to 1.50 Lac per annum**. Candidates were selected for different posts like R & D, F & D, Production, QA/QC, Marketing and community pharmacy.

To organize this event successfully, along with GTU office bearers **Dr. Manish A. Rachchh**, **Mr. Amit Prajapati** and **Ms. Vaishakhi Gandhi**, committee members comprising principals of six different Pharmacy colleges namely **Dr. C. N. Patel**, **Dr. Ragin Shah**, **Dr. Praful Bharadia**, **Dr. Umesh Upadhyay**, **Dr. Madhubhai Patel** and **Dr. Mahesh Chhabria** gave in their best efforts.



4. 2nd Centralized Placement Fair for Pharmacy

After great success of "1st Centralized Placement Fair of Pharmacy" on 27th April 2014, Sunday under the visionary leadership of **Hon'ble Dr. Akshai Aggarwal**, Vice Chancellor of Gujarat Technological University, GTU-ITAP Cell and Faculty of Pharmacy jointly organized "**2nd Centralized Placement Fair for Pharmacy**" on **12th & 13th July, Saturday and Sunday** at GTU, Chandkheda campus, Ahmedabad.

This placement fair was organized with an objective to provide platform to the Pharmacy students of 2014 batch. During this event, screening and selection of pharmacy students for various job openings in different pharmaceutical companies of Gujarat has been done. Total 435 Students of Diploma in Pharmacy, Bachelor of Pharmacy & Master of Pharmacy have participated in this placement fair.

Hon. Dr. Akshai Aggarwal, Vice chancellor of GTU, **Shri Ketanbhai Patel**, Managing Director, Troikaa Pharmaceuticals Ltd., **Shri Padmin Buch**, Managing Director, GITCO and **Shri Prabodhbhai Shah**, President, GAAMA, Dean of Faculty of Pharmacy remained present during the inaugural session.

Total **31** Pharma companies including the leading names like Zydus Cadila Healthcare, Troikaa Pharma, Sanofi Aventis, Piramal, IPCA, Apollo Pharmacy etc. have participated as a recruiter in this fair and offered total **260** different jobs starting from **1.2 lac to 2.4 lac** packages per annum.



5. National Competition of “PATENTRACK - 2014”, Orientation of “PG DIPLOMA IN IPR” COURSE & Book Release ceremony “Module -1: Introduction of IPR and Patents”

GTU has organized three different events namely National level patent competition “**Paten Track-2014**”, Orientation program for all admitted candidates of “**Post Graduate Diploma in IPR**” course and Book release ceremony of “**Module 1: Introduction of IPR and Patents**” on 5th September 2014, Friday at GTU Chandkheda campus, wherein 110 faculty and students have participated.

Dr. Ruchi Tiwari, Joint Controller General of Patent, Design and Trademark (Joint-CGPDTM), Mumbai specially remained present as a “*Chief Guest*” in this function. She congratulated GTU for taking a lead role in promoting IPR and Patents among all academic institutions of Gujarat. Other dignitaries includes, **Shri Padmin Buch**, Managing Director, GITCO and **Dr. Alpesh Pathak**, Global IPR Head, Intas Pharmaceuticals.

First book of “**Module 1: Introduction of IPR and Patents**” of PG Diploma in IPR program was released by the hand of **Dr. Ruchi Tiwari**, **Dr. G. P. Vadodaria** and other dignitaries present on the dais.

After inaugural session, panel discussion was arranged which was chaired by **Shri Padmin Buch**, wherein **Dr. Ruchi Tiwari** and **Dr. Alpesh Pathak** served as technical experts and discussed about patent filling procedure and prosecution in patent office. Participants did brain storming interaction with all panel members.

During post lunch session, one side “**Paten Track - 2014**” competition was started, and simultaneously orientation program was started. In the competition total 31 teams participated and did poster presentation of their patented inventions. All these teams were broadly divided into 4 groups namely:

- a) Mechanical and its related inventions
- b) Electrical and its related invention
- c) Computers and its related invention
- d) Pharmaceutical and its related invention

At the end of day, valedictory session was organized, chaired by **Hon. Dr. Akshai K. Aggrawal**, Vice chancellor of GTU. In his speech, he mentioned about importance of teacher in any students' life and role that ideal teacher has to play for socio-economic development of entire society. He urged to all participating faculties, students and officers of GTU to give their best efforts to make GTU, a world class University. He also gave award to the participants who won in “Paten Track - 2014” competition. Along with him, **Dr. G. P. Vadodaria**, **Ms. Abha Banerjee** (known as 'Asian Oprah') and **Dr. Rupesh Vasani** also awarded the winners with memento.





6. Launching of PG Diploma in IPR Course (Off Campus)

To increase the skilled human resource that are not only technically sound but also having in-depth knowledge of IPR and patents, GTU has launched very unique one year “**Post Graduate Diploma in IPR**” from 5th September 2014. This course is of one year duration and off campus in nature, wherein participants have to come for 2 days in a month for contact classes.

OBJECTIVES OF THIS COURSE:

- 1) Increase skilled man power in the field of IPR and Patents.
- 2) Students/ faculty can take up this program along with their parallel study/ work as a Skill Development program.
- 3) There is huge demand of technocrats, who possess knowledge of IPR and Patents in research based Pharmaceutical and Engineering industry, so this program will increase Employability of our students.
- 4) After thorough training of this course, students can start their own consultancy firm in the field of IPR and Patents. So students can become Entrepreneur after going through this Program.
- 5) This will bridge the gap between Indian and Chinese figure of patents filing per year.

UNIQUE FEATURES OF THIS COURSE

- Off campus Program (Candidates can take up this course with his/ her ongoing study or job)
- 120 hours of contact classes (This is highest among all such kind of program)
- Chinese Patent System (This is 1st time offered by any institute in India)
- ARIPO Patent System (This is 1st time offered by any institute in India)
- Case study based learning (Each module will be supplemented with case study)
- Indian Patent Agent Exam Module (This is offered with PG Diploma course 1st time by any institute in India)
- Faculty from GTU, reputed law firms, IPR cells of Industry, Patent Officers and Foreign Experts will conduct the contact classes (This is to get diversified pull of expertise)

External Faculty of this course:

Prof. Heinz Goddar, Partner, Boehmert & Boehmert, Germany

Shri Padmin Buch, Managing Director, GITCO

Dr. Alpesh Pathak, Global IPR Head, Intas Pharma

Dr. UnnatPandit, Head (IPR), Cadila Pharma

Dr. Ashok Baria, Sr. Exe (IPR), Amneal Pharma

Shri Anil Pandey, Head (IPR), CII (Gujarat)

Dr. Manish kumar, Professor (Mechanical), JNV University

Shri Subhdip Sarkar, Head (IPR), Cognizant

Dr. Rajesh Acharya, MD, H. K. Acharya & Co.,

Shri Vinaykumar Pandya, Patent Attorney

Prepared by:
Dr. Manish Ranchch



“Centre for Financial Services”

4th
ANNUAL
CONVOCATION
Thursday, 22nd January, 2015

Gujarat Technological University has established fourteen Post Graduate Research Centres with a vision to develop professional research work. The Centre for Financial Services (CFS) is one of the Post Graduate Research Centres which is started with the objective to work into the area of Finance, Financial Services and Economics.

Objectives of the Centre:

- To offer training and education in the area of financial services and other areas of finance and economics by conducting long and short term courses.
- To conduct various in-house and external research in the area of financial services and other areas of finance and economics.
- To provide consultancy/advisory to the external bodies/institutes in the area of financial services and other areas of finance and economics.

This year an International Conference on “*Role of Financial Industry in Accelerating Economic Growth*” was organized at GTU's Chandkheda Campus by CFS on 26th and 27th September 2014. This Conference was co-sponsored by three Universities of International repute namely Ural Federal University (Russia), Laurentian University (Canada), De Mont Fort University (United Kingdom) and two Institutes of national repute namely Entrepreneurship Institute of India (India) and S. P. Jain Institute of Management & Research (India). The research papers for the conference were invited in the following five themes;

Theme - I: Economic Development through Financial Services and Markets

Theme - II: Effect of Public Policies and Legislative Provisions on Economic Growth

Theme - III: International Finance and Economic Developments

Theme - IV: Corporate Project Finance and Economic Developments

Theme - V: Contemporary Issues in Finance and Economics





The conference received huge response from researchers and participants. Eminent speakers from Credit Information Bureau (India) Limited, India SME Reconstruction Company Limited, Societe Generale, MAS Financial Services, Indian Institute of Financial Solutions Private Limited delivered their key note speeches during the plenary sessions.

CFS is looking forward to organize such conferences in coming time.

A newsletter “Anantyam” is published jointly by all the PG Research Centres of GTU with various research articles. In the third volume of this newsletter article son “Gujarat leads in contribution towards GDP of the Nation” by Mr. Hitesh Gujarati and “A Study of Investment Options for Individuals” by Mr. Vikrant Vala were published.

Currently the Centre is in the process of launching a professional course “PG Diploma in Financial Markets”. The target audience for this course will be any Graduate with the passion to learn and build career in the area of financial markets. The content of the course will be taught by experts from the financial industry and will cover all the basic and advance understanding of financial services. The unique feature of this course will be of teaching financial trading process by simulation software to the participants which will help them in better understanding of the diverse financial markets. It is also planned to conduct other short term courses under the aegis of CFS.

The Centre is also in the process of conducting a one day / two days' workshop for the students from the finance background. These workshops will give the students a practical know-how of the industry.

Over and above, the Centre is also looking for some quality externally funded research projects from the government as well as private agencies. The major targeted projects will be from the area of finance and economics.

Prepared by:
Mr. Vikrant Vala
Mr. Hitesh Gujarati



Centre for Marketing Excellence

4th
ANNUAL
CONVOCATION
Thursday, 22nd January, 2015

Centre for marketing Excellence is one of the PG research Centre at Gujarat Technological University which is working for the development of new marketing Concepts and especially working on the products which requires more marketing in favour of societal benefits. Ayurvedic Medicines are one of them which is needed to be identified and recognized by the people. Ayurveda is our heritage and as Indian we should be proud.

Centre for Marketing Excellence has launched second phase of Kotler's Incubator for Ayurvedic Medicines for this purpose. If Ayurveda is marketed properly it will benefit to all the stake holders' viz. common man, farmer, manufacturer, retailer and it will help to generate revenue also. Farmers are growing such plants but they don't have the potential buyers while buyers have a complaint that they don't find quality material. More than that it requires training for all the stake holders to know how to use, what to use and when to use the particular plants. More awareness will help them in each stage. Objective for the second phase will be

Basically project is focused in such sub areas.

1. Identify the plants available in Gujarat now a days and past availability
2. Make a cluster of each plant and check the availability of it in all over state and divide it in subgroups.
3. Research on land requirement for such plants, and make Feasibility Study for the same.
4. Procedure of conversion into the Row material for each plant
5. Value chain Analysis
6. Feasibility Study
7. Spread Awareness

Upcoming event: Center for Marketing Excellence is going to organize a workshop for Kotler's Incubator for Ayurvedic Medicines -A launch of second phase.

Apart from Research Project, Centre is working for the Skill council of Marketing at GTU. Basically 25 sectorial panel has been divided to work on. To activate the skills councils, it is proposed to nominate one Faculty Coordinator, two student members (one from MBA III Semester and one from MBA- I Semester) from each specialization (HR, Marketing and Finance). This group of 9 members shall be responsible to activate Skills Councils and conducting related activities at Institute level. **GTU-SCCM** (Skills Councils Coordinators for Marketing) will work with them in terms of giving guidelines, solving queries, collecting reports from MBA Institutes, organizing Faculty Development Program (FDP) etc.



Sectorial Panel for Marketing Skill Council

Proposed Skills Councils Activities

A suggestive list of activities for Marketing shall be provided by GTU. Faculty Coordinators have freedom to choose the activity and they are also encouraged to do any relevant activity under each Skills Councils. The purpose is to increase **Institute-Industry-Interaction** while learning the practical under each specialization.

- * Seminar/ Workshop/ Guest Lecture by Industry Expert
- * Industrial Visit
- * Any small Research Project
- * Quiz/ Group discussion/ Debate preferably in presence of Industry Expert
- * Additional Certification Course
- * Sectorial Studies
- * Any other activity decided by Faculty Coordinator

Prepared by:
Ms. Krishnaba Parmar



CENTRE FOR GLOBAL BUSINESS STUDIES (CGBS)

4th
ANNUAL
CONVOCATION
Thursday, 22nd January, 2015

Centre for Global Business Studies (CGBS) is one of the PG research centres of GTU. CGBS promotes the research work in field of business management and facilitates the foreign study programs across the branches of Engineering, Pharmacy, Computer Science and Management.

The Centre for Global Business Studies has been established to construct a coherent global perspective in education and research. The Centre is having the focus on seven regional markets to discover opportunities for doing business, namely: North America, Europe, South America and Caribbean countries, Middle East and Africa, Central Asia, East Asia and Pacific Countries & South Asia.

The centre is established to empower the Students and Faculties to explore the new heights in Global Business and Technical Research.

Please visit <http://international.gtu.ac.in/> for more details.

Mission of CGBS:

- ✓ Attracting scholars who are global leader in their fields.
- ✓ Internationalization of faculty and students through MOUs with foreign universities.
- ✓ Achieve the Leadership in academic research and teaching in global business studies.
- ✓ Creating an eco-system for innovation - leveraging academic and industrial research for global business studies.
- ✓ Fostering entrepreneurship through global business studies.

2. GLOBAL COUNTRY STUDY REPORT (GCSR) PROGRAM

GTU has introduced the Global MBA program since August 2011. Every MBA student is required to study the business environment in some country with the perspective of an Indian analyst. The two-semester course of Global Country Study Report has been introduced at the 3rd and 4th semesters in MBA program and the students are encouraged to establish contacts with businesses and scholars in the country which they are studying. They are also encouraged to visit the country during the two weeks of vacation between the 3rd and 4th semester. In GCSR, the Faculties and Students of MBA Institutes have conducted studies of 70 countries in year 2011-12 and 2012-13. In 2013-14, they have studied 110 countries. In the current academic year students and faculties are studying 112 countries.

2.1 Initiation of Centralized Viva for GCSR at GTU

The leadership of GTU is having very inspiring and directional vision to make GTU as a 'Research Based World Class University'. To accomplish this vision, under the guidance of Hon'ble Vice Chancellor Dr. Akshai Aggarwal, GTU has initiated a concept of "Research Week" in 2012. The purpose behind this concept is to enhance and benchmark the quality standards in the research work in all branches of GTU. In 2014, CGBS has introduced the Centralized Viva for GCSR and Comprehensive Project for MBA students. The Viva were scheduled from 2nd to 10th May 2014 across the centers of all five zones. CGBS has prepared a comprehensive guidelines for the evaluation and the professors of GTU PG research Centres of Management had managed the examination centres of Zone 1 at GTU Chandkheda and Zone 2 at GTU Gandhinagar Campus. In total, approximately 6800 students have appeared the viva at all five zones.

GTU has appointed the members of Board of Advisory Committee as a Special Observers in all zones for GCSR viva. The committee has visited and participated in the viva on various days and submitted the reports of their observation. The outcome of these centralized Viva is very positive. The evaluators and committee members have identified many areas of the research work which require the improvements and due to this, CGBS has revised few of the guidelines of GCSR with some additions to improve the overall quality and utility of the project work.

2.2 Collection of GCSR (2013-14) Part I and Part II Reports

As a policy of annual submission of GCSR reports to the university, The Part-I was collected in the month of March 2013 and the Part-II final GCSR was collected in the month of June-2013. 132 reports have been collected for 78 countries during the academic year 2012-13. The collected final reports have been uploaded on newly designed “**International**” tab on GTU official website. Kindly visit: http://international.gtu.ac.in/Report_Select1.aspx for all detailed GCSR from year 2011-12 and onwards.

2.3 Evaluation of GCSR (2013-14) Reports

The collected GCSR Part-I and Part-II reports have been evaluated by members of Centre for Global Business Studies i.e. Mr. Keyur Darji, Dr. Sarika Srivastava and Dr. Kaushal Bhatt. The submitted reports were evaluated on following parameters.

Parameters for GCSR Evaluation:

1. Timely submission of report
2. Proper formatting
3. Plagiarism below 30%
4. Index
5. Complete list of references at the end of the report
6. References with tables/charts/graphs
7. Inclusion of latest available data
8. Local company visit (if applicable)
9. Visit to the selected country (if applicable)
10. Business Plan / Strategies
11. Findings in terms of Import- Export possibilities with India

All submitted reports were categorized in Grade **A**, **B** and **C** on fulfilment of above mentioned criteria. This evaluation is considered as one of the input for allocation of countries for GCSR 2013-14.

2.4 GCSR Country and State Allocation for Academic Year 2014-15

On the basis of work done in GCSR 2013-14 by the institutes as well as their number of students, CGBS has allocated the GCSR countries for academic year 2014-15 to all Institutes in the Seminar on International Trade on 25th June 2014. CGBS has taken the consent of all members of BOA GCSR and Hon'ble Vice Chancellor Dr. Akshai Aggarwal for the allocation. As per the direction of Dr. Aggarwal, first time in GCSR, the study of other states of India has also included. CGBS has allocated 112 countries along with all the states to the affiliated MBA Institutes of GTU.

Please visit:

<http://www.gtu.ac.in/circulars/14Jul/GCSR%20Country%20Allocation%202014-15.pdf> for the list of the GCSR countries and states 2014-15.

2.5 Revised GCSR Handbook with introduction of State Study

On basis of the observations of GCSR evaluation committee and suggestions given by Honorable Vice Chancellor, team CGBS has introduced a new version of GCSR Handbook applicable from academic year 2014-15 and onwards.

The major Additions in the Handbook are

- Introduction of Indian States Study along with the Foreign Country for each Institute
- Mandatory Company/Industry Visit during the Semester Gap between Semester III and IV
- Mandatory consideration of Final Product of specific industry of study in preparation of Business Plan
- Prepared session plan of GCSR for Institutes to conduct 18 sessions per semester for each country
- Role of Directors/ Faculty and students in GCSR

GCSR Handbook for 2014-15 and onwards is available on the following link

<http://www.gtu.ac.in/syllabus/MBA/GCSR%20Hand%20Book%202014-15.pdf>

2.6 Handling and Solving GCSR queries of MBA Institutes

The New GCSR guidelines were published in GCSR Handbook for academic year 2014-15 onwards. So, the Institutes are having many queries regarding Structure, revised Project Pattern, Submission Guidelines, etc. Team CGBS is in continuous touch and providing back end support to GCSR coordinators of MBA Institutes and actively and promptly solving their queries. From this year onwards feedback system has been implemented for the improvement of GCSR program.

3. CELEBRATION OF NATIONAL/INDEPENDENCE DAYS OF GCSR COUNTRIES

CGBS has started a unique and one of its kind activities called National Day Celebration (NDC) at university campus with the objective of making the GCSR program more efficient and interesting. Under this exclusive program, National Days of 31 countries have been celebrated from August 2013 to November 2014.

Following are some key objectives of the National Day Celebration:

- ➔ To enhance the overall involvement of the students with the selected GCSR country.
- ➔ To strengthen the network among students, professors and other stakeholders with the selected country
- ➔ To demonstrate and uphold the national pride and fellowship
- ➔ To discuss the environmental factors for exploring the business opportunities with the Selected GCSR Country
- ➔ To provide the platform to the faculties / students to interact with the diplomats / corporate leaders / Entrepreneurs of selected country.

3.1 National Day Celebration of Sri Lanka and Iran



GTU celebrated National days Sri Lanka and Iran on 8th February, 2014. More than 150 MBA students studying these two countries participated along with their faculties. 15 Srilankan students who are studying various courses under different streams at GTU also participated in the program very passionately and performed various cultural presentations.

For Detailed Report on the Celebration Please Visit:

<http://www.gtu.ac.in/circulars/14March/05032014.pdf>

3.2 National Day Celebration of Mauritius and Bangladesh



1st March 2013, GTU celebrated the National Days of Mauritius and Bangladesh. It was the seventh National Day celebration of GCSR countries organized by the Post-graduate Research Centre of Global Business Studies at GTU. Around 90 GTU MBA students and 35 Bangladeshi Students studying at various branches at GTU have participated in the event. The Bangladeshi Students have presented beautiful cultural performances and created a glimpse of Bangladesh at the conference hall of GTU.

For Detailed Report on the Celebration Please Visit:

<http://www.gtu.ac.in/circulars/14Apr/09042014.pdf>

3.3 National Day Celebration of Tunisia and Hungary

On 30th March 2014, in the valuable presence of **His Excellency Mr. Tarek Azouz, the Ambassador of Tunisia to India**, GTU celebrated the National Days of Tunisia and Hungary. He appreciated the initiative of GTU to study the different countries of the world as far as the business relations and opportunities are concerned. He said that though a few of the Institutes in India study the politics and social factors of



other countries, but the business opportunities along with these all factors are being studied at GTU only. For Detailed Report on the Celebration Please Visit:http://gtu.ac.in/circulars/14Apr/16042014_01.pdf

3.4 National Day Celebration of Zimbabwe and Syria

GTU celebrated National days of Zimbabwe & Syria on 19th April, 2014. The dignitaries on the dais were (From the right) Dr. Rajesh Khajuria (Director, CKSVIM); Mr. K. H. Patel, Board of Advisor, GCSR, GTU; Dr. Akshai Aggarwal, Hon'ble Vice Chancellor, GTU; Mr. Sunil Modi, Board of Advisor, GCSR, GTU. 80 students and faculties have participated in the event.

For Detailed Report on the Celebration Please Visit: <http://international.gtu.ac.in/userfiles1/file/Zimbabwe%20and%20Syria%20Report.pdf>



3.5 National Day Celebration of Uruguay, Indonesia, Afghanistan and Ukraine

On 23rd August 2014, GTU celebrated the National Days of **Uruguay, Indonesia, Afghanistan, and Ukraine**. Dignitaries who adorned the event with their valuable experience and views were Mr. Sunil Modi (Member, Board of Advisors for GCSR), Mr. Sanjay Trivedi-Senior Manager with Corporate Communications of Shalby Hospitals, Mr. K H Patel (Member, Board of Advisors for GCSR), Mr. Suresh Patel-former Technical Director and Operational Excellence Executive, Dr. Akshai Aggarwal (Vice Chancellor, GTU), Ms. Bhagyesh Soneji (CMD, Ameda Pharma Pvt. Ltd Ahmedabad & Chairperson-Gujarat Council ASSOCHAM), and Dr. S.O. Junare, Dean GTU and Director, SJIPM.



Faculty members and students of L. J. Institute of Management Studies Ahmedabad who are studying– Indonesia, Kalol Institute of Management ,Kalol who are studying Afghanistan, Sardar Patel college of Administration and Management, Anand who are studying Ukraine and Shayona Institute of Business Management, Ahmedabad who are studying Uruguay participated in the event at GTU. Approx. 200 Students and Faculties participated in the event.

For Detailed Report on the Celebration Please Visit:
http://www.gtu.ac.in/circulars/14SEP/03092014_02.pdf

3.6 National Day Celebration of Malaysia, Uganda, Mexico and Brazil

On 7th September 2014, GTU celebrated the National Days of **MALAYSIA, UGANDA, MEXICO AND BRAZIL**. Ms. Bhagyesh Soneji (CMD, Ameda Pharma Pvt. Ltd, Ahmedabad & Chairperson–Gujarat Council ASSOCHAM), Mr. Sunil Modi (Member, Board of Advisors for GCSR), Ms. Abha Maryada Banerjee– India's First Internationally acclaimed Women Motivational Speaker, Dr. Akshai Aggarwal (Vice Chancellor, GTU), Mrs. Shakuntala Aggarwal and Dr. G.P. Vadodaria, I/C Registrar, GTU graced the celebration. 190 Students from four MBA institutes participated in the event.



For Detailed Report on the Celebration Please Visit: http://files.gtu.ac.in/circulars/14SEP/12092014_04.pdf

3.7 National Day Celebration of China, Germany, Malta and Chile

Chile On 21st September 2014, GTU celebrated the National Days of **CHINA, GERMANY, MALTA AND CHILE**. Dignitaries who adorned the event with their valuable experience and views were Ms. Bhagyesh Soneji (CMD, Ameda Pharma Pvt. Ltd, Ahmedabad & Chairperson– Gujarat Council ASSOCHAM), Mr. Sunil Modi (Member, Board of Advisors for GCSR), Mr. N.K. Goyal (Member, Board of Advisors for GCSR), Dr. Shivendra Gupta– Independent Education Management Professional, Mr. S. Rajaram-CEO, Erhardt Leimer India Private Ltd, Dr. Akshai Aggarwal (Vice Chancellor, GTU) and Dr. G.P. Vadodaria I/C Registrar, GTU.



Approximately 210 students and faculties of Parul Institute of Management, Vadodara who are studying– Germany, Chaudhary Technical Institute, Gandhinagar who are studying Malta, C. K. Shah Vijapurwala Institute of Management, Vadodara, who are studying China and Sunshine Institute of Management, Rajkot who are studying Chile participated in the event at GTU.

For Detailed Report on the Celebration Please Visit: http://files.gtu.ac.in/circulars/14Oct/14102014_08.pdf

3.8 National Day Celebration of Zambia, South Korea, Austria and Turkey





In the National day celebration of Turkey, Zambia, South Korea and Austria, Mr. Sunil Modi (Member, Board of Advisors for GCSR), Dr. Saurabh N. Mehta, Associate professor and HOD VIT Mumbai, Dr. Akshai Aggarwal (Vice Chancellor, GTU), Dr. Rajesh Khajuria- Director CKSVIM and Chairman- GCSR Committee, and Dr. G.P. Vadodaria, I/C Registrar, GTU shared their valuable experience.

For Detailed Report please visit: <http://files.gtu.ac.in/circulars/14Oct/15102014.pdf>

3.9 National Day Celebration of Angola, Cambodia, Turkmenistan and Myanmar

On 15th November 2014, CGBS-GTU celebrated the National Days of MYANMAR, TURKMENISTAN, CAMBODIA and ANGOLA. Mr. J. F. Ganga, Minister-Counsellor, Embassy of Angola, Mr. José Evaristo First Secretary, Embassy of Angola, Dr. Akshai Aggarwal, Mr. Jagat Shah- Foreign representative of Government of Manitoba, Canada in India; Mr. J.C. Lilani- Registrar, GTU; Mr. Rajan Purohit, Head- International Operations, Ganpat University; Mr. Shivendra Gupta- Independent Education Management Professional; Mr. Sunil Modi Board of Advisor, GCSR graced the event. Around 180 Students from SAL Institute of Management, L J Institute of Management, Ahmedabad, Sahajananad Institute of Management, Bhavnagar and Golden Jubilee Institute of Management, Siddhpur have participated in the event.



4. FDP/SEMINARS/WORKSHOP ORGANIZED BY CGBS

4.1 Seminar on International Trade



Centre for Global Business Studies organized a one day seminar on 'International Trade with special focus on prerequisites for Export-Import' on 25th June 2014. Around 75 Faculty Members from different Management Institutes and GTU officials have participated in the seminar. The seminar was organized with the objective of acquainting the faculty members on International Trade with special focus on prerequisites for Export-Import.

Dr.P.G.K. Murthy, Dean Management & Director Parul Institute of Management, vadodara and Mr. Sunil Modi, Board of Advisor, GCSR graced the seminar as an invited speakers.

For detailed report please visit: <http://www.gtu.ac.in/circulars/14Jul/18072014.pdf>

4.2 2nd Conclave on Afro-Asian Countries:

To provide the macro level information to the faculties and students about the business opportunities in Asian and African Countries, 2nd Conclave was organized on 19th July, 2014.

The dignitaries who graced the event were (from left) Dr. G. P. Vadodaria, I/C Registrar GTU, H. E. Mr. Shaida Mohd. Abdali Ambassador of Afghanistan to India, H. E. Mr. Rizali W. Indrakesuma, Ambassador of Indonesia to India, Dr. Akshai Aggarwal, Hon'ble Vice Chancellor GTU, H.E. Mr. Ndubuisi V Amaku, High Commissioner of Nigeria to India, Dr. Lewis Mbilizi, Deputy High Commissioner of Malawi to India and Mr. N. K. Goyal President CMAI Association of India. Around 80 Management Faculties have participated in the conclave.



