Report on

One week Faculty Development Programme (FDP)

RESEARCH METHODOLOGY: TOOLS & TECHNIQUES

Date: 11th -16th February, 2019 | Venue: Vijay Jani Seminar Hall

ORGANIZING COMMITTEE CHIEF PATRON Dr. G. P. Vadodaria, Principal

CONVENER Prof.(Dr.) S. M. Mehta, Head Mechanical



COORDINATORS Prof. (Dr.) Ragesh G. Kapadia PROFESSOR-MED LDCE Prof. (Dr.) U. A. Patel ASST. PROFESSOR-MED LDCE CO-COORDINATORS PROF. H.A. Shukla PROF. N. H. Pancholi PROF G.N. Sutaria PROF. Mayur Makwana



ISTE GUJARAT SECTIONProf. K. M. BhavsarProf. N. K. PatelChairmanSecretary

ISTE-GTU approved one week FDP on

Research Methodology: Tools & Techniques

ABOUT LDCE

L D College of Engineering was started in the year 1948 with the vision to emerge as a 'center for excellence' offering technical education and research advancement of society and humankind. We dedicate and commit ourselves to achieve, sustain and foster unmatched excellence in Technical Education. The Institute also offers post graduate programmes in Mechanical Engineering and Computer Engineering to develop scientific and engineering manpower. The programmes are designed to include courses of study, seminars and project/thesis through which a student may develop his/her concepts and intellectual skills. To, this end, we will pursue continuous development of infrastructure and enhance state-of-the art equipment to provide our students a technologically up-to-date and intellectually inspiring environment of learning, research, creativity, innovation and professional activity and inculcate in them ethical and moral values.

ABOUT MECHANICAL ENGINEERING DEPARTMENT

MED offers B.E. in Mechanical & Automobile Engineering and M.E in CAD/CAM, Cryogenics and IC/Automobile Engineering. The department has highly qualified faculty members, state of the art laboratories and infrastructures. Under Siemens center of excellence (CoE) various state of the art laboratory facilities are available such as for Rapid Prototyping (RP) lab, CIM Lab, Process Instrumentation lab, MCMT lab, Automation Lab., Mechatronics Lab., Product design & validation Lab. and Advanced Mfg. Lab. Apart from this Govt. of Gujarat approved CoE of Welding Technology has also been established..

ABOUT FDP

The one week long FDP programme provided participants a comprehensive understanding of 'Research Methodology: Tools & Techniques' and conducting scientific experiments for collecting data, and analyzing the data to have fruitful conclusions. The programme was designed to be generic in nature for satisfying the needs of faculty pursuing their M.Tech and Ph.Ds from academic institutions and industry personnel carrying out research in any field. Various sessions were delivered on the basic principles of scientific research, design of experiments, data collection, and statistical tools for analyzing data, oral/written communication of research and dissemination the research outcome.

OBJECTIVES OF THE PROGRAMME

- To explicate the faculty members and research scholars about process of conducting quality research through selection of appropriate research design and methodology.
- To acquaint the participants about various software packages and tools available for simulation and data analysis.
- To explain the participants about how to prepare research proposal and various funding agency

ABOUT PARTICIPANTS

There were total 31 participants from various engineering institution across Gujarat which are AICTE approved institutions and affiliated to GTU.

COURSE CONTENTS

- Keynote on research Methodology
- Research Design
- Literature Survey
- Patent Search methodology
- Advanced simulation software tools
- Experimental research
- Design of Experiments (DoE)
- Research data collection and presentation
- Scientometrics
- Research opportunities in CE
- Research facilities and Instrumentation at CoE Welding
- Modeling and Simulation using MATLAB
- Introduction to Engineering equation Solver (EES)
- Simulink a tool for researcher
- Reference Manager
- \blacktriangleright Ethics in research
- Characteristics of a researcher
- Latex for thesis Writing
- Uncertainty Analysis
- Writing Research proposal and Funding opportunity
- Writing quality Research paper