For detailed report please visit: http://www.gtu.ac.in/circulars/14Aug/20082014_01.pdf

4.3 FDP on quantitative techniques for scientific research using statistical software



Centre for Global Business Studies (CGBS) organized Five Days FDP on '**Quantitative Techniques for Scientific Research Using Statistical Software**' during 21-25 July 2014 at GTU Chandkheda Campus, Ahmedabad. The FDP aims to impart knowledge on Research Methodology, Scientific Discovery, Quantitative Techniques, Marketing Research, Charts, Hypothesis Testing, Cluster Analysis, Multi-Dimensional Scaling (MDS), Correlation & Regression,

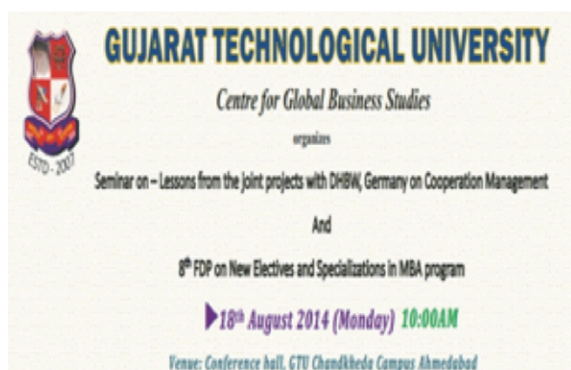
Exploratory Factor Analysis (EFA), Confirmatory Factor Analysis (CFA), Path Analysis, Structured Equation Modelling (SEM), SPSS, AMOS, etc. Prof. (Dr.) Dheeraj Sharma, Marketing Chair, IIM Ahmedabad, Dr. Rajnikant Patel, Professor and



Head at Postgraduate Department of Business Management, Sardar Patel University, Dr. Kaushal Bhatt, Assistant Professor, Centre for Global Business Studies, GTU, Dr. Ritesh Patel, Assistant Professor, Centre for Governance System, GTU, Dr. Nishith H. Bhatt, Associate Professor, Department of Management, Hemchandracharya North Gujarat University, Patan, Dr. Jagannath V. Aghav, Professor and Head Department of Computer Engineering and Information Technology College of Engineering at Pune and Dr. Vipul V. Patel is doctorate guide in management at Ganpat University, R. K. University and C. U. Shah University taken the sessions as a resource persons during FDP. About 60 professors and research scholars participated in the FDP.

For detailed report, please visit: http://www.gtu.ac.in/circulars/14Aug/28082014_07.pdf

4.4 8th FDP on new electives and specializations in MBA program



On 18th August 2014 CGBS has organized “8th FDP on New Electives and Specialization in MBA program.”

With a view to improve teaching quality, enhance teaching capabilities and train learned Faculty members of MBA Program offered by all MBA Institutes / Colleges, Gujarat Technological University (GTU) has organized Faculty Development Program (FDP) for new electives/specializations offered from Academic Year 2014 -15 for the benefit of GTU MBA Institutions and Faculty Members.

5. INDO- CANADIAN STUDY CENTRE

On 11th October 2012, the MOU between University of Alberta and GTU was signed during the visit of Dr. Indira Samarasekera, President & Vice Chancellor of University of Alberta. An Indo-Canadian Study Centre was also inaugurated on the same day by Dr. Samarasekera, in the presence of many businessmen and industrialists from Indo Canadian enterprises of Gujarat and Mr Jagat Shah, Chairman Indo Canadian Business Chamber.

Indo Canadian Study Centre is dedicated study centre for Canadian Studies. It promotes the various academic activities like arranging international conferences and seminars, and hosting academic visits of the professors and students from both countries.

5.1 Participation in celebration of Canada day and farewell of H.E. Mr. Stewart Beak, High Commissioner of Canada



of Canada in leadership of Honorable Vice Chancellor Dr. Akshai Aggarwal. H.E. Mr. Stewart Beck has significantly contributed in the successful initiation of 1st IEP program of GTU

with University of Alberta, Canada so, on the occasion of his farewell, GTU has recognized his contribution by presenting letter of thanks along with plaque of Honor.

On 18th June 2014, the member of team CGBS, Dr. Sarika Srivastava, Dr. Kaushal Bhatt and Mr. Keyur Darji participated in the Canada Day and Farewell visit of H.E. Mr. Stewart Beck, High Commissioner



The member of CGBS have interacted with the delegates in the event and shared the activities of Indo-Canadian Study Centre.

5.2 Visit of Canadian Universities at GTU

Prof. Simarjeet Saini, University of Waterloo and Mr Harjeet Bajaj, CEO of Canada International Trade Services.



On 27th August 2014, Prof. Simarjeet Saini, University of Waterloo and Mr Harjeet Bajaj, CEO of Canada International Trade Services visited GTU and conducted a meeting with Hon'ble Vice Chancellor Dr. Akshai Aggarwal along with the member of CGBS.

The delegation has discussed the opportunities of collaboration with both the universities in field of Engineering and Management Research.

Visit of Three Canadian Universities at GTU

In September 2014, delegation from three Canadian Universities, namely **Saint Mary's University, Memorial University and University of Prince Edward Island** have visited GTU. The President Of International Relations and Manager International Relations have interacted with the Vice Chancellor, Dr. Akshai Aggarwal as well as the member of CGBS.



The opportunities for the collaborations and joint research projects have discussed in the meeting and the representatives of all three Canadian universities got very much impressed with the innovative initiatives taken by GTU in field of Internationalization of the University and Research & Development in all branches.

Visit of International Relation Officer of Cape Breton University at GTU

The International Relation officer, Mr. Brett MacLean had visited GTU along with Mr. Mignesh Parekh from Kamma Inc., Ahmedabad in September 2014. Mr. Brett proposed to start the IEP programs with the CBU being the leading University having core strength in Petroleum Engineering. The members of CGBS along with Mr. Hiren Thakar discussed the scope of collaboration between GTU and CBU and both Universities are in progress to have a tie up for IEP and higher study programs.

5.3 Visit of Canadian Co-supervisors during GTU Research Week 2014



Gujarat Technological University (GTU) organizes Research Week as an evaluation process of the Ph.D. and Masters Students for the mid-semester review of their final year theses work at the University Campus. Experts from Universities of India and abroad along with Industry Experts evaluate the work of these students and mentor the students so that they can improve the quality of their work.

Dr. Vasu Apanna, Dean of Pharmacy at Laurentian University, Canada attended the 3rd Research Week at GTU in February 2014. Dr. Apanna evaluated more than 30 students at GTU Pharmacy Research Week. He was impressed with the concept of Research Week.



Dr. Omri from Laurentian University, Canada was really impressed to see the environment at the Research Week of GTU. Dr. Omri said that “We have learnt from the students. Students here are very smart.” He said that Research week is very well organized.

5.4 GTU's students' visit to Laurentian University for IEP



97 GTU students from CE, CSE, IT semester– 6 and MCA Semester– 4 visited Laurentian University Canada in IEP 2014.

For more details please visit: http://international.gtu.ac.in/userfiles1/file/IEP%20reports/2014/full%20report%202014/Report%20IEP%202014%20Canada_.pdf

5.5 Meeting with Honorable Brad Wall, Premier of Saskatchewan, Canada

The Honorable Brad Wall, Premier of the Canadian province of Saskatchewan, was on a trade mission to India from November 16 to 22, 2014. On 18th November 2014, he addressed the gathering at Ahmedabad. The program was organized by ICBC at Hotel Marriott, Ahmedabad.

During his second visit to India, Premier Wall explored areas of deeper cooperation in Energy, Agri-food and Innovation. He also expected to profile business opportunities in the province of Saskatchewan for Indian investors.

Gujarat Technological University (GTU) has signed MoU with University of Saskatchewan, Canada in 2013 so Dr. Sarika Srivastava and Dr. Jyoti Srivastava represented CGBS in the event and discusses various opportunities with Mr. Brad to take GTU's international programs to the next level.



6. INDO-GERMAN STUDY CENTRE

6.1 Study tour of DHBW students at Gujarat

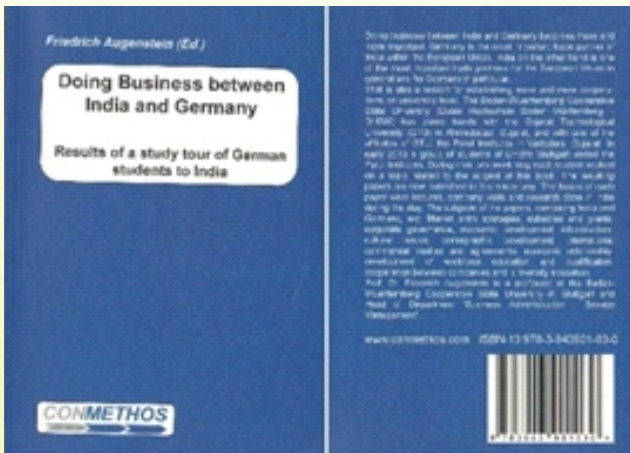


17 students from Duale Hochschule Baden-Württemberg (DHBW), Stuttgart Germany were warmly welcomed at Gujarat Technological University on 10th February, 2014. DHBW students were in Gujarat on study tour for 15 days from 1st to 15th February 2014. C. K. Shah Vijapurvala Institute of Management, a GTU affiliated Institute at Vadodara had hosted the students visit. Dr. Akshai Aggarwal, Vice Chancellor, GTU; Dr. Ramesh Shah, Professor, International Business Management, DHBW University; Dr. Rajesh Khajuria, Director, CKSVIM; Dr. S.O. Junare,

Dean– GTU & Director - SJPIM, Gandhinagar and CGBS team have welcomed and interacted with DHBW students' visit at GTU Ahmedabad.

For more details please visit: http://www.gtu.ac.in/circulars/14Apr/21042014_04.pdf

6.2 Release of book on Joint Research Projects “Doing Business between India and Germany” and “Cooperation Management”



GTU has initiated two collaborative research projects with **Duale Hochschule Baden Wuerttemberg (DHBW) Stuttgart, Germany** under the Indo-German Study Centre in 2013. The research projects were titled as (I) Doing Business between India and Germany (II) Cooperation Management among Businesses.

These projects were initiated in start of 2013 and on the completion of the projects, GTU and DHBW have launched the research in terms of books for both the projects.

The book on “Doing business between Indian and Germany” has been released during the visit of Dr. Ramesh Shah along with DHBW students on their study tour at GTU on 10th February 2014 and the Book on “Cooperation Management” has been released on the occasion of the Seminar on Lessons from The Joint Projects With DHBW, Germany on Cooperation Management on 18th August 2014.



6.3 GTU & Wismar - Propelling for new collaborations

Prof. Dr. Norbert Gruenwald (Rector, Wismar University) Prof. Andreas Ahrens (Professor of Electrical Engineering) and Prof. Olaf Bassus (Management) visited GTU on 25th February, 2014 to explore new area for Academic Alliance in Master Program and Research Area and to discuss on proposed summer camp (IEP) in June-2014.



The team of GTU including Dr. G. P. Vadodaria, Registrar GTU, Deans of Pharmacy, Dr. K. N .Seth - Dean Advancement, Alumni Affairs and Interdisciplinary Research, Mr. Hiren Thakar, Mr. Keyur Darji and Dr. Kaushal Bhatt from GTU Indo-German Study Centre and Ms. Bhavita Shukla- Project Officer , Media had organized meeting with the delegation of Wismar University. In their second visit on 3rd December 2014 at GTU, under leadership of Dr. Akshai Aggarwal and Dr. Rajul Gajjar,

Dean Engineering GTU, the members discussed about the opportunity in joint Master's Degree Program. Recently, on 3rd December 2014, Prof. (Dr.) Ingo Muller, Dean of Engineering and Prof. Anreas Ahrens, Course Coordinator from University of Applied Sciences, Technology, Business and Design, Wismar - Germany visited GTU to discuss in detail on Joint Master Degree Program in Information and Electrical Engineering at University of Wismar. Dr. Akshai Aggarwal, Vice Chancellor, GTU discussed possibility to enrol Ph. D. students from Wismar University at GTU. Dr. Rajul Gajjar, Dean, Faculty of Engineering, GTU discussed possibility for GTU students to join Master's Program at Wismar University.

6.4 Seminar on Lessons from the Joint Projects with DHBW, Germany on Cooperation Management

On 18th August 2014 CGBS has organized a seminar on “Lessons from the Joint Projects with DHBW, Germany on Cooperation Management”. **Dr. Ramesh Shah, Professor at DHBW Germany** had addressed the faculty members from various MBA institutes of Gujarat as a Key Note Speaker. He shared his experience as a one of the core research committee member of the particular joint research project carried out by GTU and DHBW, Stuttgart, Germany.



As a part of the event, a book on the research project and its outcome has been released by Dr. Ramesh Shah and Dr. Akshai Aggarwal. During this seminar, Dr. S. O. Junare, Dean MBA, GTU and Dr. Rajesh Khajuria, Member, Syllabus Committee, GTU has graced the seminar and shared their valuable experience of the joint research project as a committee members.

7. GTU INITIATIVE WITH CHINA

7.1 MOU between GTU and Huazhong University of Science and Technology



Looking at the widening scope of GTU at international front, Delegation from The Huazhong University of Science and Technology (HUST), China has visited GTU on 13th August 2014. The delegation visited 3 renowned Universities of India including GTU to explore the possibilities to have a collaborations with reputed Indian Universities.

The delegation was led by Ms. Annie Zhao, Vice Dean, School of International Education and Mr. Ai Xiao, Head of Admission. Mr. Dhanajay Shah, founder CEO, Moksh Overseas Education has accompanied the delegation and the visit was coordinated by Dr. Indrajit Patel, BVM Engineering College, Vallabh Vidyanagar.

On 17th September 2014 GTU had signed MOU with HUST, China.

7.2 MoU between GTU and Jiangsu University

As an expansion of the international relationship, on 17th September 2014 GTU had signed the MoU with JANGSU University, located at Zhenjiang, China with the coordination of Dr. Indrajit Patel, Associate Dean, GTU. Both the universities have signed the MoU to facilitate the students and faculty exchange programs as well as the joint research projects.

7.3 Visit of delegation of Yalong, China at GTU

On 28th November 2014, a delegation from Zhejiang Yalong Educational Equipment Joint-Stock Co., Ltd visited GTU in leadership of Mr. Jiquan Chen, Chairman of the company. The delegation had a meeting with Dr. Akshai Aggarwal and member of CGBS along with Deputy Director Mr. Naresh Jadeja, Yalong is a leading company in China dealing with manufacturing and selling of educational equipment and have a specialization in automobile and electronic



equipment. The discussion has been done on GTU's plan to establish the Skill Development Workshops at each zones and how, the company can help GTU in this task. On request of the company, GTU also agreed to help in developing the software solutions for the company.

It is to be noted that in December 2013, GTU has signed the MoU with SIAS International University of China and initiated the academic relation with Chinese Universities.

8. GTU INITIATIVES WITH JAPAN

8.1 Visit of Japan External Trade Organization (JETRO) delegation at GTU

JETRO delegation from Japan visited GTU on 22nd July 2014. The delegation has discussed the various



opportunities for the expansion of Academic and Academic– Industry Interaction between GTU and Japanese organizations.

8.2 Visit of Delegation from FUJITSU, Japan

Japanese Delegation consist of top 31 officers from 9 countries along with the President of the Fujitsu University visited GTU on 16th October 2014.



Please visit: http://www.gtu.ac.in/Media/Oct_14/16102014.pdf for the press release on the event.

8.3 Meeting with Ichishin Holdings Co. Ltd. for Japanese Language Course

Ms. Mana Tanaka, Manager Ichishin Holdings Co. Ltd. along with Mr. Kohei Takiguchi, Japanese Instructor at PDPU visited GTU to discuss about Japanese language course for MBA students who are studying Japan as country of study for GCSR.

9. GTU INITIATIVES WITH AUSTRALIA

9.1 Meeting with the delegates of South Australian Universities

A networking event with the delegates from the South Australian Universities/ Institutions was organized on Wednesday, 19th November 2014 at Hotel Hyatt, Vastrapur- Ahmedabad. The objective of event was to enhance networking and collaboration possibilities.

The main participating Universities/Institutions were The University of Adelaide, Flinders University, The University of South Australia, The South Australian Institute of Business and Technology (SAIBT), Bradford College, Eynesbury College, TAFE South Australia. From Gujarat Technological University, Mr. Hiren Thakar and Dr. Jyoti Srivastava attended the event.



10. GTU INITIATIVES WITH VIETNAM

10.1 Visit of Vietnam delegation



HIS EXCELLENCY MR. NGUYEN DINH XUNG, MEMBER STANDING COMMITTEE, THANH HOA PROVINCIAL PARTY- Vietnam visited with 15 other delegates including **H.E. MR. NGUYEN THANH TAN, AMBASSADOR OF VIETNAM TO INDIA** on 5th August, 2014

11. GTU INITIATIVES WITH RUSSIA

11.1 MOU between GTU and URFU, Russia

As an expansion of the international relationship, on 17th September 2014 GTU has signed the MOU with Ural Federal University (UrFU), located at Ekaterinburg (Russia), with the coordination of Dr. Indrajit Patel, Associate Dean, GTU. Both the universities have signed the MOU to facilitate the students and faculty exchange programs as well as the joint research projects.

12. INTERNATIONAL EXPERIENCE PROGRAM (IEP)

IEP is an initiative of GTU. We have signed the MOU with some renowned universities like, University of Alberta, Canada; Laurentian University (LU), Canada; Kansas State University, USA; and University of Wismar, Germany, DHBW Stuttgart, Germany and SIAS International University, China. GTU arranges the student exchange programs and Summer Internship Programs (SIP) since 2011 for its students where the students visited the above universities in the semester gap and studied the various subjects of their respective courses. More than 500 students from various branches of Management, Engineering and Pharmacy have participated in Summer Internship program till now since 2011.

For more details please visit: <http://international.gtu.ac.in/pages.aspx?p=studentsvisittoforeigncountries>

13. ADDITIONS IN WEBSITE OF CENTRE FOR GLOBAL BUSINESS STUDIES

Centre for Global Business Studies has developed its dedicated website as “<http://international.gtu.ac.in>”. The website is being continuously updated with circulars, reports and latest happening in CGBS. The major attraction of the website is the free access of all GCSR reports from the year 2011-12.

During the last year, team CGBS has launched a comprehensive guidelines in form of 'CGSR Handbook' for students and faculties. One of the important changes in the incorporated guideline was to prepare a separate report by each group of students on a particular industry of the country. So, for the reports of 2013-14 and onwards, an additional option is inserted in the website by which the viewers and readers can filter and access the GCSR reports by type of Industry also.

CENTRE FOR GLOBAL BUSINESS STUDIES
Gujarat Technological University

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LATEST NEWS

19 Nov 2014
Announcement of International Experience program- 2015 at

A part from this, CGBS has initiated an e- Newsletter, namely, 'Global Study News Network'. So, a link for the "GSN e Newsletter" is also added in the Navigation pan of the website.

14. NEWSLETTERS:

14.1 "ANANTYAM"- Volume I Issue III

<http://gtu.ac.in/ABP/ANANTYAM%20VOL.%20I%20ISSUE%20III.pdf>



14.2 Indo Canadian Newsletter Issue II

<http://international.gtu.ac.in/userfiles1/file/Indo%20Canadian%20Newsletter%20Vol%20I%20Issue%20II.pdf>



14.3 Global Study News Network (GSN) E Newsletter

<http://gsn.gtu.ac.in/user/home.aspx>

15. JOINT RESEARCH PROJECT

15.1 Joint research project on “Study on Relative Impact & Objectivity of Different Media” in collaboration with DHBW, Stuttgart, Germany.

The PG research centres of Faculty of Management at GTU have launched one innovative program for MBA students and faculties. The program is named as 'Multi Location Collaborative Learning (MLCL)' to accomplish the goal of making the management students globally competitive.

As a start-up of MLCL at GTU, Indo-German Study Centre has initiated a joint research project on Study on Relative Impact & Objectivity of Different Media in collaboration with DHBW, Stuttgart, Germany.

The first phase of the project has been started in the month of March 2014, with a study on the “Relative impact and Objectivity of Different Types of Media” on political parties involved in the Indian Parliamentary Elections of 2014.

For detailed Research Project Report, kindly visit:

http://www.gtu.ac.in/circulars/14May/14052014_04.pdf

15.2 MLCL project on “Studying the Democracies of the World”

Gujarat Technological University has taken up the research project to develop an understanding of the system of democracy, by studying the democracies in action in countries, small and big.

The research has already brought together 9 faculty members and 40 students from 8 Colleges of GTU. Dr. Ramesh Shah and his students from DHBW, a German University, were invited to join the research project on 10th of February 2014 and the acceptance was received through the Professor from two German Universities on June 16, 2014. GTU have started discussions with a few Universities in other countries to become a part of the study.

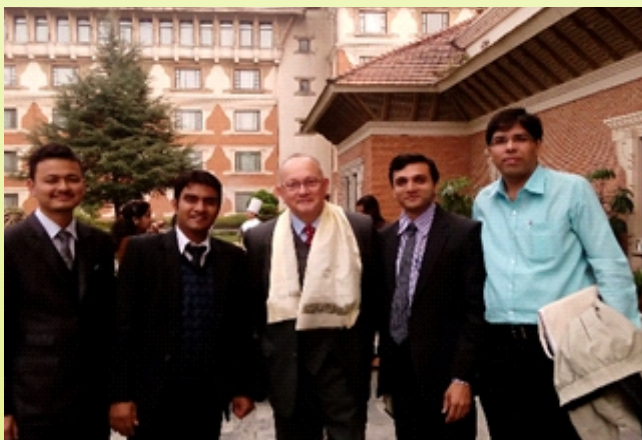
Objectives of the Project:

1. To study the history and evolution of the Democracy
2. Impact of Democratic developments on various civilizations
3. To find the scope for further improvements in the existing democracies across the globe.

16 PARTICIPATION OF CGBS IN VARIOUS EVENTS

16.1 Participation in International Conference at Kathmandu, Nepal

International Conference on Contemporary issues and challenges in Management (UIC-CICM-2014) was organized by - Uniglobe Management College, affiliated to Pokhara University, Kathmandu, NEPAL on 17-18 November, 2014.



Chief Guests were **Honorable Chitralekha Yadav, Minister of Education, Govt. of Nepal** and **Prof. Boguslaw Zaleski, Professor, University of Warsaw & Ex-Deputy Foreign Minister of Poland**.



Participants were from India, UK, Poland, South Korea, Bangladesh & Nepal. Participating Universities were Gujarat Technological University, Jawaharlal Nehru University, Utkal University, Jai Narain Vyas University, Assam University, Dibrugadh University, Saurashtra University, Andhra University from India; Tribhuvan University, Pokhara University from–Nepal, Centre for Japanese and East Asian Studies-UK, University of Warsaw from – Poland, Yeungnam University from – South Korea, University of Dhaka from –Bangladesh. Dr. Kaushal Bhatt and Mr. Keyur Darji represented CGBS, Gujarat Technological University in the conference. Dr. Kaushal Bhatt presented a research paper on Banking and Mr. Keyur Darji presented a research paper on International Trade.

16.2 Participation in seminars on doing business with foreign countries at AMA



Team CGBS, Dr. Kaushal Bhatt, Dr. Sarika Srivastava and Mr. Keyur Darji actively participated in the programs on International Business for Japan, South Africa, Vietnam and South Korea organized by AMA Ahmedabad to understand the business opportunities with respective countries.

16.3 Participation in Round Table meet with H.E. Mr. Venkatesan Ashok, Ambassador of India to the Czech Republic and Consul General of India (Designate) to San Francisco at PDPU

On 27th October 2014, Team CGBS has participated in the round table meet with **H.E. Mr. Venkatesan Ashok, Ambassador of India to the Czech Republic and Consul General of India (Designate) to San Francisco** in leadership of Honorable Vice Chancellor Dr. Akshai Aggarwal along with Dr. K N Sheth, Dean, Interdisciplinary Research, GTU and Mr. Naresh Jadeja, Deputy Director GTU. Vice Chancellors, Registrars and Principals from other 10 to 12 Universities also participated in the meeting.

The objective of meeting was to deliberate and explore international collaboration opportunities including academic and scientific exchange with the institutes based in San Francisco, United States.

Dr. Aggarwal shared various initiatives of GTU in field of innovations and research while, Mr. Keyur Darji shared the various initiatives taken by CGBS towards the internationalization of GTU to H.E. Mr. Venkatesan Ashok.

16.4 Participation in “France Admission Tour” organized by Campus France

Embassy of France in India and Campus France in India organized the winter edition of Admission Tour 2014 in Chennai (Oct 14), Bangalore (Oct 16) and Ahmedabad (Oct 18). French representatives of elite schools met prospective candidates on a one-to-one basis. Team members of Centre for Global Business Studies (CGBS) visited French Universities during their stay at Ahmedabad on 18th October 2014 at Radisson Blue Hotel and had the discussion on the opportunities of establishing academic and research oriented relationship with each other.

17. REPORTS PUBLISHED BY CGBS

1. National Day Celebration of Sri Lanka and Iran at GTU
<http://www.gtu.ac.in/circulars/14March/05032014.pdf>
2. National Day Celebration of Mauritius and Bangladesh at GTU
<http://www.gtu.ac.in/circulars/14Apr/09042014.pdf>
3. National Day Celebration of Tunisia and Hungary at GTU
http://www.gtu.ac.in/circulars/14Apr/16042014_01.pdf
4. National Day Celebration of Zimbabwe and Syria at GTU
<http://international.gtu.ac.in/userfiles1/file/Zimbabwe%20and%20Syria%20Report.pdf>
5. DHBW - Stuttgart German Students' Visit to GTU
http://www.gtu.ac.in/circulars/14Apr/21042014_04.pdf
6. Report of 2nd Afro-Asian Conclave organized at GTU on 19th July 2014
http://www.gtu.ac.in/circulars/14Aug/20082014_01.pdf
7. Visit of Vice Dean of Huazhong University of Science and Technology (HUST), China at GTU on 13th August 2014
<http://www.gtu.ac.in/circulars/14Aug/22082014.pdf>
8. Report - National Day Celebration of Uruguay, Indonesia, Afghanistan and Ukraine at GTU
http://www.gtu.ac.in/circulars/14SEP/03092014_02.pdf

9. Report - National Day Celebration of Malaysia, Uganda, Mexico and Brazil on 7th September, 2014 at GTU
http://files.gtu.ac.in/circulars/14SEP/12092014_04.pdf
10. Report - National Day Celebration of China, Germany, Malta and Chile at GTU
http://files.gtu.ac.in/circulars/14Oct/14102014_08.pdf
11. Report - National Day Celebration of Zambia, South Korea, Austria and Turkey held on 11th October 2014 at GTU
<http://files.gtu.ac.in/circulars/14Oct/15102014.pdf>
12. Report - National Day Celebration of Angola, Myanmar, Cambodia and Turkmenistan held on 15th November 2014 at GTU
http://files.gtu.ac.in/circulars/14DEC/03122014_02.pdf

18. DIGNITARIES VISITED TO CGBS during January December 2014

18.1 Indian Delegates:

Mr. MANOJ, EXECUTIVE DIRECTOR ELECTROTHERM (INDIA) LIMITED graced the National Day Celebration of Sri Lanka and Iran on 8th February 2014

Ms. PARUL DAFTARI, ENTREPRENEUR, graced the 8th FDP on New Electives and Specialization of MBA as an expert speaker for the event.

Mr. S. RAJARAM- CEO, ERHARDT LEIMER INDIA PRIVATE LTD graced the National Day Celebration of China, Germany, Malta and Chile on 21st September 2014

Mr. RAJAN PUROHIT, HEAD OF INTERNATIONAL OPERATIONS, GANAPAT UNIVERSITY, Ahmedabad graced National Day Celebration of Angola, Cambodia, Myanmar and Turkmenistan on 15th November, 2014

Mr. K.H. PATEL, FORMER INDIAN HIGH COMMISSIONER TO UGANDA AND AMBASSADOR TO RWANDA AND BURUNDI & BOARD OF ADVISOR, GCSR attended Celebration of National Days of China, Germany, Chile and Malt at GTU on 21st September 2014

Mr. SUNIL MODI, MEMBER - BOARD OF ADVISOR, GCSR attended Celebration of National Days of Zambia, South Korea, Turkey and Austria at GTU on 11th October 2014.

Mr. JAGAT SHAH, CHAIRMAN REPRESENTATIVE OF GOVERNMENT OF MANITOBA, CANADA TO INDIA graced National Day Celebration of Angola, Cambodia, Myanmar and Turkmenistan on 15th November, 2014.

Ms. BHAGYESH SONEJI, CMD AMEDA PHARMA PVT. LTD., CHAIRPERSON ASSOCHAM GUJARAT attended Celebration of National Days of China, Germany, Chile and Malt at GTU on 21st September 2014.

Mr. N K GOYAL, PRESIDENT, CMAI ASSOCIATION OF INDIA AND BOA - GCSR MEMBER, graced National Day Celebration of Afghanistan, Indonesia, Ukraine and Uruguay on 23rd August, 2014.

Dr. SAURABH MEHTA, HOD VIT ENGINEERING COLLEGE, MUMBAI graced Celebration of National Days of Zambia, South Korea, Turkey and Austria at GTU on 11th October 2014.

Dr. SHIVENDRA GUPTA, INDEPENDENT EDUCATIONAL ADVISOR, SURAT graced National Day Celebration of Angola, Cambodia, Myanmar and Turkmenistan on 15th November, 2014.

18.2 Foreign Delegates:

Dr. VASU APPANNA DEAN, FACULTY OF SCIENCE, LAURENTIAN UNIVERSITY, CANADA visited GTU on 1st March 2014 as a speaker in the National Day Celebration of Mauritius and Bangladesh.

PROF. OMRI, FACULTY OF BIOCHEMISTRY AND PHARMACOLOGY, LAURENTIAN UNIVERSITY, CANADA graced the National Day Celebration of Mauritius and Bangladesh on 1st March 2014.

HIS EXCELLENCY Mr. TAREK AZOUZ, AMBASSADOR OF THE REPUBLIC OF TUNISIA to INDIA graced the Celebration of National Days of TUNISIA AND HUNGARY as a Chief Guest on 30th March 2014 at GTU.

HIS EXCELLENCY Mr. SHAI DA MOHD. ABDALI, AMBASSADOR OF AFGHANISTAN to INDIA graced the 2nd Afro Asian Conclave on 19th July, 2014 as a special guest of the event.

HIS EXCELLENCY Mr. RIZALI W. INDRAKESUMA, AMBASSADOR OF INDONESIA to INDIA graced the 2nd Afro Asian Conclave on 19th July, 2014 as a special guest of the event.

HIS EXCELLENCY Mr. NDUBUISI V AMAKU, HIGH COMMISSIONER OF NIGERIA to INDIA attended the 2nd Afro Asian Conclave on 19th July, 2014 as a special guest of the event.

HIS EXCELLENCY DR. LEWIS MBILIZI, DEPUTY HIGH COMMISSIONER OF MALAWI to INDIA attended the 2nd Afro Asian Conclave on 19th July, 2014 as a special guest of the event.

HIS EXCELLENCY MR. NGUYEN DINH XUNG, MEMBER STANDING COMMITTEE, THANH HOA PROVINCIAL PARTY, Vietnam visited with 15 other delegates including H.E. MR. NGUYEN THANH TAN, AMBASSADOR OF VIETNAM to INDIA on 5th August, 2014

Ms. ZHAO XIOFENG, DY. DEAN, HUAZHONG UNIVERSITY OF SCIENCE AND TECHNOLOGY (HUST), China visited with MR. AI XIAO, HEAD OF ADMINISTRATION (MASTER'S PROGRAM), HUST on 13th August, 2014

Dr. RAMESH SHAH, PROFESSOR, DHBW GERMANY, graced "A Seminar on Lessons from the joint projects with DHBW, Germany on Cooperation Management" on 18th August, 2014.

PROF. SIMARJEET SAINI, WATERLOO UNIVERSITY, CANADA with Mr. Harjeet Bajaj, CEO of Canada International Trade Services Incorporation visited GTU on 27th August, 2014

JAPANESE DELEGATION consist of the top 31 officers from 9 countries along with the President of the Fujitsu University visited GTU on 16th October 2014.

Ms. ABHAMARYADA BANERJEE, FIRST INTERNATIONALLY ACCLAIMED WOMEN MOTIVATIONAL SPEAKER graced the National Day Celebration of Malaysia, Uganda, Mexico and Brazil on 7th September, 2014

Mr. J. F. GANGA, Minister-Counsellor, Embassy of Angola graced the Celebration of National Days of Angola, Myanmar, Turkmenistan and Cambodia as a Chief Guest on 15th November 2014 at GTU.

19. FUTURE PLANS

Following are some proposed activities for 2015.

19.1 Indo East- Asian Study Centre and Trade facilitation Centre

The '**Indo-East Asian Study Centre**' will fulfil the need for an authentic center of study and information about East Asia in India. It would host visiting Professors, Writers, Creative Artists, Media Personalities, Diplomats, Statesmen and Delegations from Universities and Industries. It would also help businesses in East Asia to establish mutually beneficial interactions with businesses in Gujarat/ India. Lastly it would be able to organize public events and lectures bringing scholars, diplomats and politicians from all over the world to the campus. This Centre will establish relationships with other similar centres in the world and it hopes to become a magnet for visiting scholars from East Asia and to encourage mobility of faculty, researchers and students. The center will maintain an active liaison with the officers at the embassies, who work for development of cultural relations between India and East Asian countries.

Trade Facilitation Centre for East Asia:

- Creating a platform to encourage business community to actively participate and deliberate in bilateral trade related issues as also the opportunities.
- Developing a directory of contacts (sector/industry wise) to help interested businessmen in finding out the right kind of people.
- Developing a whitepaper (quarterly/biannually), which talks about new areas of business, critical evaluation of policy changes, suggestions for improving policy matters, sector/industry wise predictive analysis etc.
- Inviting trade delegations to Gujarat to show Indian Industry's best practices
- Taking trade delegations to East Asian countries to see East Asian best practices
- Arranging technology transfer & buyer seller meets
- Arranging conferences & match making for joint ventures & investments

19.2 National Day Celebrations of GCSR Countries

GTU organizes regularly during both the semesters from August to November and from February to May the Celebration of National/Independence Days of GCSR Countries. GCSR program is, by far, the largest such program of any University. We have celebrated National days of **31 countries** from August 2013 to November 2014. On the same line we are going to celebrate National Days in 2015.

19.3 School for Foreign Languages

Centre for Global Business Studies is planning to start the School for Foreign Languages from February 2015 at GTU.

The School may start with few most important languages like, Chinese, Japanese, Korean, Thai, Malay, German, French and Swahili. The other languages will be added gradually on the establishment and progress of the School.

As, CGBS is having a largest Country Study Program GCSR in which students studies a particular country throughout the last year for identifying bilateral trade opportunity, it is crucial that the students of MBA also study and learn the language of their country of study. As, the international business opportunities are growing and India is making its strong footprints among the developed countries as a biggest market, GTU wants that its MBA should be well equipped with all such necessary competencies which enable him/her to get best jobs after the graduation.

GTU is also having a big mass of engineering students. Majority of the industries of Gujarat are expanding their businesses overseas and many of the Foreign Companies are setting up their manufacturing facilities at Gujarat. So, the School for Foreign Languages will be proved as a Key of the Success for the Engineering Graduates also,

because, along with the technical skill, the knowledge of the languages like, Chinese, Japanese, Korean, German etc. will add an edge to their overall skills.

The University will also welcome all other aspirants from general public to enrol for the language schools, who have a need and enthusiasm to learn the foreign languages.

19.4 Course on Asian Business

CGBS is planning to initiate an elective course on Asian Business for MBA Semester IV students from January 2015 onwards. The entire course is based on case studies and at the end of the semester students are supposed to submit a report for evaluation. Looking at the geographical spread of all MBA institutes members of CGBS are planning to start this course on e-learning platform.

Prepared by:
Mr. Keyur Darji
Dr. Sarika Srivastava
Dr. Kaushal Bhatt



Center for Business Ethics and CSR

4th
ANNUAL
CONVOCAION
Thursday, 22nd January, 2015

The CBECSR through its studies and research can become the transforming seed that changes both the economy and education. The Centre is a place for 'Technological Reflection and Dialogue' for rediscovering "WISDOM", so that we could use our technical and human educational skills to build a much wiser world. We need "Phronesis", Aristotle's notion of "practical wisdom," or an understanding of the Sattvic person.

The objective of CBECSR is:

- To promote Value based Education and Training
- To assess the presence or absence of ethical behaviour in relationship between a Business and its stakeholders
- To develop ethical standards for the Codes of Conduct in the stakeholders, and
- To undertake all other activities which are necessary for the promotion of ethical behaviour between and among the members of the society.
- To help Indian corporate be among the top 100 in the context of CSR index

To move a small step towards this vision GTU CBE CSR organizes seminar, Conferences, workshops every year.

Conferences in the Business Ethics & CSR

1. On 25-26 September 2010: **First National Conference on "Business Ethics for Global Success of Indian Businesses"**

Detail Report is available on:

<http://www.gtu.ac.in/Conference/Successful%20completion%20of%20Business%20Ethics%20for%20Global%20Success%20of%20Indian%20Businesses.pdf>

For Journal and Publications visit on: <http://www.cksvim.edu.in/research-a-publication/sankalpa-journal>

2. On 22-23 September 2011 **Second National Conference on "Business Ethics & Corporate Governance"**

Detailed Report is available on:

[http://www.gtu.ac.in/Conference/Conference_Report%20Final%20to%20GTU-FGI-CKSVIM%2029%2009%202011%20\(3\).pdf](http://www.gtu.ac.in/Conference/Conference_Report%20Final%20to%20GTU-FGI-CKSVIM%2029%2009%202011%20(3).pdf)

3. On 8-9 February 2013 **Third International Conference on Business Ethics, Governance and Sustainable Enterprises.**

Detailed Report is available on

<http://www.gtu.ac.in/circulars/13Mar/13032013.pdf>.

Seminars / Faculty Development Programs

1) **6th September, 2014:** 4th Annual leadership Excellence summit at GTU, Chandkheda Campus, Ahmedabad. Mr R. Sunilkumar addressed on "Leaders do unlock uncertainties.". He had started his session by giving examples of successful companies and their leaders such as Walter Elias Disney, Walt Disney, Steven Spielberg, Star Bugs, Amul, Bharti Airtel, Genpact, etc. Dr. Shailesh Thaker is an internationally recognized leadership expert, management thinker and Motivational trainer. He presented on, Talent: Reach out to next level. Ms. Abha Maryada Banerjee, avers on "Leadership beyond the Call of Duty".





1) **25th Nov. 2014:** Workshop on “**Quality Improvement in Research**” by Dr. Charles Savage. Around 20 management research scholars of GTU had participated in the workshop to discuss about the research methodology, citation management and solve the queries of research work.

1) **26th Nov. 2014:** Workshop on “**Emerging Trend in the field of Engineering & Management**” by Dr. Charles Savage. Around 16 International Students of GTU from different disciplines had participated in the workshop. Dr. Charles talked about breaking of magging practices and he use the recent concept of group dynamics for learning.



1) **28th/29th Nov. 2014:** International Seminar on two days International Seminar on “**RE-DISCOVERING THE ETHICS AND VALUES**” - That Release the Co-creative Talents. The Seminar was focused on different themes mentioned below:



- “Why should I be Good in the Bad world?” by Sadhu Brahmaviharidasji,
- “Ethics for Personal & Professional Excellence” by Dr. SatishBatra ,
- “Integrating Economy with Ethics in an Enlightened Way” by G. Narayana (Guruji),
- “Ethics and Decision Making” by Mr.Naganandji, Trainer, Bombay
- “Digital Revolution and Deeper Wisdom of India” by Dr. Charles Savage &Dr. CSR Prabhu, -
- “Principle Centric Leadership: Myth or Reality?” by Dr. Shailesh Thaker.

Over all two day's seminar was very interesting and successful. Many faculties have realised the importance of values and ethics which will be benefitted to their society through their research work.

Upcoming Activity:

- 4th International Conference on 'Business Ethics, Governance & Sustainability' on 6th & 7th February, 2015.
- Inviting Cases on Anti corruption practices in enterprises to prepare a case booklet and have round table conference on 7th February, 2015.
- Initiate Ethical Democratic Leadership Program.
- Establish CSR Clinic at GTU

Prepared by:
Mr. Rajesh Ramani
Ms. Krutika Raval



PROJECT MANAGEMENT IN CHEMICAL ENGINEERING

4th
ANNUAL
CONVOCAATION
Thursday, 22nd January, 2015

As GTU is going to start this course with this objective:

Project management is a methodical approach to planning and guiding project processes from start to finish. This course introduces the systems, tools and techniques that can be used to facilitate the management of engineering projects. This course will help engineers to improve their project management skills.

It clearly demonstrates the range of systems that can be deployed, providing a structured approach to delivery and for managing the various issues that inevitably arise throughout the project life-cycle. It will be equally useful to engineering students and faculty.

Learning outcomes

- Understand best practice for managing and controlling an engineering project.
- Learn how to take a structured approach to project delivery.
- Increase your confidence in managing issues throughout a project life-cycle.
- Effectively monitor, control and report project costs, the scheduled and quality /performance levels needed to meet agreed milestones and required levels of earned value.
- Apply management principles to the educational system.
- Provide effective leadership and promote a true environment that will help motivate team members and resolve conflicts.

The complete solution involves much more than just technical calculations. Issues such as scheduling, scope, quality, safety and costs must always be addressed.

Prepared by:
Ms. Reema Parekh
Ms. Jignasha Acharya



Center for Environment & Energy Efficiency Tools (CE3T):

4th
ANNUAL
CONVOCAION
Thursday, 22nd January, 2015

Objectives of GTU for the centre: Centre's focus is on improving the environment & energy efficiency tools for using developing methodical approach for guidelines to integrate renewable energy source and improvement in efficiency tools for the betterment of the society by different technologies and also to reduce pollution by means of renewable energy or using the blends of different fuels in to the engines or machineries. Centre is also planning to get the help from the experts in these areas.

Prepared by:
Prof. Jatin Thakrar
Prof. Gagandip Singh



School for Industrial Design

4th
ANNUAL
CONVOCATION
Thursday, 22nd January, 2015

GTU has established a School for Industrial Design besides with other 14 PG Research Centers to lead and manage the design-oriented learning processes at all its Colleges. The Center will also help the industries improve its design processes and it may accept consultancy assignments for design. While the Consultancy projects may help the industry, the objectives during the initial years would be to build and improve capacities among the faculty members. Secondly such projects would provide opportunities to the students to work on real-life projects.

GTU has set up 25 GTU Innovation Sankuls to bring all the 167 industrial estates into active collaboration with GTU's affiliated Colleges. In every field, GTU is creating strong networks among Colleges to build their capacities and to improve the quality education to fulfill industrial needs. This model of a hub at GTU and spoke for networking and strengthening the Colleges is being used widely by GTU. GTU proposes to follow the same model at the School of Industrial Design by setting up an Open School of Design for building capacities all over the State. The School will work as the Hub, with spokes going through the twenty five Sankuls towards all the 167 industrial estates.

Development of Design-Based And Project-Based Learning System at GTU:

On 2nd February 2012, (The first cohort of 4-year degree engineering students graduated in May 2012.), GTU started the process of updating its syllabi. It was decided to develop a design-based learning system, so GTU has introduced a very new, innovative - Design Engineering subject in 3rd semester, it is a first of its kind initiation in Indian Education System. (In Chemical Engineering and in IT, one uses the term 'Project-based Learning' for a similar idea.). A strong 6-semester spine of Design Engineering has been included in the syllabi. At GTU, the processes of designing the project at the Final year and of the spine of Design Engineering, from third to eighth semester of degree engineering programs, have been synchronized in the interest of seamless progression of learning.

Center/School for Industrial Design is engaged in motivating design driven innovation at GTU. Final year projects are the capstone of GTU Engineering. It is the learning from these projects that help students connect their academic understanding with industry's requirements. Today, young engineers are required to develop new technologies and applications continuously.

To move a step forward in this direction GTU - Centre/School for Industrial Design has conducted a series of seminars/workshops to sensitize the design driven innovation intervention for 3rd semester and final year projects and create a frame work for the same

Some of the initiatives for strengthening the activities of Centre for Industrial Design are given below: (Reports and results of all of the following activities are available on the web-site of GTU)

- The Vice-Chancellor discussed about the issue of Design-based and Project-based learning for the new syllabi at the Syllabi Committee in August 2012.
- GTU took some baby steps in the syllabi of the 1st sem. syllabi, designed by the Syllabi committee chaired by Prof. Nilesh Bhatt and implemented in Aug 2013.
- GTU created the document of Open Design School.
- GTU took the help of Mr. Rohit Swarup, for a few workshops on Design. (<http://www.gtu.ac.in/circulars/13Jul/3072013.pdf>)
- GTU planned the Design Sessions in Nov 2013 and organized them as a part of the 2-days Seminar on 8th-9 Jan⁹th Jan 2014. Experts in Design Engineering from all over the country were invited to present their views on how Universities could permeate design engineering into the whole of the engineering syllabi. Prof C. Amarnath IIT Bombay along with him, Prof. Amresh Chakra-borty, Prof. Manohar Swami invited and helped understand their ideas of Design.

- Prof Nilesh Bhatt's Committee designed the syllabi for the 2nd Year.
- Prof C Amarnath gave sample problems on 9th February, 2014.
- GTU organized workshop on “Changing Characteristic of Engineering Education”. Prof P.V.M. Rao (IIT, Delhi) delivered a workshop (Report on <http://files.gtu.ac.in/circulars/14SEP/25092014Workshop%20on%20bridge%20by%20pvm%20rao%20August%202014.pdf>)
- GIC worked on canvases at S4 and the idea turned out to be something which engaged the students' and Faculty Members' interest.
- It turned out that ideas of empathy, Ideation and product development led naturally to design thinking. Then to add Business Model to this development created additional value and a continuum with the Final Year project.
- GTU hit the bull's eye by integrating the whole of the process by bringing canvases to design. 41 Faculty Members from various branches worked in seven sessions. (Report on http://files.gtu.ac.in/circulars/14SEP/25092014_01.pdf)

More information about GTU's initiative for Design Oriented and Project Based Learning can be found on <http://files.gtu.ac.in/circulars/14SEP/25092014Centre%20for%20Industrial%20Design.pdf>

The core of the FDP organized in the year 2014 was defined in three parts.

- Understanding of subject & Evaluation scheme
- Hands on exercises for the canvases (Empathy, Ideation, Product development) & team to team mentoring
- Case study by video & Report

Mr. Yash Saxena, Prof. Bhaskar Bhatt and Prof. Rohit Radhakrishanan have contributed significantly throughout 8 Faculty Development workshops organized in the months of August - November, 2014. A Design Session to learn from the experiences of adding design engineering in Semester 3 was organized on 22nd November, 2014 and on 3rd December, 2014.

In Aall, 590 faculty members have been trained for Design Thinking Methodology from approx. 115 Engineering colleges and 20 Engineering disciplines throughout Gujarat state.

Memories of Faculty Development Workshop on Design Engineering:



Various Glimpses of FDP activities like -Mentor explaining details of Design Thinking and Canvases



Teams are busy in making their Canvases

Prepared Report Compiled by:
Mr. Prof. Karmjitsinh Bihola,
Mr. Prof. Gagandip Singh Khanduja,
Ms. Prof. Jignasha Acharya,
Ms. Prof. ReemaParekh
Assistant Professor- School for Industrial Design



Center for Governance Systems (CGS)

GTU has started working on a Monitor for Good Governance, which will make it possible to objectively determine how well the governance systems are working. It is initiating studies in the field of Governance System in Businesses, Industries, Universities, Hospitals, NGOs and Governments. So that it might be able to help organizations improve their working through new policies or modifying existing policies and protocols and through creating or modifying management structures.

Vision of CGS

Be a leading Centre of Excellence in Research, Teaching, Training and Advocacy in the field of Governance through capacity building, knowledge creation, and dissemination.

Objectives of CGS

- To make the students/researchers/practitioners aware about the Governance practices followed by various Businesses, Industries, Universities, Hospitals, NGOs and Governments.
- To take up joint research projects where-in students from GTU Colleges work along with the students in other countries to prepare studies about working of similar organizations in their respective countries
- To study, research and train managers in effective governance practices followed by various businesses, Industries, Universities, Hospitals, NGOs and Governments.
- To compare the governance system of Indian industry/sector/business with the developed nations' counterparts and to develop the governance models.

WORKINGS OF CGS @ 2014

During the year 2014 (Jan - Dec), GTU's Centre for Governance System executed following projects in the area of Governance:

2nd International Conference on Corporate Governance: Contemporary Issues & Challenges in Indian Economic Environment (ICGS-2014).

- GTU CGS successfully organized the 2nd International Conference on Corporate Governance: ICGS-2014 during March 14-15, 2014 at GTU Chandkheda Campus, Ahmedabad.
- It has received 284 abstracts and 230 full papers. After a peer review, 68 papers were sent for publication in the book titled “Corporate Governance: Contemporary Issues & Challenges in Indian Economic Environment” (ISBN: 978-93-5122-000-8) (680-pages).



- ICGS-2014 has also published a book titled “SARANSH” (an introduction to GTU-CGS, 2nd International Conference on Corporate Governance: Contemporary Issues & Challenges in Indian Economic Environment) (160-pages).
- More than 370 researchers have registered for the conference. Many eminent speakers from Blind People Association, Security and Exchange Board of India (SEBI), and MOTIF India have delivered their key note speeches during the plenary sessions.

The detailed report on ICGS-2014, is available online on our web:
http://www.gtu.ac.in/circulars/14Jul/08072014_01.pdf

Key-Note Speakers of ICGS-2014

Mr. Kaushal Mehta CEO, Motif India	Shri Piyooosh Gupta Head, Security and Exchange Board of India (SEBI), Western Region	Dr. ShashankRathod Leading Ophthalmologist, Ahmedabad
Guruji G. Narayana Board Member, Centre for Business Ethics & CSR, Gujarat Technological University	Dr. SamoBobek Professor of Business Information Systems, Faculty of Economics and Business, University Of Maribor, Slovenia	Prof. Bharat Dalal, Honorary Director, CGS, GTU.
Dr. Bhusan Punani Director, Blind People Association, Ahmedabad	Dr. ShaileshThaker, Honorary Director, Center for Business Ethics and CSR, GTU	Mr. Nayan Parikh Management Consultant and president of IIM – Ahmedabad Alumni Association
Mr. Vinayak Chhatre Founder Managing Director of Forbaco Systems and Computer Services P. Ltd., Pune, India.	Dr. Alok Chakrawal, Professor, Department of Commerce and Business Administration, Saurashtra University and Former General Manager of SaurashtraKach Stock Exchange, Rajkot.	Dr. JayrajsinhJadeja, Dean – Faculty of Management, M S University, Baroda

CEOS IN THE CLASSROOM A DIALOGUE TO FOSTER INNOVATION AND GROWTH

On Saturday, 2nd August 2014 at Conference Hall (B-0), Gujarat Technological University, Ahmedabad.

- CEOs in the Classroom was organized by the PG Research Centre for Governance Systems, Gujarat Technological University (GTU), in association with Global Talent Track (GTT), Pune to bring in unique opportunity to interact with a high powered panel comprising of industry leaders well known for their thought leadership and innovative ideas for growth and transformation.
- The seminar was designed to give an opportunity to get an understanding about the emerging industry trends and expectations from the academia to support the industry's quest for Innovation and growth. It was aimed to provide action-based learning experiences that foster leadership development by allowing students and faculty to act, build, reinvent, and interact with experienced leaders across a wide span of industries and prepare for the future.

- More than 180 Under Graduate and Post Graduate students from Engineering, Management and Pharmacy have participated in this event.

KEY NOTE SPEAKERS OF CEOS IN THE CLASSROOM

- Dr. Janme Jaya, Chairman, Boston Consulting Group, India
- Dr. Ganesh Natarajan, Vice Chairman, Zensar Technologies and Chairman NASSCOM Foundation
- Vikas Khosla, President, Aditya Birla Insulators
- Dr. Uma Ganesh, CEO GTT

GTU- CGS One Day Seminar on:

SMART CITIES - Quo Vadis?

Venue: GTU Chandkheda Campus, Ahmedabad,

Date: 30th August 2014.

Centre for Governance Systems (CGS) & Center for Infrastructure, Transportation and Water Management (CITWM) together organized for the first time in Gujarat the one day seminar on “SMART CITIES QUO VADIS?”

Quo Vadis? is a Latin phrase meaning "Where are you going?"

LEARNINGS FROM THE SEMINAR:

- More than 350 participants comprising of professors/principals/post-graduate students from various colleges affiliated to GTU from every corner of Gujarat, and other renowned institutes/universities located in Ahmedabad (CEPT University, PDPU, Nirma University, Ahmedabad University, Gujarat University, etc.) and the industry experts from various industries like construction/ housing/ electrical /mechanical/ finance have actively participated in this one day seminar on “SMART CITIES Quo Vadis?”.

- The detailed report is available online on:
http://files.gtu.ac.in/circulars/14Nov/07112014_03.pdf

Subject/Note On	Speaker
Chief Guest Address	Shri Sudhir Mankand, Chairman – GIFT City, Ex-Chief Secretary, Govt. of Gujarat, Gandhinagar
Smart or Smarter Cities: Translating, implementing and valuing the utility of Smart City concepts in India.	Prof. Ian Mell, University of Liverpool, UK.
DHOLERA Special Investment Region ICT Parameters	Shri Dilip Brahmabhatt Senior Manager DMIC and Shri Shardul Thakore Senior Manager SIR & Power GIDB, Gandhinagar
Intelligence & Smart Technology in Smart City Infrastructure	Prof. B V Buddhadev, Principal, S. S. Govt. Engineering college, Bhavnagar. Professor in Computer Engineering
Smart City : Meanings, rhetorics and potential of a travelling concept	Prof. Sejal Patel, Associate Professor at the Faculty of Planning CEPT University, Ahmedabad
Clean Environment Issues in Smart City	Dr. K N Sheth, Dean Interdisciplinary Research, GTU.
Panel Discussions	Chairman: Prof. Saswat Bandopadhyaya, Professor at the Faculty of Planning, CEPT University, Ahmedabad.

RECOMMENDATIONS

1. Smart city is a concept at the stage of development in INDIA. We should not have rigid template for the development. Instead parameters and constraints should be outlined by GoI for development of smart cities in INDIA. Smart City design in Gujarat may be different than the one in Bihar due to differences in socio-economic conditions and physical environment.
2. It is recommended that new satellite towns of Mega Cities should be focused, in India to be considered for Smart City development.
3. Existing Medium size towns/city and towns with unique features like Tourism, education complex or heritage background to be taken up for Smart City Development.
4. Government should formulate financial model for funding the Development of such smart cities under planning.

POINTS TO PONDER

Some of the faculty members and students have asked following important questions:

- 1) Why shouldn't we focus on smart villages rather than focusing on smart cities?
- 2) Environment Protection shall be the top priority in smart city development.
- 3) Zero casualties / Zero loss of life shall be the top priority for policy making in smart cities.
- 4) Smart cities must be equipped with the smart disaster management to fight with all types of natural disasters
- 5) Sustainability and Governance shall be the main goal of smart city; one of the participants explained this with example of Detroit Municipal Bankruptcy in USA. What shall we do, so it does not happen with our future cities?
- 6) Some students raised the concern for loss of Personal Interaction and Culture in these smart cities. What shall be done to preserve the traditional culture in the development of smart cities?
- 7) Some professor asked the questions related to how BU permission for Smart Cities is different from normal cities?
- 8) Some students raised the concern for wild life and eco-diversity protection in smart cities.
- 9) They feel that these smart cities are developed keeping humans in mind and we fail to incorporate the animals, birds, creatures and other eco-diversity in it. So what shall be done to balance this eco-diversity in smart cities?
- 10) Governance and Corruption were also the important issues needs to be taken care of during the development of smart cities.
- 11) One of the students raised the issue of network / power failure, what shall be the alternate remedies during these types of situations, so that our so called smart cities don't stop working.
- 12) Waste management system shall be given the top most priority in the development of smart cities and as compared to global benchmarks at least 90 per cent of the waste needs to be recycled to protect the environment.
- 13) Some of the students asked the questions related to smart city transportation, as this will be back bone of any city infrastructure.

GTU Centre for Governance Systems (CGS) in Association with Space Applications Centre (SAC/ISRO) Ahmedabad organized a Seminar on Mars Orbiter Mission & A Workshop on Research Opportunities at SAC (ISRO), Ahmedabad.

At GTU Chandkheda Campus, Ahmedabad on 15th November 2014.

It was depth knowledge seminar by Shri Kiran Kumar, Director, ISRO so, Faculty member and students were eager to know more about SAC ISRO opportunity. Following Speakers from ISRO shared their technical know-hows with PG students of GTU:

1. **Mr. N. M. Desai Overview of SAC Activities -**

ISRO, SAC, Sat Com (Satellite Communication),
Sat NAV (Satellite Navigation)

He discussed about Main Objectives of ISRO and ISRO in academics, Training and Education through UN-CSSTEAP. Short Term and 9 Month course.



2. **Mr. Ajai, Professor, SAC, ISRO**

He discussed about various about projects and applications in **research areas like Himalayan Snow & Glaciers, Coastal Zone and Ocean Biology, Environmental Applications, Agriculture, Atmospheric and Oceanic science, Remote Sensing - Image Processing, etc.**

He concluded the session by giving brief on success projects such as Chandrayan, Real time Cyclone track prediction i.e. Cyclone Mala, Cyclone Mukda, Gonu.