EMINENT SPEAKERS

Details of expert faculty members for FDP with brief profile

| ExternalInternal1.Dr. S A Chaniwala Professor Department of Mechanical Engineering S.V.N.I.T, Surat1.Dr. Ragesh Kapadia Professor, Mechanical Engineering Department LDCE, Ahmedabad2.Dr. R N Patel Additional Director Nirma Institute of Technology, Ahmedabad2.Dr. U A Patel Mechanical Engineering Department LDCE, Ahmedabad3.Dr. Axay J Mehta Assoc. Professor, IITRAM, Maninagar, Ahmedabad3.Dr. S. M. Mehta Professor & Head, Mechanical Engineering Department LDCE, Ahmedabad4.Dr. Dhaval M Patel Professor VGEC, Chandkheda, Ahmedabad4.Dr. N M Bhatt Professor Professor, ITRAM, Maninagar5.Dr Jatinkumar Ravjibhai Patel Assistant Professor, PDPU, Gandhinagar5.Prof. (Dr.)M C Chudasma Professor & Head Electrical Engineering Department LDCE, Ahmedabad6.Dr. S J Thanki Principal, S VMIT, Bharuch6Prof. (Dr.)D. D. Trivedi Associate Professor Electrical Engineering Department LDCE, Ahmedabad7.Dr. C B Bhatt Principal7Prof. (Dr.)V R Patel Associate Professor |
|---|
| Professor Department of Mechanical Engineering S.V.N.I.T, SuratProfessor, Mechanical Engineering Department LDCE, Ahmedabad2.Dr. R N Patel Additional Director Nirma Institute of Technology, Ahmedabad2.Dr. U A Patel Mechanical Engineering Department LDCE, Ahmedabad3.Dr. Axay J Mehta Assoc. Professor, IITRAM, Maninagar, Ahmedabad3.Dr. S. M. Mehta Professor & Head, Mechanical Engineering Department LDCE, Ahmedabad4.Dr. Dhaval M Patel Professor VGEC, Chandkheda, Ahmedabad4.Dr. N M Bhatt Professor VGEC, Chandkheda, Ahmedabad5.Dr Jatinkumar Ravjibhai Patel Assistant Professor, PDPU, Gandhinagar5.Prof.(Dr.)M C Chudasma Professor & Head Electrical Engineering Department LDCE, Ahmedabad6.Dr. S J Thanki Principal, SVMIT, Bharuch6Prof.(Dr.)D. D. Trivedi Associate Professor Electrical Engineering Department LDCE, Ahmedabad7.Dr. C B Bhatt7Prof.(Dr.)V R Patel |
| Department of Mechanical Engineering S.V.N.I.T, SuratMechanical Engineering Department LDCE, Ahmedabad2.Dr. R N Patel Additional Director Nirma Institute of Technology, Ahmedabad2.Dr. U A Patel Mechanical Engineering Department LDCE, Ahmedabad3.Dr. Axay J Mehta Assoc. Professor, IITRAM, Maninagar, Ahmedabad3.Dr. S. M. Mehta Professor & Head, LDCE, Ahmedabad4.Dr. Dhaval M Patel Professor VGEC, Chandkheda, Ahmedabad4.Dr. N M Bhatt Professor VGEC, Chandkheda, Ahmedabad5.Dr Jatinkumar Ravjibhai Patel Assistant Professor, PDPU, Gandhinagar5.Prof.(Dr.)M C Chudasma Professor & Head Electrical Engineering Department LDCE, Ahmedabad6.Dr. S J Thanki Principal, SVMIT, Bharuch6Prof.(Dr.)D. D. Trivedi Associate Professor Electrical Engineering Department LDCE, Ahmedabad7.Dr. C B Bhatt7Prof.(Dr.)V R Patel |
| S.V.N.I.T, SuratLDCE, Ahmedabad2. Dr. R N Patel2. Dr. U A PatelAdditional DirectorMechanical Engineering DepartmentNirma Institute of Technology, AhmedabadLDCE, Ahmedabad3. Dr. Axay J Mehta3. Dr. S. M. MehtaAssoc. Professor,Professor & Head,IITRAM, Maninagar, AhmedabadMechanical Engineering DepartmentLDCE, AhmedabadLDCE, Ahmedabad4. Dr. Dhaval M Patel4. Dr. N M BhattProfessorVGEC, Chandkheda, Ahmedabad5. Dr Jatinkumar Ravjibhai Patel5. Prof. (Dr.)M C ChudasmaAssistant Professor, PDPU, GandhinagarFrof. (Dr.)M C Chudasma6. Dr. S J Thanki66. Dr. S J Thanki67. Dr. C B Bhatt77. Dr. C B Bhatt7Prof. (Dr.)V R Patel |