3. **Mr. Atul Shukla, Group head, DCTG/SNAA, Space Applications Centre**

He discussed about research area in the domain of **Satellite Communication Applications and Navigation Application.**

4. **Mr. Vikas Patel, Head, Respond at SAC.**

Mr. Vikas Patel highlighted on some of the important issues like, Research opportunities at SAC, In-house Research (TDP/R&D), Sponsored Research (Respond/Space Technology Cells in IITS), and Collaborative Research (RS Applications Projects). He also discussed the detailed guidelines related to Process for new proposal ongoing subject and evaluation procedure have also been discussed in detail which has been mentioned below:



CONCLUSION & LEARNINGS:

- 1) Presentation on Mars Orbiter Mission (MOM) was highly appreciated by audience.
- 2) Few technical questions regarding the Blind operation and the reliability of systems were raised and answered by Director of SAC.
- 3) The research option at SAC were discussed during the presentation of Shri Vikash Patel.
- 4) Large number of proposal for research possibility with ISRO were submitted by professors and PhD students of GTU affiliated Colleges.
- 5) Only three of them were selected for presentation during the seminar due to paucity of time. The following three projects gave their presentation to ISRO representatives.
 - A] "Implementation of GPS L5 Signal using Model Based Design Tool" Presented by VIRENDRA PATEL Assistant Professor (ELECTRONICS DEPARTMENT) BHAGWAN MAHAVIR COLLEGE OF ENGINEERING AND TECHNOLOGY, SURAT.
 - B] Multi-Object Optimization of Gaussian Profile Corrugated Horn Antenna based on Swarm & Evolutionary Optimization. Mr. Niraj P. Tevar B.E- E&C (GU-Charotar Institute of Technology, Changa) M.E-Communication System Engg. (GTU-LD College of Engg) PhD - E&C (Pursuing - C.U.Shah University, Wadhvan).
 - C] Big Data Analytics from GTU PG SCHOOL Asst. Prof. Bhadresinh Gohil Asst. Prof. Darshan Patel \ Students of GTU PG School.
- 6) Based on the interest among researches/professors from engineering colleges. It is suggested that small number of research themes complementary to the research areas at SAC shall be identified and persuaded through inter colligates teams. Each of this team may be attached to one center of excellence at GTU.
- 7) One can apply for research proposal anytime during the year, if the proposal would not get through for selection then also it can be resubmitted after necessary technical modification as suggested by SAC-ISRO.
- 8) Reference site for Research Proposal in SAC-ISRO: www.sac.gov.in/respond.
- 9) It is planned to conduct one more workshop with GTU where all the researchers and professor can come up with their research projects. And ISRO representatives have shown their interest to guide those projects and give necessary recommendations for modifications, in order to achieve the prestigious grant of Respond at SAC (ISRO).
- 10) Each of the team as well as individual researches shall be encouraged to prepare proposals for taking up with Space Application Centre (ISRO) for funding under respond program and other platforms.
- 11) Coordinating team for selection of proposals and mentoring the thematic research teams may be formed by Honorable Vice Chancellor Dr. Akshai Aggarwal, for increasing the live projects in the GTU system and in order to earn research grants from prestigious organizations such as SAC (ISRO).

Prepared by:
Prof. Bharat Dalal,
Dr. Kaushal Bhatt
Dr. Ritesh K. Patel,



4TH ANNUAL CONVOCATION Projects

8 Projects

- 8.1 Kotler's Incubator for Ayurvedic Medicines & Research Projects**
- 8.2 Vishwakarma Yojana**
- 8.3 Joint Research Projects with Foreign Universities**
- 8.4 Rural Infrastructure Development Projects (RIDP) under MGNREGA**



Report of Kotler's Incubator Program on Ayurvedic Medicine

4th
ANNUAL
CONVOCATION
Thursday, 22nd January, 2015

Center for Marketing Excellence, GTU has started Kotler's Incubator for Ayurvedic Medicines on 5th May 2012 in the presence of **Shri Jay Narayanvyas**, Honb. Cabinet Minister (Health and Family Planning), Government of Gujarat and **Honb. Dr. Akshai Aggrawal**, Vice chancellor of Gujarat Technological University, Ahmedabad. The incubator is designed to explore new horizons of development for the Ayurvedic system of healthcare, developed by eminent doctors like Charak, Sushrut, Vagbhatt, Agnivesh and others. This is a part of the world marketing summit (WMS) initiative, started by the world's most influential marketing guru **Professor Philip Kotler**. Professor Kotler has initiated the concept of incubator and has set up WMS (World Marketing Summit). About ten renowned universities of the world have come together for research on this mammoth task of making the world better through marketing. The research project was divided into sub areas and project has been designed to help begin research at 45 GTU affiliated colleges. It is also designed to establish working teams of researchers located at different locations. Universities in India will be able to become great only through boot strapping based on collaborative working. Hence this project is an experiment, which aims at inculcating a culture of research, where none existed and to create teams of researchers for achieving a common objective.

As India has been assigned 'Health' as a topic for incubation and establishing K-IAM (Kotler's Incubator for Ayurvedic Medicines), Gujarat Technological University (GTU) has taken initiative for collaborative research among colleges of GTU. The incubation center is meant to explore horizons of development for the great traditional wisdom Ayurvedic Medicines of India.

Since inception till June 2014, total 13 projects have been completed under K-IAM. Previous report was available on web

<http://gtupgcenters.edu.in/Events/Summary%20Report%20on%20K-IAM.pdf>

In the current academic year K-IAM activity is planned to involve Pharmacy faculty and students.

Objectives of Phase II study of K-IAM (2014-2015)

1. Exploration about types of medicinal plants cultivated in different geographical cluster of Gujarat
2. Study of requirement of land, climate and other conditions for growth of different medicinal plants.
3. Study about different medicinal plants in demand by Ayurvedic manufactures.
4. Identification of potential buyer and supplier of crude drugs for business linkage

Methodology

Methodology includes field survey of different geographical clusters of Gujarat wherein information for below mentioned points need to be gathered:

1. Identify the plants available in Gujarat now a days and past availability
2. Make a cluster of each plant and check the availability of it in all over state and divide it in subgroups.
3. Research on land requirement for such plants, and make Feasibility Study for the same.
4. Procedure of conversion into the row material for each plant
5. Value Chain Analysis
6. Feasibility Study
7. Spread Awareness
8. Demand and Supply

Recent Scenario for Ayurvedic Medicines in Gujarat

Selected Plants for the Phase II of K-IAM study (2014-2015):

Serial No.	Botanical Name	Local Name	Part Useful
1.	Adhatodavasika / zeylanica	Vasaka	Leaf
2.	Andrographispaniculata	Kalmegh	Entire Plant
3.	Asparagus racemosus	Shatavari	Roots
4.	Bacopamoniera	JalBrahmi	Entire plant
5.	Boerhaviadiffusa	Punaranava	Entire Plant
6.	Boswelliaserrata	Shallaki	Oleogum rein
7.	Celastruspaniculatus	Malkangani	Seeds
8.	Centellaasiatica	Mandukparni, gotukola	Entire pant
9.	Chlorophytumarundianaceum	Musli	Roots
10.	Cissusquadrangularis	Hadsankal	Entire plant
11.	Commiphoramukul	Guggul	Oleogum rein
12.	Curcuma longa	Turmeric	rhizome
13.	Elipa alba	Bhangro	Entire Plant
14.	Emblicoefficialis	Amla	Fruit
15.	Garciniakombogia	Kokam	Fruit
16.	Glycyrrhizaglabra	Yashimadu	Roots
17.	Mucunapruiens	Kavacha	Seeds
18.	Ocimum sanctum	Tulsi	Entire Plant
19.	Picirrhizakurroa	Kadu	Stolons and rhizome
20.	Sweritiachirata	Kariyatu	Whole plant
21.	Terminaliaarjuna	Arjuna	Bark
22.	Terminaliabellerica	Behda	Fruit
23.	Terminaliachebula	Harde	Fruit
24.	Tinosporacordifolia	Guduchi	Stem
25.	Tribulusterrestris	Gokshura	Fruit
26.	Varun	Varun	Bark
27.	Vitexnegundo	Nagod	Leaf
28.	Withaniasomnifera	Aswagandha	Root

List of Experts involved in Phase II study of K-IAM

- 1) Prof. Malatiben Chauhan, Ex-Dean, Ayurvedic University, Jamnagar
- 2) Dr. S. P. Adeshara, Ex Drug Commissioner, FDCA, GoG
- 3) Dr. D. K. Mehta, Vice President, Vasu Healthcare Ltd., Vadodara
- 4) Dr. LalHingorani, MD, Pharmenza Herbals, Khambhat
- 5) Dr. K. Punderikakshudu, Director, L. J. Institute of Pharmacy, Ahmedabad
- 6) Dr. Mamta Shah, Head & Asso. Prof., Dept. of Pharmacognosy, L.M.C.P, Ahmedabad.

Faculty and students enrolled for Phase II study of K-IAM

Total 22 faculty members along with 110 students of B. Pharm/ M. Pharm from 16 different pharmacy colleges affiliated with GTU enrolled for Phase II study of K-IAM during 2014-2015.



Prepared by:
Dr. Manish Rachchh,
Ms. Krishna Parmar



Vishwakarma Yojana: An approach towards Rurbanization (Phase-II)

4th
ANNUAL
CONVOCATION
Thursday, 22nd January, 2015

Background of the Project:

The **Gujarat Technological University** has been allotted an important and prestigious project of Vishwakarma Yojana by the Government of Gujarat for the year 2012-13. Vishwakarma Yojana would provide “Design to Delivery” solution for development of villages in 'Rurban' areas. The developmental work in villages that could be under taken as per the need of the village in particular includes **Physical infrastructure facilities** (Water, Drainage, Road, Electricity, Solid waste Management, Storm Water Network, Telecommunication & other), **Social infrastructure facilities** (Education, Health, Sanitation) **Socio-Cultural Facilities** (Community Hall, Library, Recreation Facilities & others) and **Sustainable Infrastructures** (Rain water harvesting, Biogas plant, Eco Toilets, Solar Street lights & other) for effective development of Villages.

“Vishwakarma Yojana” has provided the platform for real world experience to engineering students and simultaneously apply their technical knowledge in the rural infrastructure development. From the Techno Economic survey, Students have identified the existing issues prevailing in villages and made the recommendations for the application of technology to achieve integrated and comprehensive development, through detail project report preparation and management. The approach like Vishwakarma Yojana is a step towards nation development.

Rationale of the Project:

The Project has been divided in two phases. In the **PHASE-I, Detailed project report of 68 villages during 2012-13** was prepared by 65 students of Degree Engineering, 126 Students of Diploma Engineering & 18 PG students and submitted to the respective DDOs.

Detailed Project reports have included the developmental work in villages which was under taken as per the need of the village in particular Physical infrastructure facilities (Water, Drainage, Road, Electricity, Solid waste Management, Storm Water Network, Telecommunication & Others), Social infrastructure facilities (Education, Health, Community Hall, Library, Recreation Facilities & others) and renewable energy (Rain water harvesting, Biogas plant, Solar Street lights & Others) for Sustainable development which were timely submitted to the respective DDOs for effective development of villages in under their territory.

The comprehensive report of Phase-I has successfully submitted to the **Hon'ble Education Minister Shri Bhupendrasinh Chudasamaji** in the felicitation program of Vishwakarma Yojana Phase-I on 23rd November, 2013.

Success of phase I has led GTU to include 187 villages in phase II during 2013-14.

In the **PHASE-II**, 393 Students from 26 Diploma Institutes & 366 students from 23 Degree Institutes participated and



prepared Detail Project Report with development strategies and action plan by have been divided Techno-economic survey of villages, Plan and estimate of proposed development by finding Gap analysis. Detailed Project reports have been included the developmental work in villages that could be under taken as per the need of the village in Physical, Social, Socio-Cultural, Sustainable infrastructure facilities and repair & maintenance of existing facilities.

Aim of the Project:

**“Developing village with a 'rural soul' but with all urban amenities
that a city may have”**

Aim of the project is to provide urban amenities in rural areas while maintaining the rural soul. This will help in developing villages in sustainable manner and reduce migration from villages.

Objectives:

Creation of infrastructure - connectivity, civic and social infrastructure along with provision of alternative livelihood generation are the key pillars.

- **Basic Physical Infrastructure** Water Supply, Transport, Sewerage and Solid Waste Management should be the priority focus and be provided.
- **Basic Social Infrastructure** Health and Education facilities should be provided and ensure proper delivery of facilities to village dwellers.
- Promote integrated development of rural areas with provision of quality **housing**, better **connectivity**, **employment** opportunities and supporting physical and social infrastructure.
- Reduce **migration** from rural to urban areas due to lack of basic services and sufficient economic activities in rural areas.
- Internal roads within village settlement, Efficient **Mass Transportation Systems** to improve connectivity between urban and rural areas, Public transportation facilities that need to be developed like bus stops, transport depot etc.
- Identification of **sanitation** facilities that need improvement sewerage and drainage line for household connection, door to door solid waste collection & dumping facilities
- **Electricity** connections like street lighting that is energy efficient and eco-friendly.
- Refurbishing of village lakes, water tanks and wells, construction of **rain water harvesting structures** for sustainable Development.
- Development of **socio-cultural facilities** like **community hall, public library, recreational activities** and repairing of existing amenities
- **Repair & maintenance** of Existing Public Buildings like Gram Panchayat, Public Library, School Buildings, Health Center, Public Toilet Block & Other.

Methodology-Implementation:

As per the Directives of Dr. Akshai Agrawal, Hon'ble Vice Chancellor Gujarat Technological University stated to begin the projects by studying the present status and techno-economic survey of all respective villages in 28 districts of the state in terms of basic and public amenities, other infrastructural facilities for the need of the people and to prepare a report on the expected socio economic growth of the area with the consultation of TDO, DDO and Sarpanch.

The project had been divided into three parts:

- **Techno-economic survey of villages**

Collected all essential information from village such as: Household data, Occupational detail, Water facilities, Drainage facilities, Sanitation availability, Storm water network, Solid waste Management facilities, Recreation facilities, Education facilities, Health Facilities, Transportation facilities, Road network, Irrigation system, Use of non-conventional energy sources, Migration rate, Literacy rate and other necessary data.



- **Data Analysis:**

SWOT & GAP analysis for all the selected villages were performed by comparing existing with the required facilities. Rural Planning Norms and UDPI (Urban Development Plans, Formulation and Implementation) guidelines were taken as a reference for providing Physical, social & Socio-Cultural infrastructure facilities. The following charts demonstrates the gap analysis performed in the physical infrastructure particularly the road network, Social & Socio-culture infrastructure facilities for the phase-II. The design proposals incorporated into the DPR of 187 villages were made to minimize the existing infrastructure gaps.

- **Design Proposals:**

As per the gap analysis the proposed development and planning strategies have been designed as per all the regulations and norms along with the consultation of concerned Government Officials (TDO, DDO & Sarpanch). Students of all respective villages have prepared design proposals for essential infrastructure facilities, prepared ready to execute documents, Detail estimates with abstract sheet, Measurement sheets, Recapitulation Sheet and Detail Drawings.

From the gap analysis, development strategies for village development have been proposed and planning proposals for Physical infrastructure, Social Infrastructure, Socio- Cultural infrastructures, Sustainable infrastructure and repair & Maintenance of existing infrastructures for 187 villages were suggested and proposals have been designed as per all regulations and norms with consultation of TDO, DDO & Sarpanch by the Students.

Design proposals have been divided in the following categories:

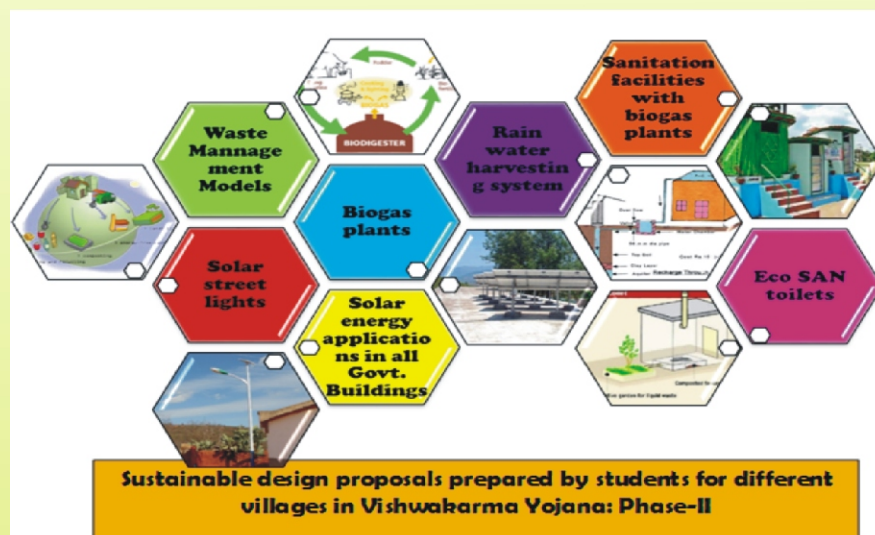


For Each village students has proposed four- five designs by considering the necessity of the dwellers. To give essential technical aspects for the design works GTU has organized 6 technical workshops including interaction workshop with experts of the relevant field. Technical workshops enriched student's technical skill for Planning, Designing, estimating, costing and making it sustainable with affordability.

Recommendations & Suggestions:

On the basis of Data analysis students have suggested various recommendations and suggestions for over all development of villages.

- For essential water distribution-Rain Water Harvesting, Artificial Recharge, Recycled water from Sewage Treatment plant can be effective future solutions.
- Rain water harvesting system has been suggested and planned for all the Public Buildings in Phase-I & Phase-II.
- 'Low-cost sewerage and sewage treatment system with total sanitation' have been suggested for few villages having problem of Land and water pollution.
- Village approach roads and internal roads for better Transport conditions of villages have been recommended.
- Identified Electricity network problems & Energy audit have been performed for various public buildings and solutions given with various non-conventional energy sources.
- Integrated Sustainable Solid & Liquid Resource Management - TAPI Model has been suggested for efficient Sewerage and Water Management services with less input, more outcome and livelihood generation for Villages.
- Gujarat Government is promoting the Total Sanitation Campaign (TSC) and Community Rural Sanitation Program which is about to be implemented in all the selected villages for better sanitation facility.
- Education facilities from grass root level- Aaganwadi to ITI has been suggested and planned as per requirement.
- Health facilities such as Dispensaries, Child welfare & Maternity homes, Primary Health Centre and Community Health Centre are recommended and planned as per norms and population growth.
- Socio cultural facilities like Community hall, play grounds, Parks, Library, Garden, Eco parks, Beautification of pond(water can be stored in monsoon), Natural water sources beautification and others have been suggested and planned for some villages.
- Eco sanitation, Biogas Plant, waste to energy models can be implemented in villages for sustainable development.



- Fish markets, Agro based activity centres, politory farms, vegetable markets and other proposals according to the locations have been suggested for livestock management. More participation in scheme like Mahatma Gandhi National Employment Guarantee Act can become the better solutions for employment as well as village development.

Approach So far:

The hard work, put in by the GTU students and faculty members, has made this project a great success. The design of the process, building capacities through state-wide seminar, meetings, workshop and a continuous set of motivational visits as in table have contributed to making the project a success during the second year. DDOs, TDOs and the local authorities have freely given their time and discussed with the students and Nodal Officers their vision for the future of the village. These discussions have formed an important resource for the success of the project.



Orientation Programs/ Meetings/Workshops held for Vishwakarma Yojana: Phase-II

Sr. No.	Date	Particulars	Venue	Remarks
1	31/07/2013	Orientation Program for Central Zone	Parul Institute, Vadodara	Participants:40 Nodal Officer:13
2	01/08/2013	Orientation Program for Vidyanagar Zone	BVM, VV Nagar	Participants:70 Nodal Officer:06
3	03/08/2013	Orientation Program for Godhra Zone	GP, Godhra	Participants:115 Nodal Officer:08
4	05/08/2013	Orientation Program for Ahmedabad Zone	SKPCET, Visnaagr	Participants:107 Nodal Officer:07
5	07/08/2013	Orientation Program for South Zone	Dr. S & S.S Gandhi, Surat	Participants:283 Nodal Officer:19
6	11/08/2013	Orientation Program for Saurashtra Zone	VVP, Rajkot	Participants:112 Nodal Officer:13
7	05/10/2013	Implementation Meeting with Nodal Officers	GTU Campus, Chandkheda	Nodal Officer:37
8	19/10/2013	Technical Workshop for Central Zone	BVM, VV Nagar	Participants:288 Nodal Officer: 18
9	21/10/2013	Technical Workshop for South Zone	SSASIT, Surat	Participants:236 Nodal Officer:13
10	25/10/2013	Technical Workshop for Saurashtra Zone	VVP, Rajkot	Participants:95 Nodal Officer:13
11	29/10/2013	Technical Workshop for Ahmedabad Zone	VPMP, Gandhinagar	Participants:170 Nodal Officer:07
12	07/02/2014	Review Meeting with Nodal Officers	GTU Campus, Chandkheda	Nodal Officer:53
13.	14/02/2014	Felicitation of VY students on GTU Sankul Day	Prayavaran Mandir, Gandhinagar	Students of VY: Phase – II
14.	22/03/2014	Technical Workshop on Energy Economics & Rural Electrification	GTU Campus, Chandkheda	Participants: 135 Nodal Officer:07
15.	22/03/2014	Technical Workshop on Reimagine, Redesign & Rejuvenating of Village	Parul Institute, Vadodara	Participants:324 Nodal Officer:12
16.	22/03/2014	Technical workshop on Core Infrastructure Planning, Designing & Management	GNLU Campus, Gandhinagar	Participants:194 Nodal Officer:07
17.	15/06/2014	Brain storming Workshop with Students	GTU Campus, Chandkheda	Participants: 285
18.	01/07/2014 to 20/07/2014	Interaction Presentation at villages	Respective villages	Respective Groups along with Nodal officers

Special Features of the Phase-II (2013-14):

Success of phase I has led GTU to take 187 villages in phase II during 2013-14.

Highlights: For Phase- II work action plan was already designed before the academic term commenced which helped to complete project on time with essential development strategies.

- ❑ **Orientation programs** to understand the aim, objectives and scope of the Vishwakarma Yojana were organized in all the zones which were not covered in phase I due to time constraints.
- ❑ In this phase, **Techno economic survey** of the villages has been done in detailed and included all the essential parameters to make Rurban village.
- ❑ VY website became research tool for the students to give their best input for the village development in this phase.
- ❑ **Sustainable design phase** has included designs like Rain water harvesting systems, Public toilet block with Biogas plant, Dry compost Toilets, Eco sanitations, Various solar applications, waste to energy solutions, Green technologies related to agriculture activities, Pond beautifications and many more which will develop village in sustainable manner.
- ❑ Students have tried to give designs with appropriate technology concept in which local people and local material can be utilized.
- ❑ **Visit of ideal village** was compulsory in the second phase and students have visited villages like Punsari (Sabarkantha), Baben (Bardoli), Aena (Palsana), Kishorgadh (Idar), Anandpur (Mehasana) & Moviya (Gondal) helped them to understand the overall development of the village.
- ❑ For the successful completion of Vishwakarma Yojana and to give the essential technical knowledge GTU had organized **6 Orientation programs, 4 Implementation meetings, 6 Technical workshops and 2 brain storming sessions.**
- ❑ Technical Workshop covered various technologies for sustainable planning, Design of Core infrastructure networks, Energy Audit & Electrification, and Reimagine & Redesigning of facilities.
- ❑ Experts such as: Mr. Klaus Peter Hankel, Eminent Engineer, Germany Mr. B. K. Patel, Town Planner, Gujarat Mr. Shashi Shah, Sr. Architect, Vadodara Dr. Krupesh Chauhan, Professor, NIT- Surat & Many More
- ❑ **Primary Energy Audit for the public buildings of 97 villages** have been performed and various solutions were submitted to Sarpanches of respective villages for efficient energy planning.
- ❑ More than four amenities were designed for each respective village by the students which showcase the students' hard work. Moreover **interaction presentation in 143 villages** in front of local authorities and village dwellers was completed in July 2014.



Achievements:

The contribution and the hard work put up by the GTU Students has made this project going on a smooth sail and indeed it is a huge success.

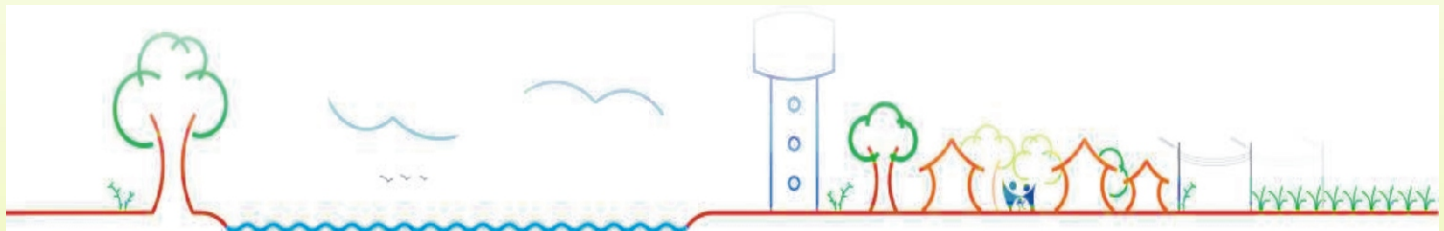
Pond development & Sunset point development is already implemented in the **Ahwa** village of Dang district by the authorities. Also the design proposed by students are going to be implemented by village authorities of **Bholav, Zadeshwar, & Palej** villages.

Future Strategies:

- * Maximum Participation from NGO, Public Private Partnership and local dwellers need to be identified for implementing Process
- * Interaction workshop with Sarpanch, local authorities and TDO for implementation of Proposals for village development
- * Identifying undeveloped villages for the Vishwakarma Yojana: Phase -III

Conclusion:

“Vishwakarma Yojana” has provided the platform for real world experience to engineering students and simultaneously applying their technical knowledge in the rural infrastructure development. Application of technical knowledge and practices with modern technology and is a distributive and participatory process bringing about cascading changes in the lifestyles of its participants. The contribution and the hard work put by the GTU Students has made this project going on a smooth sail and indeed will be a huge success. An approach that has been used successfully when planning for the future of a community involves preceding the planning process with an exercise designed to develop vision of the future for the “Vishwakarma Yojana”. By developing Rural India, the future scenario for urbanization can be change in Sustainable manner.



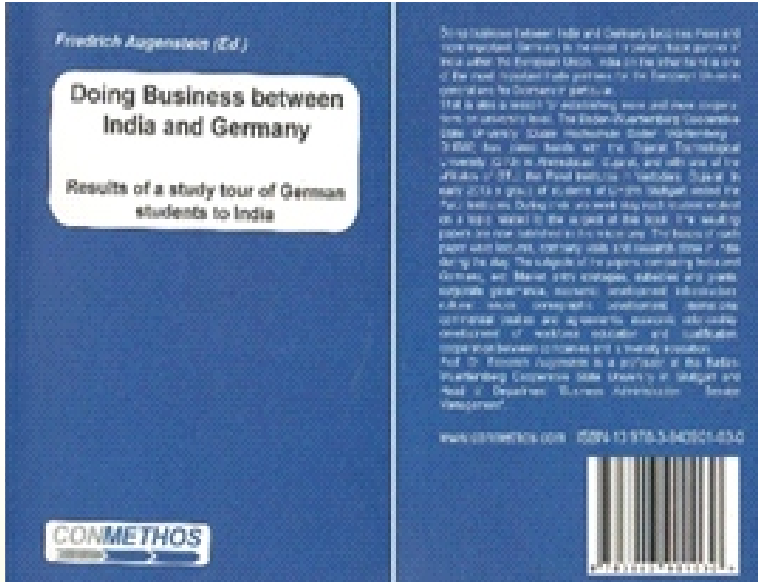
Prepared by:
Dr. Indrajit Patel
Ms. Jagruti Shah
Ms. Darshana Chauhan



Joint Research Projects with Foreign Universities: Centre for Global Business Studies

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Joint Research Projects on Doing Business with India and Germany and Cooperation Management among the Business.



GTU has initiated two collaborative research projects with **Duale Hochschule Baden Wuerttemberg (DHBW) Stuttgart, Germany** under the Indo-German Study Centre in 2013. The research projects were titled as (I) Doing Business between India and Germany (II) Cooperation Management among Businesses.

These projects were initiated in the beginning of 2013 and on the completion of the projects, GTU and DHBW have launched the research in terms of books for both the projects.

The book on “Doing business between Indian and Germany” has been released during the visit of Dr. Ramesh Shah along with DHBW students on their study tour at GTU on 10th February 2014 and the Book on “Cooperation Management” has been released on the occasion of the Seminar on Lessons from The Joint Projects With DHBW, Germany on Cooperation Management on 18th August 2014.



Joint research project on Study on Relative Impact & Objectivity of Different Media in collaboration with DHBW, Stuttgart, Germany.

The PG research centres of Faculty of Management at GTU have launched one innovative program for MBA students and faculties. The program is named as Multi Location Collaborative Learning (MLCL) to accomplish the goal of making the management students globally competitive.

As a start-up of MLCL at GTU, Indo-German Study Centre has initiated a joint research project on Study on Relative Impact & Objectivity of Different Media in collaboration with DHBW, Stuttgart, Germany.

The first phase of the project has been started in the month of March 2014, with a study on the “Relative impact and objectivity of different types of Media” on political parties involved in the Indian parliamentary elections of 2014.

For Detailed Research Project Report, Kindly Visit:
http://www.gtu.ac.in/circulars/14May/14052014_04.pdf

MLCL project on “Studying the Democracies of the World”

Gujarat Technological University has taken up the research project to develop an understanding of the system of democracy, by studying the democracies in action in countries; small and big.

The research has already brought together 9 faculty members and 40 students from 8 Colleges of GTU. Dr. Ramesh Shah and his students from DHBW, a German University, were invited to join the research project on 10th of February 2014 and the acceptance was received through the Professors from two German Universities on June 16, 2014. GTU have started discussions with University of Maribor Slovenia, HUST University and Yunnan Minzu University China, Cape Breton University and Memorial University Canada and two universities of South Africa to join this project.

Objectives of the Project:

1. To study the history and evolution of the Democracy
2. Impact of Democratic developments on various civilizations
3. To find the scope for further improvements in the existing democracies across the globe.

Prepared by:
Dr. Sarika Srivastav
Dr. Kaushal Bhatt
Mr. Keyur Darji



Rural Infrastructure Development Projects (RIDP) under MGNREGA

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INTRODUCTION:

GTU has always supported and actively participated in all the activities for social work apart from academic issue. Development of rural areas is slow due to improper and inadequate provision of infrastructure compare to urban areas. Rural infrastructure is not only a key component of rural development but also an important ingredient in ensuring any sustainable poverty reduction programme. The proper development of infrastructure in rural areas improves rural economy and quality of life. It promotes better productivity, increased agricultural incomes, adequate employment, etc. Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA) is one of the opportunity where students get platform to have real world experience with the village upliftment which is connected to nation development.

The different works covered under MGNREGA provides livelihood security to the rural poor and enhances it by generating wage employment opportunities in works that develop the infrastructure base of that particular locality, Rejuvenate natural resource base of the area concerned, Create a productive rural asset base, Stimulate local economy for providing wage employment & Ensure women empowerment are the basic objectives of MGNREGA.

The team of GTU is working to achieve all the core objectives under MGNREGA. The main focus will be the quality improvement with village development which is a major problem faced because of unskilled labour and providing alternative design solution by using advance technology.



Projects under MGNREGA:

The various permissible project works for rural development which are providing livelihood security to the rural poor are as follow:

- ❑ Water conservation and Rainwater harvesting including contour trenches, contour bunds, boulder checks, gabion structures, underground dykes, earthen dams, stop dams and spring shed development;
- ❑ Drought proofing including afforestation and tree plantation;
- ❑ Irrigation canals including micro and minor irrigation works;
- ❑ Provision of irrigation facility, dug out farm pond, horticulture, plantation, farm bunding and land development on land owned by households;
- ❑ Renovation of traditional water bodies including desilting of tanks;
- ❑ Land development;
- ❑ Flood control and protection works including drainage in water logged areas including deepening and repairing of flood channels, chaur renovation, construction of storm water drains for coastal protection;
- ❑ Rural connectivity to provide all weather access, including culverts and roads within a village, wherever necessary;
- ❑ Construction of Bharat Nirman Rajiv Gandhi Sewa Kendra as Knowledge Resource Centre at the Block level and as Gram Panchayat Bhawan at the Gram Panchayat level;

- ❑ Agriculture related works, such as, NADEP composting, Vermi-composting, liquid bio-manures;
- ❑ Livestock related works, such as, poultry shelter, goat shelter, construction of pucca floor, urine tank and fodder trough for cattle shed, azolla as cattle-feed supplement;
- ❑ Fisheries related works, such as, fisheries in seasonal water bodies on public land;
- ❑ Works in coastal areas, such as, fish drying yards, belt vegetation;
- ❑ Rural drinking water related works;
- ❑ Rural sanitation related works, such as, individual household latrines, school toilet units, anganwadi toilets, solid and liquid waste management;
- ❑ Construction of anganwadi centres;
- ❑ Construction of play fields;
- ❑ Any other work which may be notified by the Central Government in consultation with the State Government.

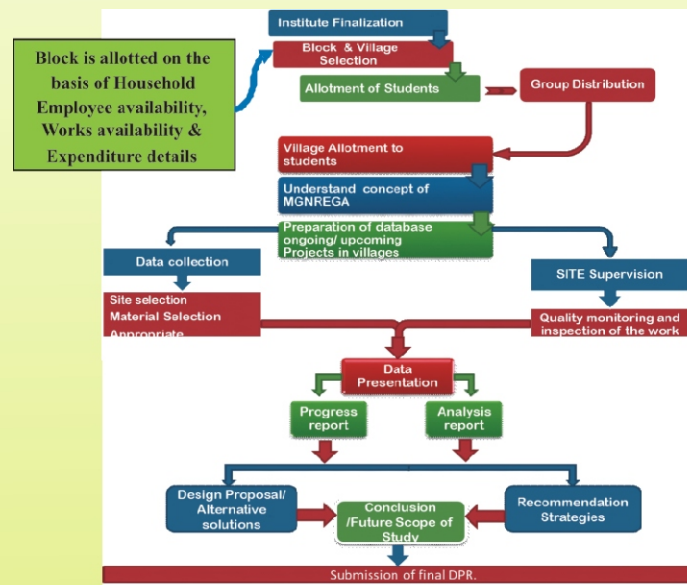
Project Team:

The Project team has been formed with following combination manner:
 2 Degree + 3 Diploma for (5 - 7 Villages in One Block) or
 4 Diploma for (5-7 Villages in One Block) or
 3 Degree for (5-7 Villages in One Block).

Total 455 students
19 Degree and 17 Diploma Engineering
Institutes are working in current academic
year for RIDP under MGNREGA
48 blocks by covering 411 villages.

Methodology:

The methodology to fulfill all the objectives under MGNREGA is as follows:



Students of GTU are performing the following functions (deliverables):

- Field data collection for the ongoing / upcoming infrastructure development projects covered under MGNREGA for the village;
- Field data collection for site selection process;
- Proposal / suggestions for the Material selection process with respect to durability and affordability parameters;
- Skilled supervision for the ongoing / upcoming infrastructure development projects with respect to quality improvement;
- Selection of Appropriate technology for quality improvement with the optimum time frame;
- Estimation & Costing and Rate analysis part for the upcoming Projects if needed;
- Design proposals / alternative solutions for the projects covered under MGNREGA for the village;
- All other civil engineering related works for the project executed under MGNREGA;
- Progress report submission, Inspection report and Detail project report submission for analysis and action to achieve specific objectives.





Work done so far:

The hard work put in by the GTU students and faculty members, has made this project a great success. The design of the process, building capacities through site visit, finding issues related to technical parameters and alternative design proposal for the ongoing work for sustainable future.

Collected all essential information from site visit of different ongoing projects. The SWOT analysis for all the projects were performed with respect to Quality, Labour, Project Cost and Material parameter to identify the root problems of the projects under MGNREGA. Based on the analysis the proposed development and planning strategies suggested as per all the regulations and norms along with the consultation of concerned Government Officials.

In this phase each group has given alternative design proposal by considering the parameter like strength, durability and sustainability of the infrastructure for each village by using appropriate technology concept which will help to achieve auxiliary objective of strengthening natural resource management through works that addresses causes of chronic poverty like drought, deforestation and soil erosion and to encourage sustainable development.

Future Strategies:

- * Project work analysis of all respective villages
- * Future strategies for strengthening & developing new technologies
- * Technical workshops for Designing Infrastructure facilities, Quality Improvement and Construction Management
- * Presentation and brief report submission of work done by the students to Government officials, MGNREGA
- * Managing Growth through Sustainable planning

Outcome:

The students of GTU has provided all the essential database with technical parameters for the developmental work in villages that could under taken as per the need of the village people as per all the regulations and norms along with the consultation of concerned Government Officials (TDO, DDO & Sarpanch) & team MGNREGA. At the end of the project period, Detail project report with all essential analysis, alterative solutions and sustainable proposals will be reached to the respective authority for effective development of villages.

Prepared by:
Dr. Indrajit Patel
Ms. Jagruti Shah
Ms. Drashana Chauhan



4TH ANNUAL CONVOCATION **Boards & Clubs**

9 Boards & Clubs

**9.1 Board for Mobile Computing and
Wireless Technologies**

9.2 Mobile and Wireless Technologies Club

9.3 Open Source Technology Club



GTU Board for Mobile Computing and Wireless Technologies

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Over the last few years, there has been a substantial increase of research & development and adoption in wireless and mobile technologies and considerable amount of contributions to this domain from India to various avenues like research, coding, localization, marketing, app store submissions, infrastructure, maintenance, job opportunities etc. have been observed.

Use of latest technology in education has become more and more prevalent and GTU has always supported the latest trends in the benefit of the students. Gujarat Technological University has been working since 2011 in the field of Mobile Computing and Wireless Technologies. The Research Board on Mobile Computing and Wireless Technologies has been set up to support the research work of the faculty members, Doctoral students and Master's students to create an interest among under-graduate students in this field.

We need a forum to gather as many wireless and mobile technology experts and developers as possible at one place under Gujarat Technological University. So, GTU has planned to come together to organize a board solely dedicated to Wireless and Mobile Technologies with an aim to spread these technologies far and wide within India and abroad. As curriculum has been the foundation of these technologies since the very beginning, we have the same aspirations for further development. GTU also wishes to promote various wireless technologies with its development platforms like a raised area that is capable of delivering excellence.

GTU Board for Mobile Computing and Wireless Technologies was set up on February 2011 and it has been continuously conducting very well-attended Workshops.

(Details are available at: http://www.gtu.ac.in/GTU_Mobile_Wireless_Technology.asp).

GTU's Master's program in Wireless and Mobile Computing was also started in Sept 2011 with facilities to run Master's Degree Programs with different specializations in Computer Engineering and Electronics & Communication Engineering. The Course is targeted towards the engineers who wish to venture into the domain of Mobile Computing. The Course aims to groom the students to enable them to work on current technology scenarios as well as prepare them to pace with the changing face of technology and requirements of an exponentially growing Mobile and Wireless industry. The Course curriculum has been designed keeping in view the emerging trends in mobile technologies as well as contemporary and futuristic human resource requirements of the Wireless and Mobile Industry. The depth and width of the course is unique in the industry covering a wide spectrum of the ICT industry.

Initially the focus is on following technologies/areas:

- Mobile Applications development using C++, Python, Qt/QML, WRT, Java ME etc.
- Mobile Applications development on Android, Meego, Symbian, Bada, RIM, iOS and Windows platform
- Submission of applications which can be marketable to world famous virtual stores like Ovi store, App World, App Store, Flypp etc.
- Embedded wireless system design and development
- GSM and 3G network planning and optimization
- Wireless network security issues
- Wireless technologies in forensic science.
- Use of mobile and wireless technologies in rural areas, healthcare, governance and education.

- Protecting intellectual properties right management on these technologies for GTU students and faculty.
- Wireless sensor networks, pachebe community and WASP
- Location based services using Global Positioning System.

We expect experts, faculties and students to come and join this group in a huge number and benefit from these revolutionary technologies and take back with them a lot of knowledge and the thrill to be a part of and contributing to one of the widely used technology in the world. We also expect and encourage faculty, students, research scholars and professionals working with such technologies to take part in this group and share their knowledge and experience with the community.

Meeting of GTU Board for Mobile Computing and Wireless Technologies:

Meeting of GTU Board for “Mobile Computing and Wireless Technologies” was held on 19th March 2011, Saturday from 11:00AM-01:00PM at GTU Conference Hall, Ahmedabad under the chairmanship of Hon'ble Vice Chancellor Dr. Akshai Aggarwal. The agenda of the meeting was to discuss what should be the eligible criteria for the membership of the GTU board. During the meeting, Hon'ble Vice Chancellor Dr. Akshai Aggarwal said that now a days, in mobile computing and wireless computing there is a large area of interest. In this field there is a great career in research. He also said that we have to take help from the lab also and training students in this particular field.

All Professors discussed about the idea of students and faculties, dates and times, experts list, video conference, seminar etc. They discussed to organize STTP for faculties, where at the end of session there would be problem solution etc. and on website we need to upload IITs recorded CD,DVD's etc. have to find difference between NTPL and GTU's syllabus, organize summer workshops.

Prepared by:
Mr. Margam Suthar



GTU Mobile and Wireless Technologies Club (MWTC)

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Gujarat Technological University has been working since 2011 in the field of Mobile Computing and Wireless Technologies. Now, GTU has decided that a Mobile and Wireless technologies Club (MWTC) should be established at every College/Institute so that regular activities in various aspects of mobile technology can be organized. For this purpose, the UDISHA Clubs at every College are told to work from the MWTC. GTU has started this initiative from November 2013. (Kindly Visit: <http://www.gtu.ac.in/circulars/13Nov/MCWT%20circular.pdf>). At present 30 Club are successfully established at different College/Institute affiliated to GTU across the state and more in the process.

Overall Activities of the MWTC:

- Workshops on application development on various platforms
- Workshops on different aspects of Mobile Technology
- Creating software and hardware for social causes
- Any other activities of interest to students or faculty members

MWTC will work in collaboration with Mobile Monday Club (<http://momo-ahmedabad.in/>). Mobile Monday is a global community of mobile industry visionaries, developers and influential fostering cooperation and cross border business development through virtual and live networking events to share ideas, best practices and trends from global markets.

List of Workshop Conducted at GTU Under the MWTC

- **Workshop on “creating start up in mobility & internet space”, 23rd-24th February and 23rd- 24th March, 2014.**

In this workshop, 120 students were able to work with mentors and experts in executing the process. This workshop was the foundation for an upcoming day long boot camp in March/April 2014 at the same venue. Each team got around three weeks to build upon the prototype generated during the workshop on 23rd Feb. During this three weeks period, each team able to get an offline mentoring and other handholding support of the mentors at this workshop.

- **Workshop on “Round table on Monetizing Mobile Apps”, 14th June, 2014.**

The Round Table comprised of senior Web designer, Android developer, IT consultant as well as Academicians and students from across the states. The speakers from corporate included Utpal Betai, Project Manager at Lets nurture, Mahendra A. Sharma Cofounder & CTO, NicheTech, Pareshmayani, Manager, GDG Ahmedabad. This roundtable session on the latest start-up trends was very insightful as shared by all the 50 participants. We expect more workshop sessions to follow in coming days.

- **Two days Boot Camp for “Innovation in Mobile Applications”, 30th & 31st August, 2014.**

20 Teams of student worked for 48 hours in developing mobile applications in the field of education, healthcare, governance and women's safety. The teams pitched their innovations on Sunday afternoon. Dr. Akshai Aggarwal, Hon'ble Vice Chancellor of GTU and many other policy makers interacted with all participants during both the days. Tech experts, UI-UX design experts and others helped shaping the ideas, evolving from design thinking approach.

- **Workshop on “Software Freedom Day”, 20th September, 2014.**
Celebration of Software Freedom Day started with the Session on Android by Prof. Vinod Pillai included basic understanding of Android, Android App Advertisement, future Scope of Android, and future projects. Mr. Ujval Joshi introduces Drupal, which is an open source Content Management Platform powering millions of websites and applications. It is used as a back-end framework for many web sites worldwide. Students were taught installation of Drupal and various modules of it and how to apply various available themes. Various examples were given on how the education site Drupal is useful, as now open source is smarter option. 70 students and Faculty participated in this workshop.
- **Workshop on “Microsoft Azure Training Session for Start-ups”, 27th September, 2014**
Around 50 students from various colleges attended this workshop. Microsoft provides a platform with Azure which enables to rapidly deploy websites, mobile services, send push notifications etc., quickly and easily. Microsoft Azure is open, broad and flexible enough to support even various non-Microsoft Technologies. Mr. Prabhjot Bakshi (Consultant, Microsoft Azure) started the workshop by giving information about various applications working on online storage facilities like One Drive. He covered topics in his session on Introduction to BizSpark for startups, introduction to Azure, Azure Hands-on-lab using open source technologies with Azure, networking with Azure.

Under MWTClub, Institutes can organize any workshop as per their convenience. GTU and Infostretch, Ahmedabad will provide all the necessary support. Institute can organize workshop for all faculty members and students of related department to share knowledge of different mobile application development platform like Android and IOS with industry.

❖ **List of Workshop Conducted under the MWTClub at Different colleges/Institute affiliated to GTU across the state**

Sr No	Name of Institute	Workshop Title	Date	Convener and Co-ordinator
1	Silver Oak College of Engineering and Technology, Ahmedabad	1. Three days' workshop on "apple apps training"	July-August 2013	Prof. Satvik Khara
		2. Workshop on “Ethical Hacking”.	25 th & 27 February, 2013	Prof. Satvik Khara Prof. Bhargav Modi
		3. “iPhone development by Earth Isoft"	29 th July - 27 th August, 2013	Prof. Satvik Khara Prof. Reema Patel Mrs. Hemal Patel
		4. Workshop on “Developing mobile app of SOCET in android and iphone”	15 th February, 2014 & 28 th July, 2014	Prof. Satvik Khara Rikin Thakkar
		5. Three Days Workshops on “iOS Programming”	29 July-27 August, 2013	Prof. Satvik Khara

		6. Training Sessions on Macintosh Operating System – I	13 th September, 2014	Prof. Satvik Khara
		7. Training Sessions on Macintosh Operating System - II	20 th September, 2014	Prof. Rikin Thakkar
2	Hansaba College of Engineering and Technology, Sidhpur	1. One-Day Workshop on “Android Operating System”	9 th April, 2014	Prof. Pratik Vihol
		2. One-Day Workshop on “4G TECHNOLOGY”	10 th April, 2014	
3	Sardar Vallabhbai Patel Institute of Technology (SVIT), Vasad	One Day Workshop On “Android”.	18 th March, 2014	Prof. Tejas. P. Bhatt
4	A Y Dadabhai Technical Institute, Kosamba	One Day Workshop On "Android Application Development Fundamentals" 22 February 2014, Saturday	22 nd February, 2014	Mr. M M Dalchawal Mr. R R Chaudhari Mr. J M Barad
5	Gujarat Power Engineering & Research Institute, Mewad	Workshop of “Android Applications Development”	10 th -11 th April, 2014	Prof. Rajesh Patel Prof. Harshad Chaudhary Prof. Harish Rathod Prof. Ashvin Rathod
6	VVP Engineering College, Rajkot	One Day Workshop on “Android based Application Development”	11 th August, 2014	Mr. Paresh Dholakia Dr. Dipesh Kamdar Mr. Vishal Nimavat Mr. Ravin Sardhara Mr. Nirmal Bhalani
7	S. N. Patel Institute of Technology & Research Center Vidyabharti Campus, At & Po Umrah	1. One-Day Seminar on “Android and Wireless Technology	20 th February, 2014	Bombaywala Md. Salman R. Dr. Jayesh A. Shah
		2. One-Day Seminar on “Android and It's Applications”	19 th February, 2014	Dhiraj Patel Kashyap Mistry

8	Balaji Engineering College	Seminar on "Android Mobile Development"	09 th August, 2014	Mr. Sagar Dholariya Mr. A. B. Babariya Mr. Mehul Kapadiya
9	Parul Institute of Engineering and Technology	1. Short Term Course (Vocational Course) on "Mobile Application Development through Android".	2 nd Week September, 2014	Dr. Varang N. Acharya Mr. Mehul Raval Mr. Navtej Bhatt
		2. Workshop on "Android Application Development".	15 th -18 th September, 2014	Mr. Adarsh Patel
		3. One Week FDP on	23 rd -27 th	
		4. Workshop on "iPhone Application Development".	2 nd Week November, 2014	
10	Shri S'adVidya Mandal Institute of Technology	One day Seminar on "Android"	11 th March, 2014	Mistry N. H. Dr. R. G. Kapadia Ripal R. Patel
11	Shree Swami Atmanand Saraswati Institute of Technology (SSASIT), Bharuch	Two Day Workshop On "Basics of Android"	28 th February to 1 st March, 2014	Prof. Drasti J. Chauhan Prof. J. G. Vaghasiya Prof. Harshil S. Patel
12	B. H. Gardi College of Engineering & Technology (MCA)	1. One Day Workshop on "Inauguration & Hackathon Event"	10 th March, 2014	Prof. Milan Vachhani Prof. S. B. Jadeja
		2. Two Days on "Workshop on Android"	02 nd -03 rd August, 2014	Prof. Prashant Mehta (ECM)
		3. Workshop on "Programming & Application Development using Android"	09 th August, 2014	Prof. Vaibhav Gandhi (Advisor) Prof. Yatin Shukla (Advisor)

13	S.T.B.S. College of Diploma Engineering, Surat	One Day Workshop on “Android”	06 th September, 2014,	Mr. P. R. Lad Prof. Y. S. Choupare Mr. M. R.Gajjar Mrs. D. D. Jagiwala
14	Sankalchand Patel College of Engineering,	Inaugural Function of “Mobile Computing and	07 th February, 2014	Prof. G. D. Makwana

Some Glimpse of activities Conducted Under MWTClub



MWTClub_MAppleLab_Silver Oak College of Engineering and Technology,Ahmedabad



MWTClub_Hansaba College of Engineering and Technology, SidhpurTechnical Institute, Kosamba



MWTClub_A.Y.Dadabhai



MWTClub_SardarVallabhbbhai Patel Institute of Technology, Vasad



MWTClub_SitarambbhaiNaranji Patel Institute of Technology & ReserchCenterInstitute of Technology



MWTClub_ShriS'adVidya Mandal



MWTClub_B. H. Gardi College of Engineering & Technology, Rajkot



MWTClub_Sankalchand Patel College of Engineering, Visnagar

Prepared by:
Mr. Margam Suthar

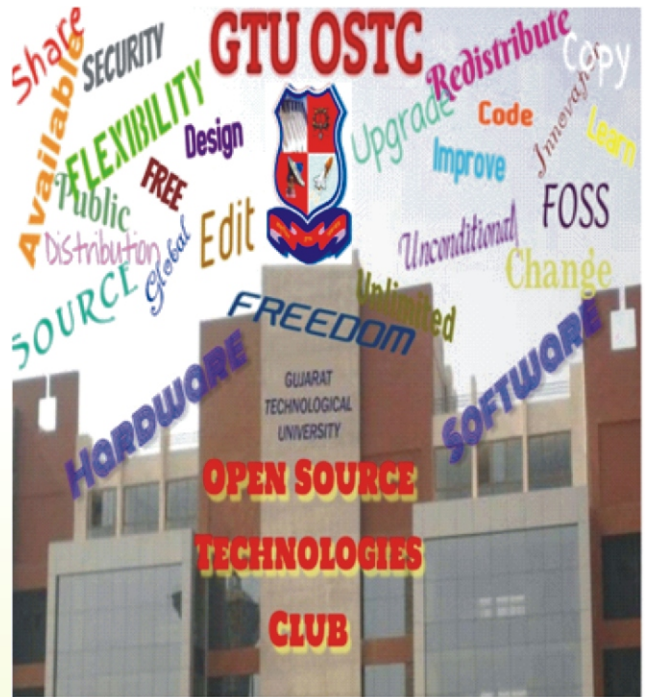


Report: GTU Open Source Technologies Club (OSTC)

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Gujarat Technological University has been working to establish an Open Source Technologies Club (OSTC), as a part of the GTU Innovation Club at every one of its affiliated College to encourage students/faculties to participate actively in the world wide Open Source movement.

Now a days, Open Source Methodologies have a lot to offer in the world of education. Open source technology is being adopted by many institutions because it can save institutions from paying companies to provide them with administrative software systems. The most reliable indication of the future of Open Source is its past: In just few years, we have gone from nothing to a robust body of software that solves many different problems and is reaching the million-user count. *There's no reason for us to slow down now.* By keeping this in mind, In May 2013, GTU has introduced Open Source Technologies Club initiative for all the GTU affiliated colleges. Open Source Technologies Club is first time introduced by Gujarat Technological University as GTU always strive to provide innovative ways of education. Use of ICT in education is one of such innovative way to add value in existing teaching and learning methodology.



Open source software has emerged as the driving force of technology innovation. Survey results uncover the growth of first-time developers participating in the open source community, and point to both new open source education initiatives and the prevalence of open source-based educational platforms. In addition, the three industries expected to be impacted most by open source were identified as Education (76 percent), Government (67 percent), and Health Care (45 percent), demonstrating how entrenched OSS has become to our social fabric.

Till date, Open Source Technologies Clubs have been established in 77 Colleges across the State and various activities are conducted under these OSTCs.

1. Activities of GTU Open Source Technologies Clubs:

- To organize various events on Open Source.
- To organize Training, Workshops (IIT Bombay's Spoken Tutorials Project has come forward to support such Clubs.)
- To organize Literacy, Lecture, Demonstration.
- To organize open source movement Talks.
- To provide/to motivate students to do Open Source Projects
- To organize various Workshop, Poster Presentation, Various Competition on Open Source or any other creative activities.
- To get support from various open source communities

2. Various Activities carried out at Colleges under OSTCs:

GTU affiliated colleges are playing very crucial role to make initiative of Open Source Technologies Club more successful. General Body of OSTC at college is as follow:

- I) Patron/OSTC Coordinator who will be responsible to take care of overall activities of OSTC
- II) Faculty Members - who will be responsible to organize department wise activities under OSTC and of Couse students are most important part of OSTC.

2.1 GTU had brought an opportunity for the students/faculties as well as colleges' administrative staff for obtaining a certificate from IIT Bombay while working in their college lab. Since December 2011, in collaboration with Spoken Tutorial project various workshops are conducted. (The Spoken Tutorial project is the initiative of the 'Talk to a Teacher' activity of the National Mission on Education through Information and Communication Technology (ICT), launched by the Ministry of Human Resources and Development, Government of India). Open Source Technologies Clubs of colleges are organizing various workshops with the help of IITB Spoken tutorial team for students/faculties as well as administrative staff and they are getting post exam certificates from IITB. Till date more than 30,000 GTU students/faculties participated in the various workshops on Latex, PHP-Mysql, C, C++, Java, Libre Office Suite, Linux, Scilab, Pyhton, Blender etc.

2.2 OSTCs at many GTU affiliated colleges have taken the initiative to combine workshops with the lab hours so it can be learned as a part of curriculum for respective subjects. Some Colleges have converted each and every possible lab to Open Source (Ex: HJDITER, Kutch has converted their laboratories to UBUNTU, as UBUNTU is very beneficial in financial terms). By this Effort College has tried to set an example for other institute to promote open source operating system.

2.3 OSTCs in some colleges are using as possible as only Open source softwares to perform various tasks.(Ex: OM Engineering College, Junagadh is using linux mint as an operating system in all computers as well as Eclipse, Neat Beans, GCC, Packet Tracer, Network simulator, Oracle Virtual Box, PSIM, KiCad, Iptux and many more open source software in daily laboratory classes and in all the departments).

2.4 Besides conducting various workshops for students, OSTCs are also conducting various Faculty Development Programs. The Faculty Development Program (FDP) aims to promote faculty growth towards the ultimate benefit in the classroom for the students. Through FDPs, Faculties can upgrade their teaching, training and research skills as well as they will come to know latest in ICT enabled learning and useful Open Source softwares. During June-July 2014, Faculty Development Programs were organized at various GTU affiliated colleges.

2.5 OSTCs at colleges are also organizing various activities by inviting industry experts on various latest technologies, and approaching open source communities to make their Clubs more active.(ex: National Seminar and Workshop on Advances in Open Source Mobile Technologies has organized by Sabar Institute and report is available at: http://gtu.ac.in/circulars/14May/03052014_07.pdf)

[NOTE: Reports of all the activities organized at different Colleges under OSTCs are available at: <http://clubs.gtu.ac.in/reports.php>]

3. Some Events Organized at GTU under OSTC:

- GTU-OSTC organized a workshop on Open Source for Embedded System Development on 5th July 2014 to encourage the use of Linux environment for embedded Lab. A total of 31 faculty members from various colleges attended this workshop. (A brief report is available at:http://www.gtu.ac.in/circulars/14Jun/30062014_05.pdf)

➤ To participate actively in the world wide open source movement, this year Gujarat Technological University celebrated Software Freedom Day (SFD) on 20th Sept 2014. (A brief report is available at:http://files.gtu.ac.in/circulars/14Oct/07102014_01.pdf).

In support of GTU's efforts, many GTU affiliated Colleges also celebrated Software Freedom Day at their Campuses which includes Workshops on Python, Linux, Scilab and NETBEANS, Ruby, Word Pressas well as Poster Exhibition, Quiz competition, seminar etc.(A brief report is available at:<http://clubs.gtu.ac.in/uploads/1413456513SFD.pdf>)

4. GTU OSTC Nodal Centers:

In August 2010, GTU had set up the GTU Innovation Council (GIC) to establish close linkages with industries and businesses. As a part of GIC, GTU has set up 25 GTU Innovation Sankuls, which are regional communities of GTU educational institutions and the industries in the region. To strengthen the working of OSTCs through coordination, Nodal Centres at each Sankul are being established.

In 22 out of 25 Sankuls, Nodal Centres for the Open Source movement have been set up.

➤ It is expected that in every Sankul, the Nodal Centres will strengthen the open source movement in the Colleges so that students and faculty members not only start using open source technologies but would also start contributing new technologies and improving existing technologies. Participation in such work makes one a part of an international movement and sharpens the technical competence of the participants.

➤ OSTC Nodal Centres' Co-Ordinators are visiting colleges to organize Faculty Development Programs as well as workshops for students.

➤ OSTC Nodal Centres are organizing regular meet up of their sankuls college co-ordinators.

➤ By the end of the month, the Nodal Centres are giving activity reports to the GTU and prepare monthly activities calendar.

➤ Nodal Centre Co- Coordinators are expressing their views on benefits of opening OSTC to other Colleges and encouraging all the colleges under them to establish Open Source Technologies Club.

➤ Faculties believe that Open Source Technologies Club has been a boon to the students who cannot afford to join and pay huge amount of money to a teaching institute for learning new technologies.