| 2. Dr. R N Patel Additional Director Nirma Institute of Technology, Ahmedabad 2. Dr. U A Patel Mechanical Engineering Department LDCE, Ahmedabad 3. Dr. Axay J Mehta Assoc. Professor, IITRAM, Maninagar, Ahmedabad 3. Dr. S. M. Mehta Professor & Head, Mechanical Engineering Department LDCE, Ahmedabad 4. Dr. Dhaval M Patel Professor VGEC, Chandkheda, Ahmedabad 4. Dr. N M Bhatt Professor VGEC, Chandkheda, Ahmedabad 5. Dr Jatinkumar Ravjibhai Patel Assistant Professor, PDPU, Gandhinagar 5. Prof.(Dr.)M C Chudasma Professor & Head Electrical Engineering Department LDCE, Ahmedabad 6. Dr. S J Thanki Principal, SVMIT, Bharuch 6 Prof.(Dr.)D. D. Trivedi Associate Professor Electrical Engineering Department LDCE, Ahmedabad 7. Dr. C B Bhatt 7 Prof.(Dr.)V R Patel |
| Additional Director Nirma Institute of Technology, AhmedabadMechanical Engineering Department LDCE, Ahmedabad3. Dr. Axay J Mehta Assoc. Professor, IITRAM, Maninagar, Ahmedabad3. Dr. S. M. Mehta Professor & Head, Mechanical Engineering Department LDCE, Ahmedabad4. Dr. Dhaval M Patel Professor VGEC, Chandkheda, Ahmedabad4. Dr. N M Bhatt Professor VGEC, Chandkheda, Ahmedabad5. Dr Jatinkumar Ravjibhai Patel Assistant Professor, PDPU, Gandhinagar5. Prof.(Dr.)M C Chudasma Professor & Head Electrical Engineering Department LDCE, Ahmedabad6. Dr. S J Thanki Principal, SVMIT, Bharuch6< Prof.(Dr.)D. D. Trivedi Associate Professor Electrical Engineering Department LDCE, Ahmedabad7. Dr. C B Bhatt7< Prof.(Dr.)V R Patel |
| Nirma Institute of Technology, AhmedabadLDCE, Ahmedabad3. Dr. Axay J Mehta Assoc. Professor, IITRAM, Maninagar, Ahmedabad3. Dr. S. M. Mehta Professor & Head, Mechanical Engineering Department LDCE, Ahmedabad4. Dr. Dhaval M Patel |
| Ahmedabad3. Dr. Axay J Mehta Assoc. Professor, IITRAM, Maninagar, Ahmedabad3. Dr. S. M. Mehta Professor & Head, Mechanical Engineering Department LDCE, Ahmedabad4. Dr. Dhaval M Patel Professor VGEC, Chandkheda, Ahmedabad4. Dr. N M Bhatt Professor Mechanical Engineering Department LDCE, Ahmedabad5. Dr Jatinkumar Ravjibhai Patel Assistant Professor, PDPU, Gandhinagar5. Prof.(Dr.)M C Chudasma Professor & Head Electrical Engineering Department LDCE, Ahmedabad6. Dr. S J Thanki Principal, SVMIT, Bharuch6 Prof.(Dr.)D. D. Trivedi Associate Professor Electrical Engineering Department LDCE, Ahmedabad7. Dr. C B Bhatt7 Prof.(Dr.)V R Patel |
| Assoc. Professor, IITRAM, Maninagar, AhmedabadProfessor & Head, Mechanical Engineering Department LDCE, Ahmedabad4. Dr. Dhaval M Patel Professor VGEC, Chandkheda, Ahmedabad4. Dr. N M Bhatt Professor Mechanical Engineering Department LDCE, Ahmedabad5. Dr Jatinkumar Ravjibhai Patel Assistant Professor, PDPU, Gandhinagar5. Prof.(Dr.)M C Chudasma Professor & Head Professor & Head6. Dr. S J Thanki Principal, SVMIT, Bharuch6 Prof.(Dr.)D. D. Trivedi Associate Professor Electrical Engineering Department LDCE, Ahmedabad7. Dr. C B Bhatt7 Prof.(Dr.)V R Patel |
| IITRAM, Maninagar, AhmedabadMechanical Engineering Department LDCE, Ahmedabad4. Dr. Dhaval M Patel4. Dr. N M Bhatt Professor VGEC, Chandkheda, Ahmedabad4. Dr. N M Bhatt Professor Mechanical Engineering Department LDCE, Ahmedabad5. Dr Jatinkumar Ravjibhai Patel Assistant Professor, PDPU, Gandhinagar5. Prof.(Dr.)M C Chudasma Professor & Head Electrical Engineering Department LDCE, Ahmedabad6. Dr. S J Thanki Principal, SVMIT, Bharuch6 Prof.(Dr.)D. D. Trivedi Associate Professor Electrical Engineering Department LDCE, Ahmedabad7. Dr. C B Bhatt7 Prof.(Dr.)V R Patel |
| IITRAM, Maninagar, AhmedabadMechanical Engineering Department LDCE, Ahmedabad4. Dr. Dhaval M Patel4. Dr. N M Bhatt Professor VGEC, Chandkheda, Ahmedabad4. Dr. N M Bhatt Professor Mechanical Engineering Department LDCE, Ahmedabad5. Dr Jatinkumar Ravjibhai Patel Assistant Professor, PDPU, Gandhinagar5. Prof.(Dr.)M C Chudasma Professor & Head Electrical Engineering Department LDCE, Ahmedabad6. Dr. S J Thanki Principal, SVMIT, Bharuch6 Prof.(Dr.)D. D. Trivedi Associate Professor Electrical Engineering Department LDCE, Ahmedabad7. Dr. C B Bhatt7 Prof.(Dr.)V R Patel |