As more than one-half of the software acquired over the next several years will be open source, according to industry research, survey continues to show Open Source is consuming the world as the inherent quality, functionality, and increasingly ease of deployment creates a powerful gravitational pull on people and industries, Today GTU's Open Source Technological Clubs are most active and flourishing in exquisite manner all across the state.

References:

1. 2014_ The Future of Open Source-<http://www.slideshare.net/blackducksoftware/2014-future-of-open-source-survey-results>
2. <http://clubs.gtu.ac.in>

Some Glimpse of the various activities Conducted under OSTCs:



Prepared by:
Ms.Toral Vandara



4TH ANNUAL CONVOCATION Events & Conferences



Report on Conferences, Faculty Development Programs, Workshops, Seminars and other Academic Events

4th
ANNUAL
CONVOCATION
Thursday, 22nd January, 2015

INTRODUCTION

Gujarat Technological University's (GTU) Conference Section organizes all the Workshops, Seminars (National/International), Conferences (National/International), Global Meets, Motivational Speeches, Faculty Development Programs, Award Ceremonies and other academic events at GTU Campus and at GTU affiliated colleges. The conference section has successfully handled more than 200 plus different events in last 1 year at university campus. Here are the glimpses of the same

NATIONAL LEVEL SEMINARS/CONFERENCES/WORKSHOPS

- 1 A Seminar on “**Designing Structure of Technological Universities (DSTU) for coping with challenges of the 21st century (with a special focus on universities in the Indian subcontinent)**” on 8th and 9th January, 2014 at GTU Chandkheda Campus, Ahmedabad. The seminar was inaugurated by Shri Bhupendrasinhji Chudasamaji, Hon. Minister of Education and Government of Gujarat in the presence of 44 Vice Chancellors / Pro-Vice Chancellors from various universities across the country. Dr. Jayanti Ravi, Commissioner, Hon. Technical Education, Govt. of Gujarat was also present.
- 2 Second International Conference on “**Corporate Governance: Contemporary Issues & Challenges in Indian Economic Environment**” was organized by Gujarat Technological University from 14th- 15th March, 2014 at Gujarat Technological University Chandkheda Campus, Ahmedabad. The program was inaugurated by Dr Akshai Aggarwal, Hon'ble Vice Chancellor, GTU. The Keynote Speakers were **Prof. Bharat Dalal**, Honorary Director, Centre for Governance Systems - GTU & Management Consultant, **Shri Piyooosh Gupta**, Head, Security and Exchange Board of India (SEBI), Western Region, **Mr. S. Rajaram**, CEO, Erhardt Leimer India Private Ltd., **Mr. Kaushal Mehta**, Founder & CEO - Motif India., **Dr. Shashank Rathod**, Leading Ophthalmologist, Ahmedabad, **Dr. Samo Bobek**, Professor of Business Information Systems, Faculty of Economics and Business, University Of Maribor, Slovenia and **Guruji G. Narayana**, Board Member, Centre for Business Ethics & CSR at Gujarat Technological University and Chairman of Yash Papers Ltd. and Punjab Chemicals & Crop Protection Ltd. Guruji Narayana serves as the Chairman Emeritus of Excel Industries Ltd.
- 3 Gujarat Technological University (GTU) & Global Talent Track (GTT) organized a Seminar “**CEOs in the Classroom**” at GTU Chandkheda Campus, Ahmedabad on 2nd August, 2014. The seminar was a unique opportunity to interact with a high powered panel CEOs in the classroom comprising of industry leaders well known for their thought leadership and innovative ideas for growth and transformation. Inauguration was done by **Dr. Akshai Aggarwal** and the Panel Discussion was done by **Dr. Jamme Jaya**, Chairman, Boston Consulting Group, India, **Dr. Ganesh Natarajan**, Vice Chairman, Zensar Technologies & Chairman NASSCOM Foundation, **Vikash Khosla**, President, Aditya Birla Insulators, **Romesh Kaul**, Managing Director, Mahindra Gears and Transmissions Pvt Ltd and **Dr. Uma Ganesh**, CEO GTT.
- 4 A one day Seminar on “**Sustainable Development: Innovations in Energy Sector**” at GTU Chandkheda Campus, Ahmedabad on 20th August, 2014. The key note address was given by **Dr. Sreenivasa Murthy** Vice Chancellor of the Central University of Karnataka, **Dr. Vishal Singh**, Coordinator Institute of Studies and Research in Renewable Energy (ISRRE), V. V. Nagar, **Dr. Savsani Vimal**, Associate Professor PDPU and **Shri Urvish Dave**, Project Consultant at Renewable Energy Arena.

- 5 A one day Seminar on "**Smart Cities - Quo Vadis?**" at GTU Chandkheda Campus, Ahmedabad on 30th August, 2014. The seminar was inaugurated by **Dr. Akshai Aggarwal**, Hon'ble Vice Chancellor, GTU. The chief guest of the seminar was **Shri Sudhir Mankand**, Chairman GIFT City, Gandhinagar and Ex-Chief Secretary, Govt. of Gujarat. **Shri Rajnikant Patel**, Advisor GTU and the Consultant to Kalpasar Infrastructure Activities Project, Government of Gujarat, Gandhinagar introduced the key note speaker **Dr. Ian Mell** is a Lecturer in Planning & Civic Design in the Department of Geography & Planning at The University of Liverpool, U. K.
- 6 A one day Seminar on "**Mars Orbiter Mission (MOM) - Spacecraft & Mission**" was organized by Gujarat Technological University in association with Space Application Centre (SAC/ISRO), Ahmedabad at GTU Chandkheda Campus, Ahmedabad on 15th November, 2014. The Seminar was inaugurated by **Dr. Akshai Aggarwal**, Hon'ble Vice Chancellor, GTU. The Key note speakers were Shri **A S Kiran Kumar**, Distinguished Scientist and Associate Director, Space Applications Centre (SAC), Ahmedabad, **Shri N M Desai**, SAC, **Shri Vikas Patel**, SAC.
- 7 National Workshop on "**Development of Policy Framework for Innovation & Student Entrepreneurship for Universities with a Large Number of Affiliated Colleges**" was organized by Gujarat Technological University jointly with All India Council of Technical Education (AICTE) from 21st November to 22nd November 2014. The workshop was inaugurated by **Dr. Akshai Aggarwal**, Hon'ble Vice Chancellor, GTU. The Key note address was given by **Mr. M. K. Hada**, Advisor, AICTE and **Shri Kris Gopalakrishnan**, Co-Founder & Ex-CEO of Infosys. The Workshop was a huge success.
- 8 A one day Workshop on "**Vishwakarma Yojana Phase II**" was organized by Gujarat Technological University at GTU, Chandkheda Campus, Ahmedabad on 15th June, 2014. Welcome address was given by **Dr. Indrajit Patel**, Director, Vishwakarma Yojana. Technical session was handled by **Ms. Jagruti Shah** Project Coordinator.
- 9 Two days' Workshop on "**Student Start - up Support System (S4) Making Final Year Projects more Innovative**" was organized by Gujarat Technological University at ACPC Building, LDCE Complex, Ahmedabad on 2nd & 3rd August, 2014. **Mr. Ateet Bajaj** and **Mr. Kumar Manish** took the faculty members through the tour of the process of crowd funding. **Mr. Hiranmay Mahanta** and **Mr. Ateet Bajaj** took the faculties through a tour of projects made by students during the recently finished CFI (Crowd funding Initiator) Program. **Mr Amit Patel** explained various IPR related interventions like PSAR, PDE, etc and their relevance during the innovation value chain. **Mr. K. Thyagrajan** conducted session on the power of lateral thinking. And other speakers were **Mr. Ankit Machchar** of i Create, **Mr. Yash Saxena** and **Mr. Kaushik Akiwatkar**.
- 10 **9th Patent Clinic** a Two Days Workshop on "**Patent Search, Drafting & Filing**" For Engineering & Pharmacy Faculties / students of GTU was organized by Gujarat Technological University on 18th & 19th September, 2014 at ACPC Building, LD College of Engineering Campus, Ahmedabad.

INTERNATIONAL SEMINARS/CONFERENCES/WORKSHOPS

- 1 A Seminar on **Global Country Study Program: Key to Explore Global Market** organized by Gujarat Technological University on 6th January, 2014 at GTU Chandkheda Campus Ahmedabad. The Key note speakers of the seminar were **Mr. Sunil Modi** President of family owned firm Named Babu Kakkal & Sons and **Mr. K. H. Patel** former Indian High Commissioner to Uganda and Ambassador to Rwanda and Burundi.
- 2 Two days International Conference on "**Management of Globalised Business; Emerging Perspectives**" was organized by Gujarat Technological University jointly with Marwadi Education Foundation Group of Institutions, Rajkot from 22nd to 23rd February, 2014 at Marwadi Education Foundations Group of Institutions Campus, Rajkot. The Chief Patron of the conference were Hon'ble Vice Chancellor of GTU, Dr Akshai Aggarwal and Hon'ble Shri Ketanbhai Marwadi, Chairman, MEFGI Advisory Committee. While the Patrons were Shri Jitubhai Chandarana, Vice Chairman, MEFGI and Dr K. K. Khakhar, Advisor, MEFGI.

- 3 A one day Seminar on “**International trade & GCSR Country Allocation for the academic year 2014-15**” organized by Gujarat Technological University on 25th July, 2014 at GTU Chandkheda Campus, Ahmedabad. The Key note speakers were **Dr. P. G. K. Murthy**, Dean, Faculty of Management, GTU and Director, Parul Institute of Management and Research and **Mr. Sunil Modi**, Board of Advisor GCSR.
- 4 A one day Seminar on “**Lessons from the Join Projects with DHBW, Germany on Cooperation Management**” on 18th August, 2014 at GTU Chandkheda Campus, Ahmedabad. **Dr. Ramesh Shah, Dr. Khajuria** and **Dr. Juanre** and **Dr. K N Sheth** had shared the outcomes and lessons learned from the joint research project as a core research team members.
- 5 A one day Seminar on “**Global Quality Management & Lean Six Sigma**” on 23rd August, 2014 at GTU Chandkheda Campus at Ahmedabad. The Expertise who were present in the seminar were **Mr. Sanjay Trivedi** Black Belt [Govt. of India] and **Mr. Suresh Patel** Black Belt(ASQ).
- 6 A one day Seminar on “**Global Accreditation for Business School by ACBSP, USA**” on 6th November, 2014 at GTU Chandkheda Campus, Ahmedabad. Key Note Speech was given by **Dr. Akshai Aggarwal**, Hon'ble Vice Chancellor, GTU and the chief guest for the seminar was **Mr. Douglas Viehland**, Executive Director, ACBSP, USA. **Dr. Rajesh Khajuria**, Hon. Secretary, Region 10 (Asia-Pacific) shared Case Study on Experience of Going through Global Accreditation at CKSVIM.
- 7 One day Workshop on “**Acquainting International Students with GTU's Higher Education System**” on Saturday, 5th June 2014 at GTU Chandkheda Campus, Ahmedabad. The welcome address was given by **Dr G. P. Vadodaria**, I/c Registrar of GTU. Key note speech was given by **Dr. Akshai Aggarwal**, Hon'ble Vice Chancellor, GTU. And the experts who were present at the workshop were **Dr. S.R. Joshi, Prof. D. R. Shah, Dr. A. R. Patel, Mrs. Saha Geetali Sukanta** and **Prof. R. C. Gajjar**.

FACULTY DEVELOPMENT PROGRAMS

- 1 Faculty Development Program “Workshop on NUVOTON” New Micro ARM Cortex-M0 on 18th & 19th January, 2014 at BISAG, Gandhinagar.
- 2 DP for Cloud Computing Subject offered in MCA program on 7th & 8th February, 2014 at GTU, Chandkheda Campus.
- 3 One Day RTI Training Seminar to deal with RTI applications effectively and efficiently by all the sections of university on 8th February, 2014 at GTU, Chandkheda Campus.
- 4 Four days training program for one module of SCP, SWEBOK programme for the students and faculties of GTU PG SCHOOL on 10th 13th February, 2014 at BISAG, Gandhinagar.
- 5 FDP for faculty members/principals S4 Extensions centre coordinators and Udisha club coordinators by Deshpande foundation on 2nd March 2014 at GTU, Chandkheda Campus.
- 6 Oracle Academy Program Developing IT Skills on 2nd 6th June, 2014 at GTU, Chandkheda Campus.
- 7 Faculty development program on ORACLE on 23rd 27th June, 2014 at GTU, Chandkheda Campus.
- 8 Faculty development program on “quantitative techniques for scientific research using statistical software” on 21st 25th July, 2014 at GTU, Chandkheda Campus.

- 9 FDP on New Electives and Specialization in MBA Program on 18th August, 2014 at GTU, Chandkheda Campus.
- 10 Workshop on Embedded System Design Using MSP430 on 23rd August, 2014 at GTU, Chandkheda Campus.
- 11 FDP on Use of Biochar in Agriculture & Pollution Control on 24th August, 2014 at GTU, Chandkheda Campus.
- 12 FDP on "NuMicro ARM Cortex-M0" its Applications" on 6th and 7th September, 2014 at GTU, Chandkheda Campus.
- 13 3 Days FDP on Design Engineering:
 - A. On 6th-7th November, 2014 at ACPC Building, L. D. Engineering College, Ahmedabad.
 - B. On 10th - 12th November, 2014 at ACPC Building, L. D. Engineering College, Ahmedabad.
 - C. On 14th - 16th November, 2014 at ACPC Building, L. D. Engineering College, Ahmedabad.

GLOBAL MEETS

- 1 Gujarat Technological University Centre for Business Ethics & CSR organized “4th Annual Leadership Excellence Meet” on 6th September, 2014 at GTU, Chandkheda Campus, Ahmedabad. The fourth leadership meet was unique in the sense that the first Indian Motivational Speaker **Ms. Abha Maryada Banerjee** was the key note speaker for the event. And then there were **Dr. Shailesh Thaker** and **Mr R Sunilkumar** as key note speakers who gave their motivational speeches for leadership.
- 2 Meeting of **Dr. Akshai Aggarwal**, Hon'ble Vice Chancellor, GTU with **Delegation of Vietnam** on 5th August, 2014 at GTU Chandkheda Campus, Ahmedabad.
- 3 Meeting of **Dr. Akshai Aggarwal**, Hon'ble Vice Chancellor, GTU with **Delegation from HUST - China** on 13th August, 2014 at GTU Chandkheda Campus, Ahmedabad.
- 4 Meeting of **Dr. Akshai Aggarwal**, Hon'ble Vice Chancellor, GTU with **Japanese High Level Delegation from FUJITSU** on 16th October, 2014 at GTU Chandkheda Campus, Ahmedabad.

AWARD CEREMONY

- 1 Gujarat Technological University Innovation Sankuls Consortium of Co-Chairpersons (industry) and CMAI association of India organized “2nd CCI Technology Education Excellence Awards 2014”. CCI Technology Education Excellence Awards 2014 was announced by CCI and CMAI to highlight academic achievement of Universities. The Award function was organized at GTU Chandkheda Campus, Ahmedabad on 19th July, 2014.
- 2 Gujarat Technological University Innovation Council has organized “Pedagogic Innovation Awards”. The Pedagogic Innovation Awards are for recognizing the work at an individual and at an institutional level. The Award function was organized at GTU Chandkheda Campus, Ahmedabad on 5th September, 2014.

NATIONAL DAYS CELEBRATION

GTU has 12 PG Research Centres which study the various fields of Management, Engineering and Pharmacy. Under Centre for Global Business Studies, has initiated Global Country Study (GCSR) Program, under which the MBA students and faculties study various countries of the world for increasing business inter-actions between India and the world. To make the GCSR program more effective, GTU has decided to celebrate the National Days of GCSR countries.

Following National Days were celebrated at GTU Chandkheda Campus, Ahmedabad.

1. Sri Lanka & Iran on 8th February, 2014
2. Bangladesh & Mauritius on 1st March, 2014
3. Tunisia & Hungary on 30th March, 2014
4. Zimbabwe & Syria on 19th April, 2014
5. Afghanistan, Indonesia, Ukraine & Uruguay on 23rd August, 2014
6. Brazil, Malaysia, Mexico & Uganda on 7th September, 2014
7. China, Malta, Chile & Germany on 21st September, 2014
8. Zambia, South Korea, Austria & Taiwan on 11th October, 2014
9. Angola, Myanmar, Turkmenistan & Cambodia on 15th November, 2014

OTHER EVENTS

- 1 Gujarat Technological University hosted the virtual rounds of the eighth edition of **BAJA SAEINDIA 2015** in Chandkheda Campus, Ahmedabad on 1st & 2nd August, 2014. In order to provide an opportunity for young, enthusiastic and talented engineering students of Gujarat, to showcase their passion for automobiles while encouraging them to conceive, design and fabricate 4-wheeled single-seater all-terrain vehicles. The main reason for hosting the event at GTU was to inspire students and colleges of Gujarat to integrate classroom learning with practical exposure. GTU and Mahindra & Mahindra joined hands to successfully conduct virtual selection rounds of **BAJA SAEINDIA 2015**. The event hosted by GTU saw more than 1500 participants from the 320 participating colleges from across the country which presented designs of the buggy vehicle they plan to create for the finale in February 2015 in front of 50 plus judges from Automobile industry.
- 2
- 3 **Orientation Program for Students** was organized at BISAG, Gandhinagar on 25th August, 2014 for newly admitted students of GTU PG School, BISAG, Gandhinagar.
- 4 **Expert Talk on High Speed Rail When, Where, Why & How?** at GTU Chandkheda Campus, Ahmedabad on 31st August, 2014.
- 5 Orientation Program for "**PG Diploma in IPR Course**" was organized at GTU Chandkheda Campus, Ahmedabad on 5th September, 2014.

GTU Celebrated Mahatma Gandhi's Birthday as "**Swachh Bharat Abhiyan**" on 2nd October, 2014.
- 6 GTU Celebrated Sardar Vallabhbhai Patel's Birthday as "**National Unity Day**" on 31st October, 2014 at GTU Chandkheda Campus, Ahmedabad. All the employees of GTU participated in "Run for Unity" also on that day.

Prepared by:
Prof. Almas Juneja
Dr. Sarika Srivastava
Mr. Gopal Bhatt



4TH ANNUAL CONVOCATION e-Campus

11 GTU Programmes

11.1 e-Library

11.2 e-Learning



e-Library

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Gujarat Technological University is having vision and mission to provide faculties and students a vast ocean of knowledge for the high tech human life, easy and anywhere accessible knowledge for the students for their development.

With this thought GTU **e-Library** is born for its all stake holders under the guidance of members of “Library Advisory Committee”.

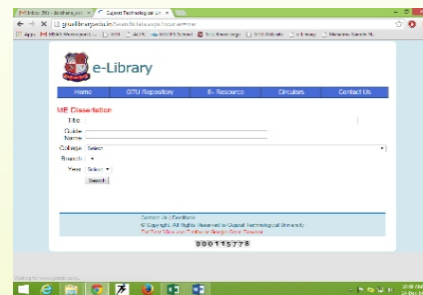
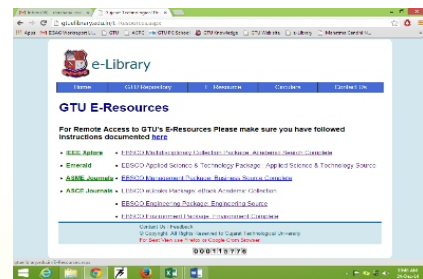
GTU has subscribed and created the knowledge exploration of e-Library by procuring e-Resources and subscription of total titles 174 IEEE journals, magazines, and transactions for IEEE proceedings, newsletters, magazines and standards, EMERALD with no of 237 subject title, ASCE with no of 34 title, ASME with no of 24 title.

GTU has facilitated **Remote Login Access** to ME and Ph.D. Guide, Supervisor and students. Simultaneously GTU has developed LAB at one of the center at L.D. Engineering colleges from where students can access remotely.

The other useful data access and creative part of e-Library is the GTU Repository, which has accessibility to various contents like Dissertation, ME-MBA-MCA-Vishwakarma Yojana-BE (IDP/UDP) project, Conference Proceedings have been made available as a specimen or reference material to the future students.

E-Library arranged workshop for the faculties and students on “**User Awareness Program**”, for uplifting research skills of technical content with paper in IEEE Explore Digital Library.

GTU e-Library arranged one more program “**Faculty Development Programme**” in collaboration with IEEE and IIT, Gandhinagar. The vision of FDP was to improve the quality of Engineering Education in India and to create and deliver a program that would upgrade the skills of faculties to International standards.



Prepared by:
Ms. Darshana Chauhan



ACTIVE LEARNING VIDEO LECTURE COMMUNICATION SERIES (ALVCOM)

OVERALL SCENARIO

Gujarat Technological University had started the live Video Lecture Telecasting series known as **ALVCOM** from Saturday, 1st September 2012. This venture of GTU was supported with the help of technical facility from **BISAG Bhaskaracharya Institute for Space Applications and Geo-Informatics situated at Gandhinagar.**

Vision:- This venture was started with a vision of enabling students of GTU affiliated colleges to have an access to video lectures from eminent faculties all over Gujarat and thus creating a platform of knowledge sharing.

Objective:- To propagate active Learning and lectures on various subjects by well-known experts and to provide a platform for communicating with all colleges, students and teachers simultaneously to disseminate ideas and information of technology domain.

GTU had invited all the professors, lecturers and faculty members, those who are interested, to participate in this project.

During the 1st Phase of ALVCOM

After conducting a research in various colleges and institutes, four subjects from the **Degree course** and four from the **Diploma course** of engineering were identified wherein there was the highest rate of failure. The subjects that were identified are as follows:

Diploma - Subjects	Degree - Subjects
Communication Skills	Computer Programming and Utilization
Engineering Drawing	Calculus
Engineering Mechanics	Mechanics of Solids
Mathematics	Engineering Graphics

• Now Let us look at the Journey of ALCE

Sr. No	Name Of the Workshops	Date	No. Of Participants	Subjects Covered Degree & Diploma
1	Active Learning- Creating Excitement In the Classroom- General	13 th May 2012	60	Computer Programming and Utilization, Calculus, Mechanics of Solids, Engineering Graphics, Communication skills, Engineering Drawing, Engineering Mechanics, Mathematics
2	Active Learning- Creating Excitement In the Classroom for the Subject “Engineering Mechanics”	19 th May 2012	6	Engineering Mechanics
3	Visualization of Calculus	4 th - 8 th June 2012	20	Calculus
4	Pedagogy Sessions in Calculus	25 th - 29 th June 2012	70	Calculus
5	Active Learning – Creating Excitement in the Classroom- “Computer Programming and Utilization”	29 th June 2012	27	Computer Programming and Utilization
6	Learning Management System - Web and Mobile Application Development	3 rd July 2012	Students	Computer Programming and Utilization
7	Active Learning – Creating Excitement in the Classroom’- “Engineering Graphics (B.E. 1st Year) & Engineering Drawing (Diploma 1st Year)”	9 th July 2012	61	Engineering Graphics and Engineering Drawing
8	Active Learning – Creating Excitement in the Classroom- Report of workshop on Pedagogy Sessions of “Computer Programming” at Diploma Engineering	24 th -26 th July 2012	18	Computer Programming
9	Active Learning Promotion Strategy Sessions	17 th August 2013	50	-
10	Geometrical Interpretation of Mathematical Concepts”	7 th June 2014	36	Mathematics

11	Training Session on Cognifront's "Classroom Assistant 2014"	6 th September 2014	33	Trained with a software "Classroom Assistant 2014"
12	1st ever Open Air Live Class Room at BISAG under GTU's ALVCOM	8 th November 2014	Initiative by Prof. Yash Chawla along with its 6 Students.	Engineering Curves
13	Geometrical Interpretation of Mathematical Concepts	28 th - 29 th November 2014	20	Mathematics

On 1st September 2012 the first such live broadcast took place through BISAG. Two slots from 3:00pm to 5:00pm were allotted to Prof H.C. Patel from L.D. College of Engineering Ahmedabad who delivered lecture of Calculus on Convergence of Sequence and Series.

Photo Gallery:-



Equipment Setup at BISAG

On 2nd September 2012, 4 slots were allotted with duration of an hour each, where from, 11:00 am to 12:00, Mr Satvik Khara from Silveroak College of Engineering delivered lecture on Basic Introduction to Computer Programming - C Language from the subject Computer Programming and Utilization. The session from 12:00 to 1:00 pm was conducted by Mr Yash Chawla on the Introduction to Engineering Graphics from Parul Institute of Engineering and Technology.

The session from 1:00 to 3:00 pm was conducted by Mrs. Hiral Gaud on Introduction to Tenses from Parul Polytechnic Institute (First Shift). We started the 1st Phase from **1st September 2013** and completed that on **17th March 2013**. We were able to live broadcast **153 lectures** covering the entire syllabus of all targeted 8 subjects. We had **50 faculties** from **27 different degree and diploma engineering colleges**.



Live Broadcast at BISAG



BISAG Studio

During the 2nd Phase of ALVCOM

We started the 2nd Phase with different set of subjects from 24th March 2013. This time 2nd semester of Degree and Diploma Engineering was the main center. In Diploma we **included subjects from Civil, Mechanical & Electrical Branch.**

Diploma -Subjects (Includes Civil, Mechanical & Electrical Branch)	Degree-Subjects
Mathematics-II	Chemistry
Electrical Circuit	Elements of Electrical Engineering
Mechanical Drafting	Vector Calculus and Linear Algebra
Civil Engineering Drawing	Physics
Applied Science-II [Chemistry]	

2nd Phase of ALVCOM started from **24th March 2013** and completed on **29th December 2013**. We were able to live broadcast **248 lectures** covering the entire syllabus of all targeted 9 subjects. We **had 43 faculties** from **23 different degree and diploma engineering colleges.**

In the year 2014 we were able to broadcast **282 lectures** involving **29 faculties** from **14 different colleges.**

Please visit us on YouTube at:

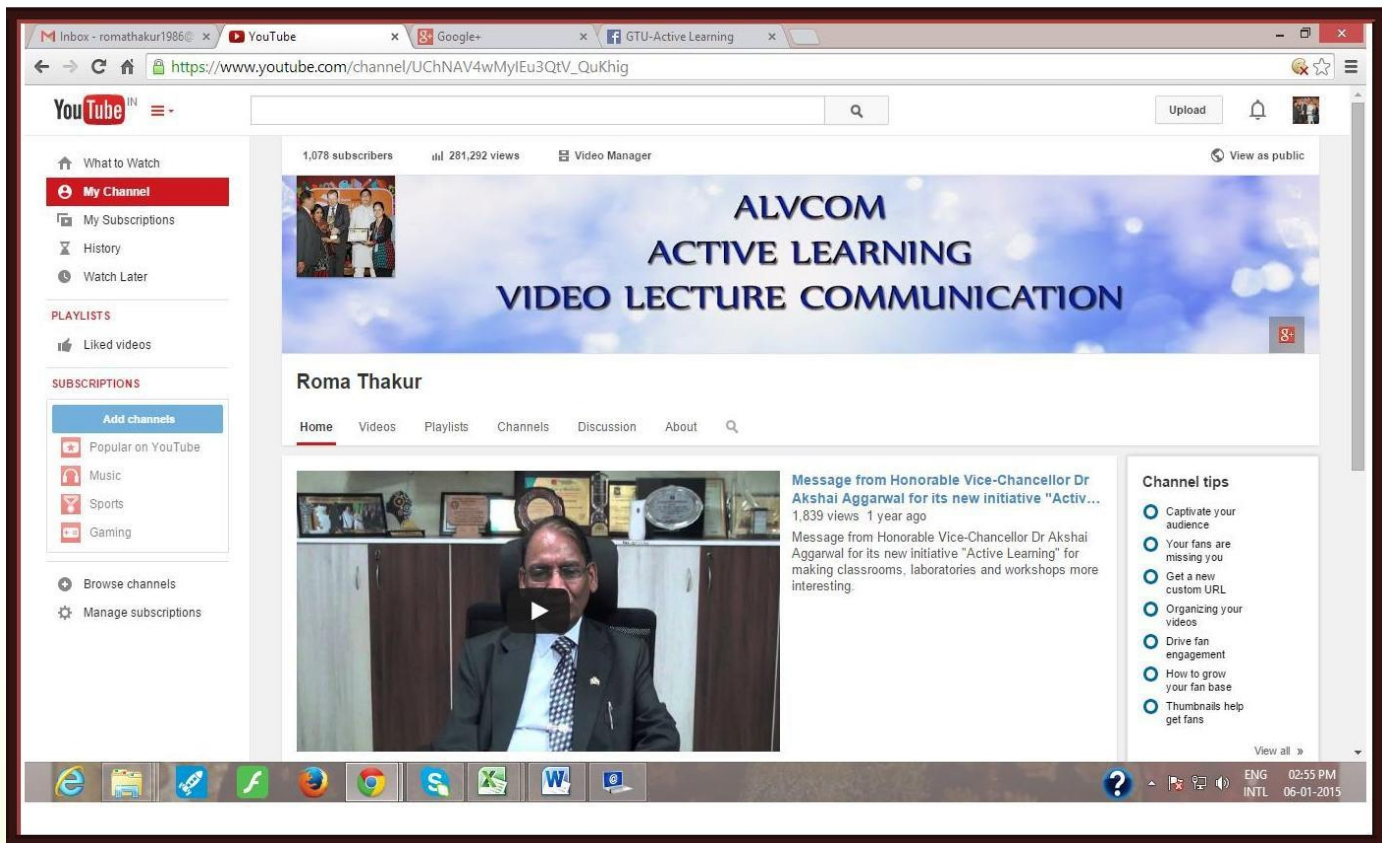
<https://www.youtube.com/channel/UChNAV4wMyIEu3QtVhg>

We have **1,078 subscribers** on our channel with **281,292 views.**

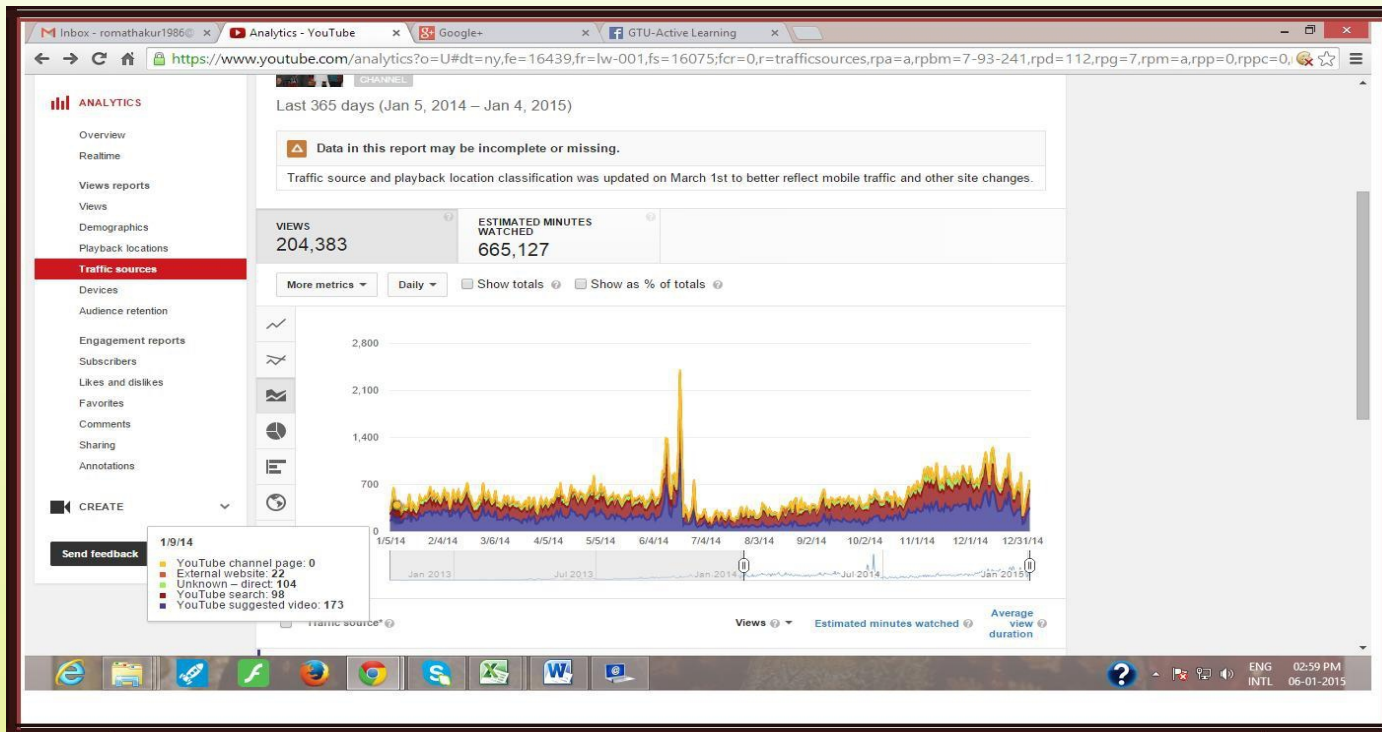
Please visit us on Face book at:-

<https://www.facebook.com/gtuactivelearn>

We have **7,462 viewers** who are accessing information daily.