| 4. Dr. Dhaval M Patel 4. Dr. N M Bhatt Professor VGEC, Chandkheda, Ahmedabad 5. Dr Jatinkumar Ravjibhai Patel 5. Prof.(Dr.)M C Chudasma Assistant Professor, Professor & Head PDPU, Gandhinagar Electrical Engineering Department C. Dr. S J Thanki 6 Prof.(Dr.)D. D. Trivedi Principal, SVMIT, Bharuch 7. Dr. C B Bhatt 7 Prof.(Dr.)V R Patel |
| ProfessorProfessorVGEC, Chandkheda, AhmedabadMechanical Engineering Department LDCE, Ahmedabad5. Dr Jatinkumar Ravjibhai Patel5. Prof.(Dr.)M C Chudasma Professor, PDPU, Gandhinagar6. Dr. S J Thanki6 Prof.(Dr.)D. D. Trivedi Associate Professor SVMIT, Bharuch7. Dr. C B Bhatt7 Prof.(Dr.)V R Patel |
| VGEC, Chandkheda, AhmedabadMechanical Engineering Department LDCE, Ahmedabad5. Dr Jatinkumar Ravjibhai Patel Assistant Professor, PDPU, Gandhinagar5. Prof.(Dr.)M C Chudasma Professor & Head Electrical Engineering Department LDCE, Ahmedabad6. Dr. S J Thanki Principal, SVMIT, Bharuch6 Prof.(Dr.)D. D. Trivedi Associate Professor Electrical Engineering Department LDCE, Ahmedabad7. Dr. C B Bhatt7 Prof.(Dr.)V R Patel |
| LDCE, Ahmedabad5. Dr Jatinkumar Ravjibhai Patel Assistant Professor, PDPU, Gandhinagar5. Prof.(Dr.)M C Chudasma Professor & Head Electrical Engineering Departmen LDCE, Ahmedabad6. Dr. S J Thanki Principal, SVMIT, Bharuch6 Prof.(Dr.)D. D. Trivedi Associate Professor Electrical Engineering Departmen LDCE, Ahmedabad7. Dr. C B Bhatt7 Prof.(Dr.)V R Patel |
| LDCE, Ahmedabad5. Dr Jatinkumar Ravjibhai Patel Assistant Professor, PDPU, Gandhinagar5. Prof.(Dr.)M C Chudasma Professor & Head Electrical Engineering Departmen LDCE, Ahmedabad6. Dr. S J Thanki Principal, SVMIT, Bharuch6 Prof.(Dr.)D. D. Trivedi Associate Professor Electrical Engineering Departmen LDCE, Ahmedabad7. Dr. C B Bhatt7 Prof.(Dr.)V R Patel |
| Assistant Professor, PDPU, GandhinagarProfessor & Head Electrical Engineering Departmen LDCE, Ahmedabad6. Dr. S J Thanki Principal, SVMIT, Bharuch6Prof.(Dr.)D. D. Trivedi Associate Professor Electrical Engineering Departmen LDCE, Ahmedabad7. Dr. C B Bhatt7Prof.(Dr.)V R Patel |
| Assistant Professor, PDPU, GandhinagarProfessor & Head Electrical Engineering Departmen LDCE, Ahmedabad6. Dr. S J Thanki Principal, SVMIT, Bharuch6Prof.(Dr.)D. D. Trivedi Associate Professor Electrical Engineering Departmen LDCE, Ahmedabad7. Dr. C B Bhatt7Prof.(Dr.)V R Patel |
| LDCE, Ahmedabad 6. Dr. S J Thanki 6 Principal, Associate Professor SVMIT, Bharuch Electrical Engineering Department 7. Dr. C B Bhatt 7 Prof.(Dr.)V R Patel |
| 6. Dr. S J Thanki 6 Prof.(Dr.)D. D. Trivedi Principal, Associate Professor SVMIT, Bharuch Electrical Engineering Departmen Dr. C B Bhatt 7 Prof.(Dr.)V R Patel |
| 6. Dr. S J Thanki 6 Prof.(Dr.)D. D. Trivedi Principal, Associate Professor SVMIT, Bharuch Electrical Engineering Departmer LDCE, Ahmedabad 7 7. Dr. C B Bhatt 7 |
| Principal, Associate Professor SVMIT, Bharuch Electrical Engineering Departmen Dr. C B Bhatt 7 Prof.(Dr.)V R Patel |
| SVMIT, Bharuch Electrical Engineering Departmen 7. Dr. C B Bhatt 7 Prof.(Dr.)V R Patel |
| LDCE, Ahmedabad 7. Dr. C B Bhatt 7 Prof.(Dr.)V R Patel |
| 7. Dr. C B Bhatt 7 Prof.(Dr.)V R Patel |
| |
| |
| Government MCA College Mechanical Engineering Department |
| MANINAGAR-569 LDCE, Ahmedabad |
| 8. Shri Ragesh Bateriwala 8 Prof.(Dr.)Alpesh Joshi |
| Director, Keepsake Associate Professor |
| Centre of Excellence (CoE) Welding General Department, |
| LDCE, Ahmedabad |
| 9. Shri Deepak Pandya |
| Life Skill Trainer |
| 10. Shri Jignesh Patel |
| Director |
| Khodiyar CAD center |