YouTube Channel Trailer





Analytical Views

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CONVOCATION
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- ✓ It was a very nice experience of taking lecture for ALVCOM. I would be glad to take a few more.
-Mrs. Hiral Gaud
Parul Polytechnic Institute (First Shift, Vadodara)
- ✓ It was a great experience giving the lecture today at BISAG. This initiative is really going to help a lot of students.
-Mr Yash Chawla
Parul Ins. Of Engineering & Technology, Vadodara
- ✓ I am very glad to be a part of this AVLCOM series for the development of the students and very thankful to GTU who gave me a chance to contribute myself for this noble cause.
-Prof. Mahesh A. Yeolekar
Amiraj College of Engineering & Technology, Khoraj
- ✓ I am very happy with the idea of the video lecture series. I want to suggest that please create a website and upload the video lectures there for majority access and easy downloading by students.
-Rushi Mehta
GTU Student

Prepared by:
Ms. Roma Thakur



**4TH ANNUAL CONVOCATION
FACULTY
DEVELOPMENT
PROGRAMS**



FACULTY DEVELOPMENT PROGRAMS at GTU

Report on FDP conducted by Tata Consultancy Services (TCS) for "Advance Java Programming"

4th
ANNUAL CONVOCAATION
Thursday, 22nd January, 2015

As GTU is going to introduce revised syllabus in Semester 6 of Diploma Engineering courses & in order to help faculties better understand new topics from industry perspective, GTU has organized two day workshop in collaboration with the support from Tata Consultancy Services (TCS) for 'Advance Java Programming'. Based on a tripartite discussion with Dr. Akshai Aggarwal, Vice Chancellor GTU, Mr. Rohit Shah, CSR Committee Chairperson GCCCI, Mr. Raj K Jha, ILP Head and Mr. Kishan Gopal, CSR TCS Gandhinagar, GTU proposed to organize the FDP for diploma faculties on 19th and 20th Dec at GTU.

Faculties were looking forward to such training and chances of using any methodology and strategy suggested by TCS which can have enormous chances of reaching directly to students in a very short period of time

To understand on ground requirement Sunny Arora and Suyog Mittal (both ILP faculties) and Kishan (CSR) interacted with prospective participants Mr. Riyaz Shekh, Ms. Rekha Shah, and Mr. Manisha Mehta. Prof. Kshama Shah, OSD at GTU shared delta change in curriculum:

Keeping all inputs in mind ILP faculties under guidance of Deepak Jena prepared the content and Sunny Joshi, Suyog Mittal, Aryan Singh and Manpreet Sidhu contributed extensively in content development

For the timely start of the FDP, Mr. Deepak Jena and Mr. Kishan visited BISAG campus a day prior to FDP to ensure software installation for hands on practice Following Software were used for the FDP

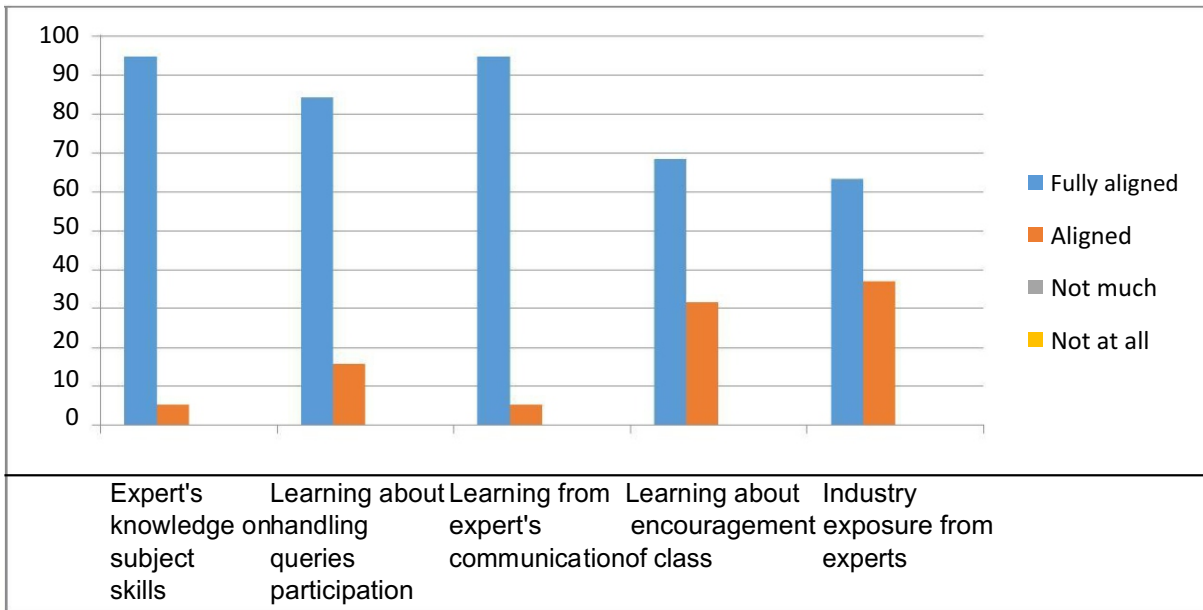
- JDK 6
- Eclipse Galileo
- Apache Tomcat 6
- Oracle Express Server
- Oracle Client

FDP was inaugurated by Mr J. C. Lilani, I/C Registrar, GTU in presence of Mr. Rohit Shah Chairperson for CSR committee of GCCCI on 19th Dec. Both expressed their gratitude to TCS for conducting FDP. 19 participants from 15 Diploma Engineering Colleges from across Gujarat participated in the training

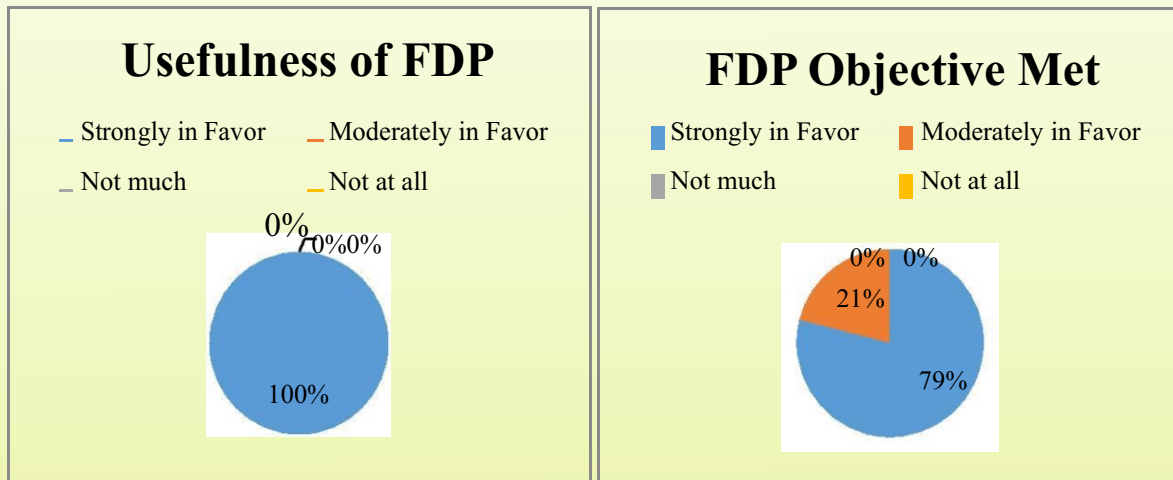
Mr. Sunny Joshi and Mr. MuraliKashipati conducted first day sessions on JAVA database, client server, Applets and AWT. Deepak Jena and Suyog Mittal conducted day two session on Servlets, JSP and industry expectation & guidance to students The workshop demonstrated and taught the faculties to use excellent teaching methods to enable the students to get detailed knowledge in Advance Java Programming. Also well-defined instructional techniques validated by careful, documented, repeatable research that make teaching more effective were taught. These techniques can be introduced slowly and methodically, without compromising coverage of the syllabus.

The workshop also included discussions regarding active learning, various forms of active learning methods and other related techniques to help students in achieving the objectives and outcomes mentioned in the subject.

Feedback of faculties:






- 95% participants benefited and learnt from experts' communication skills.
- 95% participants were fully satisfied with the experts' domain knowledge.
- 82% participants had indirect learning from experts about handling queries.
- 68% participants were in full alignment with learning about encouragement of class participation, remaining 32 % were in alignment of the same.
- 38% participants who were in alignment of industry exposure of experts, mentioned that the time duration for the FDP shall be extended so that TCS faculties can share more examples.






100 % participants were in strong favor about usefulness of FDP 79 % participants were strongly in favor about meeting FDP objective, 21% were

The following faculties attended the FDP :

Sr.no.	Name	Institute Name
1	Pareshkumar Mohanlal Tank	B & B Institute Of Technology
2	Anil L Munani	BBIT, V.V.Nagar
3	Smtrekha M Shah	Government Polytechnic, Ahmedabad.
4	Harshad Parmar	Government Polytechnic Himatnagar
5	Hardik J. Prajapati	G P Himatnagar
6	Mitesh Pardeshi	Parul Institute Of Engineering And Technology (Diploma Studies)
7	Dipesh	Parul Poly Technic Institute
8	Neha Sunilkumar Chaurasia	Parul Polytechnic Institute
9	Shruti Thakkar	Parul Polytechnic Institute
10	Dileepkumar Labana	R C Technical Insitute Sola Ahmedbad
11	Ravi Gandhi	Sarvoday Polytechnic Institute
12	Vaghashia Pratixaben P.	STBS College Of Diploma Eng.
13	Tandel Ketanaben Manilal	Vallabh Budhi Polytechnic, Navsari
14	Patel Sandeep Shankarbhai	Vallabh Budhi Polytechnic, Navsari
15	Brijesh Patel	S. B. Polytechnic Savli
16	Mrs.Kalpana R Raj	Shree Swaminarayan Polytechnic, Sector-22, Gandhinagar
17	Ms. Mittal V. Joshi	H. B. Patel Institute Of Diploma Engg. & Technology.
18	Mr. Ravi V. Mistry	N. B. Patel Polytechnic, Piludara
19	Sukhadiya Raviraj Vijaykumar	Sigma Polytechnic
20	Priti N Parikh	C. U. Shah Polytechnic Wadhwan

	<p>Harshad R Parmar, Principal, Government Polytechnic, Himatnagar, Dist: Sabarkantha: A real industry institute interaction related to curriculum. Method of teaching with two experts simultaneously is an innovative and excellent experience. This Teaching series is very important for all teachers. The teachers, teaching this subject are strongly recommended. Go through this training.</p>
	<p>Pareshkumar Mohanlal Tank - B & B Institute of Technology: “Excellent workshop by GTU and TCS, with excellent fulfilment of objectives with every aspect of the subject Advance Java Programming</p>
	<p>Dileepkumar Labana - R C Technical Institute Sola Ahmedabad: The FDP was really good and I could update my knowledge regarding</p>

regarding the industrial applications of the subject "Advance Java Programming". Such FDP is really helpful to faculties as well as students. I suggest more such FDP's to be arranged in nearby future.

	<p>Ms. Mittal V. Joshi - H. B. Patel Institute of Diploma Engineering & Technology: During FDP I could learn how to communicate and share the practical aspects of topic with students during teaching process. I gained detailed knowledge of Industrial applications of "Advance Java Programming". Thanks to GTU and TCS for organizing such workshop.</p>
	<p>Padiya Zarana Chandrakantbhai, I/C Director, Shree Laxminarayan Dev College of Computer Applications: The Faculty Development program was very extensive and helped to learn lot of things related to JAVA and the various object oriented tools related to JAVA technology.</p>
	<p>Sukhadiya Raviraj Vijaykumar, Sigma Polytechnic: We actually needed such FDP before implementation of revised syllabus in semester 6 in Diploma Computer Engineering. Thanks. I suggest more such FDP's to get detailed and complete industrial aspects of the subject "Advance Java Programming"</p>



Smt Rekha Manish Shah, Senior Lecturer, Computer Department, Govt Polytechnic, Ahmedabad: I am very thankful to GTU for organizing such a good FDP on request of us in a very short notice. The program was very useful to us. TCS team was very cooperative, knowledgeable and enthusiastic. They taught us many technical things. They shared with us their industrial experiences also.



Anil Ladharam Munani, Lecturer in Computer Department B & B Poytechnic, V.V.Nagar: GTU has built bridge between industry and education. I would like to say that before any great things are accomplished,

A memorable change must be made in the system of education to raise the lower ranks of society towards higher, which is started by GTU.



Hardik J. Prajapati, Lecturer, IT G. P. Himatnagar: Very nice workshop arranged by GTU with the help of TCS. We have received industrial / practical knowledge from them. I request you to arrange 1 week training for this subject. I also request you to arrange this type of workshops for other subjects also.



Way Ahead: TCS faculties can visit some of the diploma institutes to provide on ground engagement opportunities to participants. GTU can organize the visit for TCSers. TCS faculties would like to volunteer for the same. Also Since time duration was a felt constraint, participants couldn't have expected hands on experience. We may consider for one day follow up session for same faculties.

To reach out to Govt. Diploma Engineering colleges GTU would like to collaborate with DTE and request TCS to conduct FDPs. More than 700 faculties to be trained, on request of GTU, TCS and GTU can have a formal MoU to enhance Advanced Java Skills of Diploma Engineering Faculties.



Report On One Day Workshop on “CHANGING CHARACTERISTIC OF ENGINEERING EDUCATION” (Bridge course and Design Engineering)

4th
ANNUAL
CONVOCATION
Thursday, 22nd January, 2015

Engineering faculties from all over Gujarat attended a one day enlightening workshop on changing characteristic of Engineering Education at GTU.

At the outset **Dr G. P. Vadodaria, Registrar, GTU** welcomed eminent technocrat **Dr. P. V. M. Rao** Professor, Mechanical Engineering Department, IIT Delhi.

A teacher is a life - long learner who keeps on growing with his mounting knowledge and experience. To accomplish this, a comprehensive and newsy workshop was organized by GTU to enlighten the faculties of engineering about the current trends and the new phase of engineering education. A very dignified, broad minded cerebral **Dr. P. V. M. Rao** Professor, Mechanical Engineering Department & Coordinator, Student Innovation Center, IIT Delhi was invited to elucidate the significance of design aspect and the changes in the pedagogical practices which are mandatory to be implemented. More than 200 faculties across Gujarat participated in this workshop including **Dr. G. P. Vadodaria, Registrar, GTU, Dr. N. M. Bhatt, Coordinator-UG Syllabus Committee** and **Prof. Siddharth Jadeja, Bridge Course Co-ordinator, GTU.**



Engineering - From past to Present: Dr. Rao started his speech with the appreciation of GTU and its efforts mentioning that though GTU is 6 years old and IIT, Delhi is 50 years old, yet some of the courses in both engineering organizations are same. The dire need to change the curriculum was emphasized highlighting that in the past knowledge acquisition was the most important but in the 21st century the application of knowledge is more focused. He asserted, “**Multi-disciplinary approach is the need of the hour as no product building/design can take place in single discipline.**” The rational motive of team work was also brought into light. Self-study, team based learning and experiential learning must be encouraged. He asserted that the boundaries among engineering disciplines are becoming blurred. Hence, our emphasis should be on producing students who are not only “job seekers” but also “job creators”. The pupils must be encouraged to develop leadership skills which will help them to be responsible citizens. For this purpose, IIT Delhi has introduced a course titled “Professional Ethics & Social Responsibility” and it is encouraging that GTU has introduced a similar course named Life Skills”. Students should now not only be taught “how things work?” but also “how the world works”.



IIT Delhi Initiatives in Curricula: To confront the challenges in the 21st century, IIT Delhi has introduced four new courses in First Year: Engineering Visualization, Introduction to Engineering, Product Realization and Introduction to Specialization which aim to inculcate and hone the skills like technological literacy, mental visualization skills, project management skills, synthesis skills, communication skills, collaboration skills, problem solving skills and creative thinking skills. In these courses, the students have the flexibility to earn design credits beyond classroom. The first year courses are taught by an experienced teacher. Dr. PVM Rao himself conducts the class of nearly 800 students for the first year subject. The students are educated on how research in science/engineering has enormous impact on our day to day lives. The syllabus emphasize how engineering act as a vehicle for social and economic development. In this subject the students are enlightened on varied disciplines working together in engineering for the final product. As a teacher he also shared his administrative technique of controlling the mass of 800+ students in a hall where all the students are assigned the seat numbers and teaching assistants verify the student's attendance by noting down the absent numbers. Those students who fulfil minimum attendance criteria are declared pass. In the subject of Product Realization, the students are provided with the product building experience very early in the program. They are exposed to the concepts involved in product realization via “learning by doing” in teams very early in their programmes. In Introduction to Specialization, the students are given Hands-on exercises including Product Dissection Exercises in Smaller Groups, shown a movie/video pertaining to specialization with a preamble and post screening discussions, taken for lab visit related to on-going cutting-edge-research and also illustrated with the products/innovations which has reached people and made a large scale impact.

Other Initiatives by IIT Delhi: Inclusive Innovation Course, Medical Device Innovation Course, Student Innovation Center, Institute Open House Team Based Product Building Initiatives Design Innovation Center, Technology Business Incubation Unit & Technology Parks are such other opportunities that pave a way for the learners to harmoniously develop in their own way and carve a niche of their own at the end of four years.

Design and Innovation as Third Pillar: Underlining the role of design & innovation in Engineering, Dr. Rao highlighted that the present generation of students is showing a unmatched interest in design and innovation. As a result, the universities are taking up a role of addressing grand challenges facing our society and are becoming public spaces for innovation. Thus, the emphasis is now on development of ecosystem to take innovative ideas from labs & classrooms to industry & society. He also focused on the integration of technology with the usability along with its reachability to the stake holders. He encouraged need driven projects for which the students must be clear with the need of the project by their interaction with the users or the common mass. To make this feasible, the communication skills and interpersonal skills should also be honed.

He talked in brief about Team Based Product Building Initiatives by Students:

- **FSAE Formula One**
- **SAE Mini Baja**
- **CANSAT** (Can sized satellite)
- **Robotics Club**
- **IGEM** (Genetically Engineered Machine)
- **Robosub** (Underwater Submarine)
- **ENACTUS** (Community for clean cook stoves)
- **Boeing National Aero modeling Initiative**
- **ASME HPVC** (Human Powered Vehicle)

He emphasized on the significance of participation in some of the unique event for the students which offer them a real platform to exhibit and compete at an international level. He profoundly appreciated the success of GTU Affiliated College in ASME HPVC held at IIT Delhi, 2014. He explained how active participation in such events enables the students to apply the gained knowledge with hands on experience and also provide the exposure to real life technological challenges.

Teaching learning process: Dr. Rao asserted that the fundamentals of learning have not changed. A student learns one quarter of his or her knowledge from the teacher, and another quarter from using one's own intelligence; a third quarter is acquired from interaction with other students, and a fourth quarter is acquired through engaging in real-world experiences. Evidently, a faculty while teaching in the class is just one quarter of the learning curve and consequently, the conventional methods of teaching will not work in the current scenario. The real world experiences and being self-dependent and interacting with the peers also play a vital role in the teaching learning process. Thus the role of a teacher is changed dramatically and hence we must be geared up to welcome this radical change.

GTU from Dr. Rao's perspective (Dr. Rao's viewpoint on GTU):

Dr. Rao: IITs have taken significant steps for bringing design orientation, creating linkages between industry-academia and society and more practice oriented curricula during its last 50 years. But certainly looking at the direction of GTU (which is a 7 year old university) which is trying to ensure all the above mentioned agendas, it seems that it's one among the very few state universities which has a clear vision and commitment.

He further added that most of the innovative initiatives are student driven at IIT Delhi campus likewise GTU Innovation Council at GTU has also taken right steps in making the innovation movement student driven. Efforts in IP creation and large scale IPR initiatives at GTU are unique interventions by any state university at such a young stage.

Moreover he admitted that the concept of bridge course and efforts to make it a high quality program to harness creative potential of First Year Engineering students draws parallel with some of the beautiful initiatives at IIT Delhi and others. Now the next responsibility is to maintain the quality and periodically add value to meet its desired goal. He shared that in many national competitions even students of GTU have outperformed many other IITs and NITs. During 'Human Powered Vehicle Design' competition at IIT Delhi, GTU students of B.H Gardi College stood 2nd nationally. He emphasized that many more hidden talents might be there across the colleges of GTU and the right steps needed to be taken to scout and give them a platform so that they can compete at national and international levels. GTU through its innovation council and others is trying to make this arrangement.

He appreciated the leadership of the University for giving a clear goal and target with the time line so that a state university can perform at par with others like IITs in days to come. He appreciated over all agility of the leadership and processes at GTU which takes swift policy decisions for pedagogic interventions which is a main road block even in many nationally reputed institutes. The agility and humility with which the policy makers have led the effort are unique.

The pedagogic interventions at GTU seems to be inclusive as the authority at the university has brought every possible expert from institutes like IIT, IIM and others and tried to take their inputs and incorporate them where ever possible. This will take the efforts to a new height as more and more people will take ownership of this massive change via academic transformation.

The session ended with the vote of thanks by Dr. N. M. Bhatt.

Photo Gallery





Contributor Personality Development cell “CPDP Brainstorming Meeting”

4th
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CONVOCAION
Thursday, 22nd January, 2015

GTU has started Contributor Personality Development Program (CPDP) since June, 2012. The core objective of the program is to develop the “Contributorship” among the students of Engineering, Pharmacy and Computer Science.

GTU has organized a series of FDPs and workshops to train the faculties of CPDP during the initial phase. GTU's CPDP cell has recently obtained a feedback of faculties to know the faculties' views on the current status and the improvements in three core parameters of CPDP i.e Course Content, Pedagogy and Evaluation Pattern. Looking at the feedback, it was observed that there is a need to have a brainstorming on course contents, and pedagogy of CPDP which can strengthen the program.

So it has been decided to organize “Strengthening CPDP: A One Day Workshop on Rethinking on Contents and Pedagogy of CPDP” on 25th April 2014.

The objectives of the brainstorming meet were...

- (1) To discuss how to strengthen CPD program
- (2) To discuss the ways to improve course content
- (3) To discuss innovative techniques of teaching and learning pedagogy
- (4) To develop a platform for a continuous improvement in CPDP



The dignitaries on the Dias were (from left) Prof. Siddharth Jadeja (Executive Director, B.H.Gardi College of Engineering & Technology); Dr. G. P. Vadodaria, I/c Registrar, GTU; Dr. Akshai Aggarwal, Hon'ble Vice Chancellor, GTU; Mr. Biren Anand, Engagement Lead, Illumine Knowledge Resources Pvt. Ltd.; Dr. Shyam Khambholja (Associate Professor); Prof. Sujata Wadhwa (Head Communication Skill, B. H. Gardi College of Engineering & Technology).

Around 80 faculties who are teaching CPDP at various GTU affiliated Institutes have participated in the meeting.



Dr. G. P. Vadodariya had delivered a welcome address. He shared the objectives behind CPDP as a subject. He told that being a technological university, it is our responsibility to enable the technical students to develop the soft skills and contributor personality. He said GTU is one of the very few university which is taking the initiatives in such area.

Ms. Almas Juneja has welcomed all and felicitated all the guests. She has given the brief about objectives of CPD subject.



Dr. Akshai Aggarwal in his speech shared that CPDP is very important subject for students and faculties. He emphasized on the need of faculty involvement in the subject. He said that if students get best grade but they can't change their attitude then it is our failure. To succeed, we will have to change our attitude. He said that every chapter of the subject should become alive. Faculties have to provide an environment to change the students' attitude. He shared that the faculties and students should put more weightage on live projects and field work. To critically evaluate the success/limitations of the course CPD among teachers and students engaged in the teaching-learning process of the course, GTU entrusted Indian Institute of Teacher's Education (IITE) to evaluate the status and prospects of the course 'Contributor Personality Development (CPD) as an external agency. More than 200 teachers and 8000 students were covered in the survey.

Dr. ShyamKhambolja presented the findings and suggestions of the research. He mentioned that field based project work has to be improved at institute level. He mentioned that overall respondents have given the feedback that CPDP is very helpful course for the students but still there is scope of improvements in teaching pedagogy.





Mr. Biren Anand started his session in unique way. He suggested the audience to split themselves in a group of 6 to 7. He gave almost 15 minutes to all groups to discuss the ways of pedagogy which each one is using to teach CPDP at their respective institutes. After that he invited two to three faculties from each group to share their experience of teaching CPDP as well as to represent any innovative techniques implemented by any other faculties from their group.

Real examples shared by faculties on CPDP

Prof. Vidita Vithalani (Shree Swami Atmanand Saraswati Institute of Technology, Surat):

She shared her experience that one of the groups of EC students teaches the students of slum area. She said that they have learnt such human value from CPDP. The group has imparted these values in few of their juniors and now the group of juniors is also contributing in this social



Prof. Sushma Jacob (L. J. Institute of Management studies)

She said that due to CPD subject, the skills like Resume building, interview performance, communication are improved at considerable level.

Prof. Jacob also shared that the faculties have to play an important role, because this is not a traditional subject, which can only be taught from books. The faculties must be enthusiastic to grasp and to update their own knowledge first and then they must be able to deliver the same in CPDP classes with suitable pedagogy.

Dr. A. K. Adhikary (Sardar Vallabhbhai Patel Institute of Technology, Vasad):

He shared experience of one of his alumni. He told that getting job is easier but to maintain the job is very difficult for the students. He shared that recently, he met one of the alumni of his Institute. The boy is working in some Industry and he told Prof. Adhikary that due to CPDP he has able to develop a good reputation among the supervisors and colleagues, as CPDP taught him how to behave and help other people.



Prof. Nirupama Patel (Gandhinagar Institute of Technology):

She shared one example of her student. One of her students was doing project at J. K. Laxmi Cement Institute. The students observed that the labors were working without masks and that might cause the lung cancer. The student has learned from his CPDP faculty that it is a social responsibility of everyone to raise such issues and try to solve the issue. He has discussed the same with manager of the plant and finally, manager provided the masks to all the workers and appreciates the concern of the student to improve the working condition of labors.



Prof. Anjali Parmar (Dr. Jivraj Mehta Institute of Technology, Anand):

She shared one real time example of her student which shows, how CPDP can develop a human values among the students. During his travel in train, the student met one girl who was very intelligent and wants to study further but due to poor financial condition she couldn't continue her study further. The student discussed the issue with his parent, and helped the girl to continue the study further.

Prof. Poonam Shah (C. U. Shah College of Engineering & Technology, Wadhwan):

She said that the students come to know about the corporate due to CPDP. They have not faced any problem due to CPD. She said that we need to organize the events which are completely based on CPDP so students can participate in events as participants or as volunteers. This will make a difference in their mindset.



Prof. ParulPopat (Government Engineering College, Gandhinagar)

She made the list of the students who are failed in any subject and the students who are active in the subject. Then students who are bright in that subject taught the weak students. So bright students can improve their skills and week students can pass the subject. In the whole process other faculty members are also involved. Throughout this process she observes the improvement in the students and rates them for their skills.



Some Photographs of the program WWE...



Brainstorming



Drafting script and dialogue

Mr. Biren Anand invited all the faculties to discuss the Innovative ideas for teaching CPDP.

Innovative Ideas suggested by faculties:

- 1) Doing videography for presentations, group performance during the lectures of CPDP.
- 2) A mock rounds of interviews should be organized by external experts.
- 3) Alumnae can be invited during the sessions to share their experience with the juniors on how the CPDP learning can help them after the graduation.
- 4) Faculties should show some motivational movies, advertisements, documentaries etc.



Lively brain waving to convince the panel



Feel fear of stage and come out from it.

which can spread the message of contributorship.

Suggestions from faculties for CPDP:

- 1) Course content should be revised. There should be case studies of successful and Non-successful people like ordinary people.
- 2) Live projects should be included in course content.
- 3) A interactive platform should be created where faculty and students can interact and share their ideas.
- 4) The FDPs and Brain Storming Meetings should be organized on regular basis.

Memorable Moments...





4TH ANNUAL CONVOCATION IT

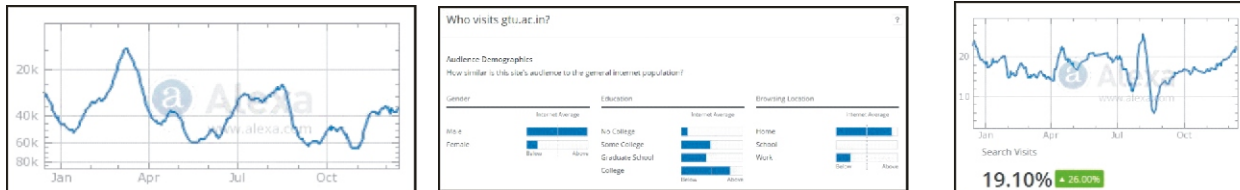


CONVOCATION REPORT 2014

Report of GTU IT Team

4th
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Thursday, 22nd January, 2015

GTU's IT department is constantly engaged in improving the IT system at GTU as per the need and time. Main website of the www.gtu.ac.in has more than 4.40s crores visitors so far. GTU website entertains a large mass of students of all courses and branches along with teachers, staff, visitors, media houses, associates and many more. IT department of GTU is constantly involved in different activities along with the routine examination and result process.



Where do visitors go on gtu.ac.in?

Subdomain	Percent of Visitors
gtu.ac.in	83.78%
convo4deg.gtu.ac.in	16.33%
ccc.gtu.ac.in	9.66%
files.gtu.ac.in	9.24%
cic3.gtu.ac.in	2.25%

1) Websites :

GTU has a group of websites to spread information quickly and effectively. Gujarat technological university is the only university of Gujarat which has connected maximum Institutions / Colleges and students using latest innovative technology. Now we are truly going for the Green Revolution using IT to Save Paper, Save Time and Quick Response.

List of websites created and managed by GTU IT department:

- o <http://gtu.ac.in/>
- o <http://gtuexams.in/>
- o <http://gtuelibrary.edu.in/>
- o <http://gturesults.in/>
- o <http://gtudiscussionforum.in>
- o <http://gturesearchcenters.edu.in/>
- o <http://gturesearchcentres.edu.in/>
- o <http://gtuactivelearning.edu.in/>
- o <http://gtuinstitutes.ac.in/>
- o <http://gtupgcourses.org>
- o <http://gtuplacement.edu.in/>
- o <http://gtuinnovationcouncil.ac.in/>
- o <http://mammca.gtu.ac.in/>
- o <http://unity.gtu.ac.in/>
- o <http://staffs.gtu.ac.in>
- o <http://convo4dip.gtu.ac.in>
- o <http://convo4deg.gtu.ac.in>
- o <http://awards.gtu.ac.in>
- o <http://ccc.gtu.ac.in>
- o <http://wimc.gtu.ac.in>
- o <http://awards.projects.gtu.ac.in>
- o <http://gcsr.gtu.ac.in>
- o <http://affiliation.gtu.ac.in>
- o <http://cpdp.gtu.ac.in>
- o <http://techfest.gtu.ac.in>
- o <http://startups.gtu.ac.in>
- o <http://gtumap.gtu.ac.in>

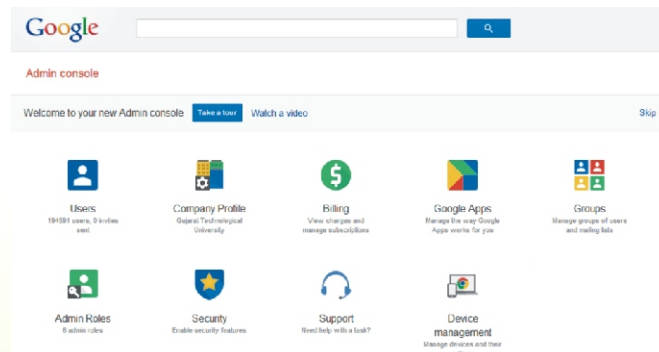
- o <http://projects.gtu.ac.in/>
- o <http://phd.gtu.ac.in/>
- o <http://sports.gtu.ac.in/>
- o <http://elibrary.gtu.ac.in/>
- o <http://international.gtu.ac.in/>
- o <http://convo13dip.gtu.ac.in/>
- o <http://convo13deg.gtu.ac.in/>
- o <http://vy.gtu.ac.in/>

- <http://gsn.gtu.ac.in>
- <http://alvcom.gtu.ac.in>
- <http://clubs.gtu.ac.in>
- <http://plexus.gtu.ac.in>
- <http://plan.gtu.ac.in>
- <http://new.gtu.ac.in>
- <http://gtuipr.gtu.ac.in>
- <http://pgschool.gtu.ac.in>
- <http://cic3.gtu.ac.in>
- <http://ccfs.gtu.edu.in>

2) Google Apps (GMAIL) :

GTU uses “Google Apps” service to organize whole GTU structure in well-organized manner. Different services available in Admin panel are being used in current GTU organization like Groups, Docs, Drive and support.

GTU has created the email-ID of all the convocation students and provide global access using official GTU email-ID with contact sharing. These IDs will be helpful to the institutions for Alumni Associations. We will provide the official GTU email-ID to all the students of GTU in near future, so more than 5 Lakh students will join virtually to GTU Family.

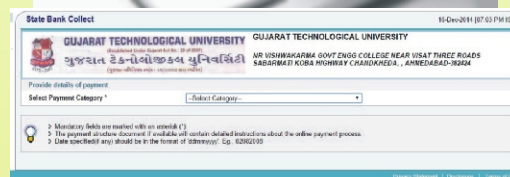
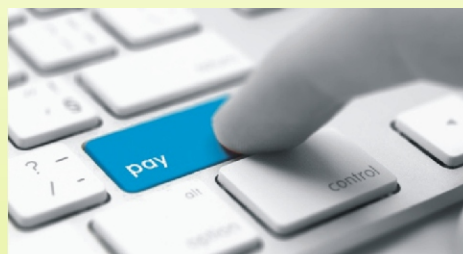


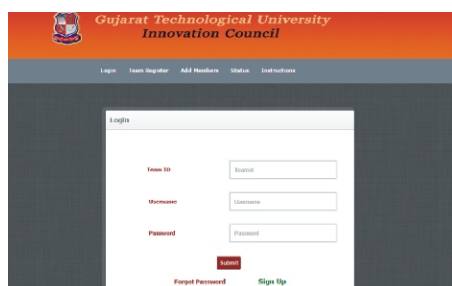
3) Cloud :

GTU is the first university in Gujarat who has implemented “CLOUD” concept. We are using No. 1 cloud service of the world (Amazon Cloud Service). Cloud computing is a concept used to describe a variety of computing concepts that involve a large number of computers connected through a real-time communication network such as the Internet.

4) Online SBI Payment :

In collaboration with SBI, GTU has started SBI collection Service for online payment. Now institutes and students can pay exam fees, enrolment fees, convocation and other fees online by internet banking/ Credit card/ Debit Card without any queue, even the charges of payment is less than challan charges. GTU has started online acceptance of all account entries. Account database is centrally managed by different sections, add voucher entry from their desk and account section can verify the same by SBI received database.



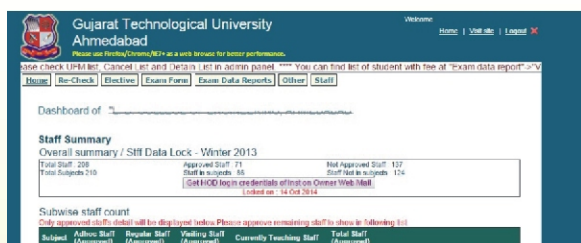
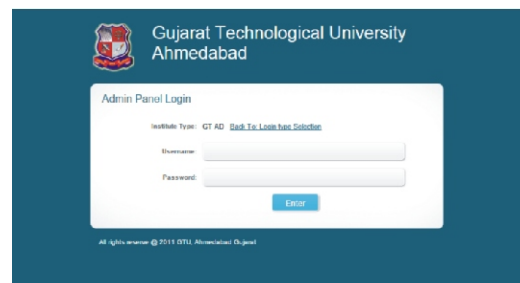


5) Online Projects Collection:

In this system, BE 7th semester students register their team and submit all the project details. This system also contains one PSAR module in which students have to fill up 5 patents regarding their Project/Own interest. We are fetching 163194 patent records / 14430 team details. <http://projects.gtu.ac.in/>

6) Admin panel :

All colleges affiliated with GTU have their own “Admin Panel” provided by GTU. Colleges can do various activities from admin panel which is very useful to them. They can fill exam forms, enrollment forms, rechecking reassessment forms online. They can also download hall ticket, center list, block arrangements etc. <http://gtuexams.in/>



7) Staff management :

GTU centrally manages all teaching staff of affiliated colleges. We are managing the database of the staffs which includes all the personal, experience and subject details. We are also managing the latest research records of all the staff members time to time.

8) Video Learning & Video messages

GTU also provides online learning facility. Expert Lectures of different subjects of various courses are uploaded on our website. Students can access the lectures and take the benefits globally. We are also publishing messages for institutes and students in the form of video, so receiver can understand it easily.

Examples of some of the URL are:

<http://www.gtu.ac.in/elearning.asp>, <http://www.gtu.ac.in/VideoMessages.asp>



9) GTU IT Management:

- Database: GTU manages basic records, exam records, results and projects data of more than 6 lakhs students. It includes all records since inception of the University. GTU has database which includes Students database, Colleges & their staff database, GTU recruitment database and Student Project database.
- Recruitment: GTU has own recruitment portals where applicant can apply for various post. GTU also conduct competitive exams for other organizations. We publish our recruitment result very quickly, mostly at the same day of written exam, and after a day of interview.
- Photo Gallery: GTU organizes many events like conferences, seminars, workshop on regular bases. We are also organizing the induction program for the new institutions. We have designed a photo gallery of GTU where recent event photographs can be uploaded. <http://54.243.202.28/photo/>
- E-Library: E-library is the service for all students and staffs where they can grab any virtual book from a huge pool of e-books available.

- **Media:** A media tab is created on GTU website. Press releases and images are uploaded on Media tab for media houses. <http://www.gtu.ac.in/Media.asp>
- **Current Enroll Status:**
Each year around 1+ lakh student enroll in GTU. We manage all the data centrally. Currently GTU has database of more than 6 lakh enrolled students.
- **Online Result Analysis:** GTU Provides Online Result Analysis of exams conducted by GTU. We are providing various types of analysis i.e. college wise, branch wise and zone wise. It is available in Admin Panel of College. These statistics are useful to the colleges for improvement of quality education.

10) GTU IT innovations:

- **E- Assessment:** Out of traditional ways of assessing answer sheets, GTU has started online E-Assessment of Answer Sheet from 2012. Using E-assessment facility, teacher can assess papers from anywhere in the globe and submit the result. E Assessment also reduces the time for result preparation and verification. Currently, we have started the E Assessment for all the PG Courses and BE (first and last year).
- **E-Inward/C-Inward:** GTU IT team has developed e-inward and c-inward system where institute can upload the essential documents and GTU admin can view and approve the same.
- **Convocation:** GTU IT team has developed a system where students can apply for convocation online. Last two convocations photo gallery and video gallery are available on <http://gtu.ac.in/Convocation.asp>. We are providing web-casting of the convocation live event using our web-site. We have awarded 4000+ degrees and 14000+ diplomas certificates in 2011, 28000+ degrees and 20000+ diplomas in 2012 and going to award 40000+ degrees and 22000+ diplomas in 2013. All the required data of convocation is efficiently managed by IT section of GTU.
- **DSTU:** GTU IT team has developed web-site to spread information of DSTU to web-world. GTU- Centre for Technology Education, Public Policy and Universities of the 21st Century has initiated a research project entitled 'Design of the Structure of Technological Universities' (DSTU). The research project is designed to study the evolution of a technological university of the 21st century. <http://projects.gtu.ac.in/DSTU>
- **MAM MCA Dual:** GTU IT team has developed web-site to spread information of MAM MCA Dual to web-world. GTU has started 5 years Integrated MAM & MCA Program. Entrance exam is not needed for admission at bachelor degree level; student can get direct entry in post-graduation. <http://mammca.gtu.ac.in/>
- **GTU Alumni:** GTU IT team has developed web-site to spread information of GTU Alumni to web-world. The Alumni Association of Gujarat Technological University is being set up to empower the new graduates through all its knowledge resources and through creating live networking among alumni. It will strengthen the bonds between the alumni and their alma mater and it will bring together the alumni on a common platform. We invite all alumni to come, join and develop GTUAA to serve their needs optimally. <http://www.gtuaa.edu.in/>
- **Vishwakarma Yojana :** GTU IT team has developed web-site to spread information of Vishwakarma Yojana to web-world. Gujarat Technological University is allotted important and prestigious project of Vishwakarma Yojana by the Government of Gujarat through Commissionerate of Technical Education for the year 2012-13. The project is divided in two phase. The first phase had aims to study the present status and techno-economic survey of villages in all districts of the state in terms of basic and public amenities, essential commodities, other infrastructural facilities for the need of people and to prepare detail project report on adequacy of the available resource with reference to population of the village and growth of the area. <http://vy.gtu.ac.in/>
- **ALVCOM:** Active Learning Video Lecture Communication is a virtual classroom arranged by GTU. Students can take benefits of the same without going to the institutes and they can directly interact with professors.

<http://14.139.122.69/instinfo/hist.jsp>

- Mobile APP: GTU has developed our own mobile app for android smart mobile. Now student can see circulars in their mobile phone and, we plan to provide online results and result-history in student mobile itself.
- SMS: We are providing SMS alerts to applicant/student for particular activities like registration confirmation and details of convocation/recruitment/recheck-reassessment.

4) Upcoming IT projects:

- GIC website: Dynamic GTU Innovation council website.
UDISHA CLUB Website: For UDISHA club members and Co-ordinator.
- Online Review System: Next phase of Online Project Tracking System in which students work will be monitored online by faculty member at regular interval and rating for same will be defined for it.
- FTS: GTU IT Staff is planning to develop “File Tracking System” in GTU Campus, FTS is a web based application to monitor the pendency of receipts and files and assist in their easy tracking. It is an integrated package which has features right from diarizing of receipts/files, updating its status, opening of new files, tracking the movement of the files, dispatch of letters/files and finally records management.
- E-Affiliation Web-Portal: GTU IT Staff is developing the affiliation project for all the Institutes. It is same like AICTE Web Portal.

Prepared by:
Mr. Keyur Shah
Mr. Rupendra Chaurasiya
Ms. Anjali Vyas
Mr. Alpesh Vaghela
Ms. Vibha Vachhani
Ms. Aamina Sheikh
Mr. Digant Dhdhrejia
Mr. Maheshwari Rathod
Mr. Mayank Sharma
Mr. Sanjay Nalvaya



4TH ANNUAL CONVOCATION GTU Alumni



Gujarat Technological University Alumni Association (GTUAA)



4th
ANNUAL
CONVOCATION
Thursday, 22nd January, 2015

Gujarat Technological University Alumni Association (GTUAA) was founded on 8th February 2013 with a vision to keep the alumni connected in a network for their own good and good of the Alma mater and to engage the University's global community to advance the University's excellence. GTUAA has organized 2nd Annual Alumni Meet on 8th February

"2nd Alumni Meet"

**Gujarat Technological University Alumni Association
(GTUAA)**

Welcomes You on its
"1st Foundation Day Celebration"
On
8th Feb 2014

The 2nd Annual Alumni Meet was held at GTU chandkheda campus under the leadership of Dr.K.N.Sheth (Dean, Advancement, Alumni Affairs and Interdisciplinary Research).



Dr. K. N. Sheth



Shri D. M. Mehta



Shri Ward D. Rummel

Shri D.M. Mehta - Who is a successful Chemical Engineer from Michigan University, USA was the chief guest of the function. Shri Ward D. Rummel was Guest of Honour. He is Consulting Engineer, President and Trustee of D&W Enterprises Ltd. He was a part of NASA and US Air Force.

Shri Jashwantlal Shankarlal Patel who is Vice President (Project) of Elecon Engineering Ltd and Shri Hiren Indreshkumar Shah, co-founder and Executive Director of Sun Teknovation



Shri Jashwantlal Shankarlal Patel



Shri Hiren Indreshkumar Shah

Pvt Ltd, two eminent Alumni were awarded with Certificate of Honour for their distinguished contribution in their career.

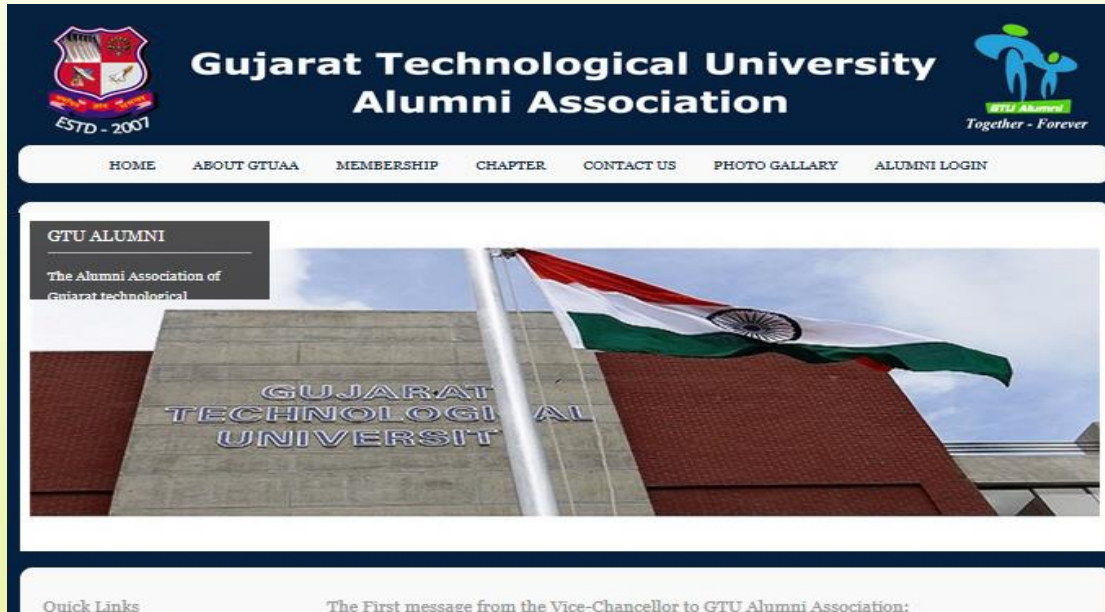


Dr. Akshai Aggarwal

Under the visionary leadership of Dr. Akshai Aggarwal (Vice Chancellor, GTU), a new website of GTUAA was launched and twelve chapters are established at Ahmedabad, Rajkot, Surat, Baroda, Himmatnagar, Mumbai, Pune, Bangalore, California, Washington, New Jersey, London, Dubai and Chicago. The aim is to help the alumni in creating amongst them a strong network and foster academic excellence.



After the launch of GTUAA website, Shri Ward D. Rummel, Guest of Honour unveiled the first newsletter of GTU Alumni Association.



The registration process is made online and very easy so that student can be a member of the association from any place without visiting GTU. The technical team is working in the area to make this website a social networking site for the alumni of GTU.

GTUAA is looking forward to organize skill development programme for Alumni which can help them in career development.

Prepared by:
Dr. K. N. Sheth
Mr. Hitesh Guajarati



4TH ANNUAL CONVOCATION Media



Introduction:

Universities have always been of great interest for all media houses as it owns the responsibility of educating the youth. Another reason of a greater interest of media houses in universities is the change taking place in higher education across the world. Media coverage also plays a crucial role in the development of any university. The Media Department of GTU is constantly engaged in creating a value incorporating chain of communication between the university and various media houses. Since August 2014 GTU has released more than 30 press releases and more than 70 stories were published in Hindi, English and Gujarati print media. While the electronic media are also equally responsive to the invitation for coverage from the GTU. The Publications of GTU are getting a face lift providing it the value it deserves.

Newsletters published in 2014:

The newsletter tab was created on the GTU website in September 2011 with its 1st newsletter. The newsletter tab of the GTU website has more than 6 Lac hits as on December 2013. GTU has published several newsletters in the year 2013. For the first time ever GTU also printed several copies of newsletters. Soft copies and printed copies of newsletters were distributed across the universities of India. Newsletters were also shared with associated institutes and organizations. Media department has also received e-mails appreciating this publication from academicians and industry people.

GTU Newsletter Volume III issue II

- The issue was launched on December 2014
- The newsletter covers the events and stories of the Gujrat Technological University since January 2014 to December 2014
- First time ever 100 copies of GTU newsletters were printed and shared with the department of Government, other technological universities & industries associated with GTU.

Volume III Issue II July 2014

Gujarat Technological University

THE NEWSLETTER

GTU - BEST UNIVERSITY OF THE YEAR

Gujarat Technological University is proud to share the news that on February 19 2014, GTU was awarded the Best Higher Education Institute/University of the Year at Hotel Shangri-La, Janpath, New Delhi, by ASSOCHAM India. ASSOCHAM Awards are organized with the aim of recognizing best practices in delivering quality education in India by Government of India-MHRD. Planning commission - Government of India. Read More on Page No. 2...

MESSAGE FROM YOUR VICE-CHANCELLOR

Dr. R.A. Mashelkar, one of the most respected scientists of India, was asked by a correspondent about how the academic institutions could prepare for change, required to meet the challenges of the twenty-first century. He said, "You need the right kind of leadership for this. Gujarat Technological University (GTU) is doing this." That was published in the Mumbai edition of Economic Times of 28th March 2013.

The Principal Secretary to Government of Karnataka, Education Department, wrote that a presentation would be made on the experience at GTU in involving technical students for taking up innovative projects. This was in a notice dated 21st May 2014 for a meeting at the Karnataka State Higher Education Council.

Dr. Alhlesh Pandey, Chairman of the MP Private Universities Regulatory Commission, Bhopal said, "If the Universities adopt the innovative projects, being operated at GTU, it would be beneficial for them." This was reported in the Dainik Bhaskar of Bhopal on 28th May 2014.

When our students, faculty members and we at GTU office learn about the unsolicited praise, being given by eminent persons, outside Gujarat, we feel good. Such praise should immediately remind us about the large gap between what we are able to do today and what the students and faculty members are able to achieve at the great universities of the world.

We completed the examinations in June 2014. This year for the first time, we have been able to declare the results within about a month of the last date of the examinations. But the issues are about the quality of our output.

Each one of the faculty members has to ask himself/herself the following questions: Were we able to set up papers, which evaluated the understanding

1

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Designed and Compiled by:
GTU Media Section
E-mail - projectofficer_media@gtu.edu.in
Contact - 079-25267549

GTU Newsletter for Indo-Canadian Study Center Volume I Issue II



- The issue was launched on 16th June 2014
- One of the objectives of the Indo-Canadian Centre is to host visiting professors, delegations from Universities and Industries and Businesses of Canada and to organize public events and lectures by bringing scholars, diplomats and politicians from Canada to the campus
- The Newsletter was shared with Canadian Hi-Commissioner Office, Indo-Canadian Business Centre and Universities of

Anantyam-GTU Newsletter for PG Research Centers Vol.I Issue III



- The issue was published on 21st June 2014 on the day of felicitation of Dr. Akshai Aggarwal by GTU Staff on the occasion of the 2nd term extension of Dr. Aggarwal as Vice-Chancellor of GTU.
- GTU has established PG Research Centers in different streams. Anantyam is the News letter for 5 management PG Research Centres of GTU
- Anantyam gives information about the research project going on under these 5 Management PG research centres

Setting up the chain of communication

Newspapers work with deadlines of 24 hours on a daily basis. Today's event is tomorrow's story for readers. All the print media houses have deadlines of page compiling between evening 6 to 8 p.m. To acquire space in Tomorrow's Newspaper, your story has to reach for them in the time frame. While news channels have the deadlines even earlier as the prime-time news are relayed on the same day at 7/8/9 o'clock. Media department at GTU has set up a system of communication using multiple options of communications to make the message reach to the right people at the right time in three steps as mentioned below.

Pre Event

1. Sending invitation to reporters through e-mail and SMS/Call at least a day before the event.
2. Sending invitation to the Editors through Fax at least one day before the event.
3. Preparing the press notes.

At the event

1. Sharing press notes at the event venue.
2. Providing assistance to all the reporters in arranging interviews of Vice-Chancellor/Registrar/Chief Guest of the event.
3. Take care of the hospitality of media reporters.
4. Coordinating with the photographer of the event to get desired results.

Post Event

1. Arranging the photographs of the event.
2. Preparing the press release of the event and sharing it with event photos.
3. Media department has also started producing press release in Gujarati to motivate the coverage in vernaculars.
4. Informing all media officials through SMS about the press release sent on their e-mail address.
5. Providing further assistance if any specific requirement by media officials,
6. Keeping the records of the media coverage on the next day.
7. A separate Tab of media is also created on the GTU website to upload the press release for media to download press release and photos anytime anywhere.

How to Write Workshops

GTU's NLC Team has about **639 students and faculties** registered as a member. Soon, GTU will give a platform where you can write the stories about the achievement of GTU student community in your institute.

GTU is organizing the Special Training Workshops on How to Write for GTU's NLC Team Members where trainers from the industry will help you in enhancing your skills to develop as an Amateur Writer.



Media Interaction Authority

Centralizing the authority of communication with the media is practiced at every organization. In Government/Semi-Government organization like GTU top officers only reserve the rights of addressing the media. In large organizations like GTU information is filtered at every level as per the need. In the case, it is very important that the leaders of the organization reserve the rights of addressing media as they have complete and correct information about the entire event. Also, some senior level officers at GTU can address media on approval from the VC / Registrar of the university. GTU media department has an initiative of spreading awareness about these rights through circular across the organization to avoid any media crises due to mis-communication or lack of information.

Photo-shoot & Creation of Photo-Gallery on GTU Website

GTU Media Department Conducted the 1st photo-shoot of GTU Infrastructure and Vice Chancellor to add the professional touch in the images of GTU used across GTU publications. Also Photo Gallery is created on the GTU website to share the images of different events taking place at GTU.

Prepared by:
Ms. Pina Bhatt



4th
ANNUAL
CONVOCAION
Thursday, 22nd January, 2015