ISTE –GTU Sponsored and approved FDP on "Research Methodology: Tools & Techniques" Department of Mechanical Engineering, L. D. College of Engineering <u>Schedule for FDP</u>

| DAY | TIME | MON | TUE | WED | THU | FRI | SAT | |
|------|----------------------------|--|---|--|---|--|--|--|
| Date | | 11/02/2019 | 12/02/2019 | 13/02/2019 | 14/02/2019 | 15/02/2019 | 16/02/2019 | |
| | | Breakfast/ Tea 10:00 am to 10:30 am | | | | | | |
| S1 | 10:30 am to 12:00 am | Inaugural Function Dr. Navin Sheth (VC GTU) Dr. G P Vadodaria (Principal LDCE Dr. S A Channiwal (SVNIT, Surat) | Patent Search Methodology Dr. Padmin Buch | Design of Experiments Dr. D M Patel | Research facilities and Instrumentation Mr. Ragesh Bateriwalala | Reference Manager Dr. V R Patel | Collaborative research Dr. N. M. Bhatt | |
| S2 | 12:00 am to 1:30pm | Keynote Address on What is Research, RM and Process Dr. S. A. Channiwala | Advanced Simulation Software Tools 1 Mr. Jignesh Patel | Research data collection tools and techniques Dr. D M Patel | Mathematical Modeling in Engineering Dr. S S Pathan | Presenting Papers Ethics in Research Dr. Alpesh Joshi | latex for thesis writing Dr. D D Trivedi Writing | |
| | | | | | n to 2:30 pm | | | |
| S3 | 2:30 pm to 4:00 pm | Research Design Dr. C. B. Bhatt | Advanced Simulation Software Tools 2 Mr. Jignesh Patel | Scientometric Prof. (Dr.) D S Sharma | Introduction to Simulation Tools (EES) Dr. Jatin Patel | Characteristics for researcher | How to write quality Research paper in Journal Dr. S J Thani | |
| S4 | 4:00 pm to 5:30 pm | Literature Review Dr. S. M. Mehta | Experimental Research Dr. R. N. Patel | Research Opportunities in Control Engineering Dr. Axay Mehta | MATLAB Simulink Dr. U A Patel | Research Proposal and Funding opportunity Dr. M C Chudasama | Concluding remarks Valedictory Function Dr. R. G. Kapadia | |

INAUGURAL SESSION

Dr. Navin Sheth, VC GTU, Ahmedabad was the Chief Guest, Dr. S. A. Channiwala, Professor MED, SVNIT, Surat and Mr. Jignesh Patel - Vice President (Khodiyar CAD Centre, Ahmedabad) were the Guest of Honor and Dr. G P Vadodaria, Principal of LDCE was the president of the inaugural function of the one week FDP on Research Methodology: Tools & Techniques. Prof Hardik Shukla had played the role of Master of ceremony. All the participants along with invited faculty members and guest were also present during the inauguration of FDP. As per the Indian tradition, the FDP was inaugurated with prayer and lighting of the lamp.

Dr. S M Mehta, Head Mechanical had welcomed the gathering. **Dr. Ragesh G Kapadia**, coordinator, had briefed about the FDP and its importance. He explained various outcome of the program. He had given brief outline of program and requested to all participants to enrich their knowledge from this FDP by effective participation.

Dr G P Vadodaria, Chief Patron of program had congratulated the Department of Mechanical Engineering for organizing such a program which indirectly benefits to society.

Dr. S. A. Channiwala, Guest of Honor and Keynote Speakers of inaugural function had shared his views for the program. He gave motivational and inspirational talk to participants to deeply involve in research field.

Shri. Jignesh Patel, Guest of Honor, gave best wishes to Department for organizing the FDP.

Dr. Navin Sheth, VC GTU, Chief Guest of the program highlighted the need of research and

innovation in the university to make education more relevant for making a better society for the future.

Dr. N M Bhatt, Prof, MED has presented a vote of thanks for the inaugural function

KEYNOTE SPEECH

Dr. S. A. Channiwala had delivered keynote speech and explained the process of research in great detail. He pointed that '**RESEARCH IS THE WAY OF LIFE**.' He ended his speech with **LORD KRISHNA speech about "karmenva dhikarsye**"

FEW GLIMPSES OF INAUGURAL FUNCTION OF STTP ON 11TH FEB'2019

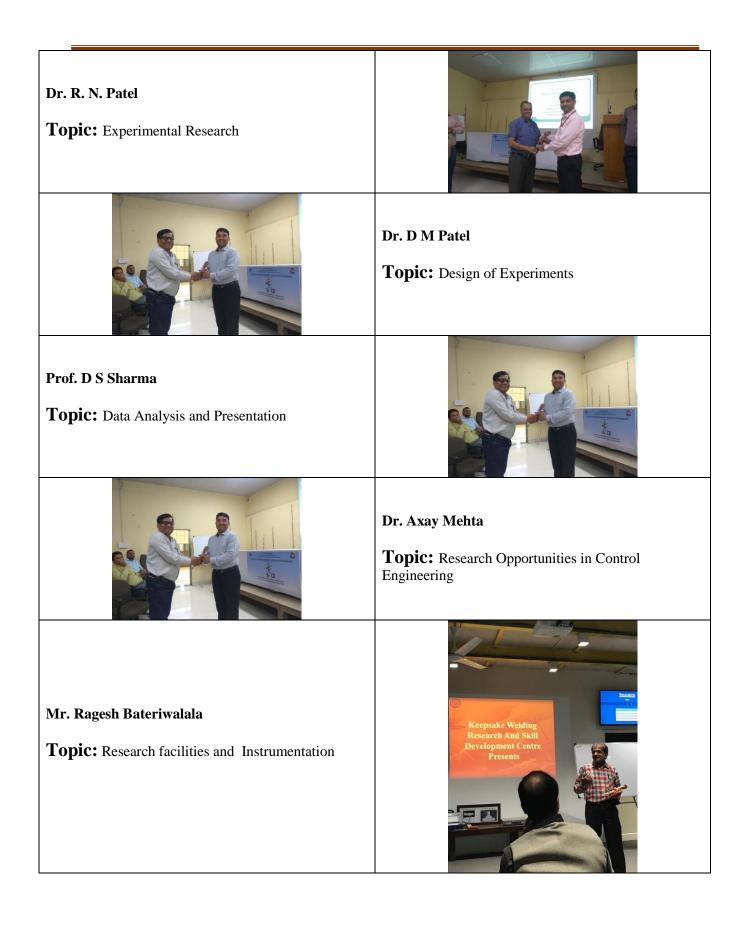






ABOUT THE EMINENT SPEAKERS AND THEIR EXPERT TALKS

| | Dr. S. A. Channiwala, Professor- Department of Mechanical Engineering, SVNIT, Surat Topic:Uncertainty Analysis:APractical Approach |
|---|--|
| Dr. C. B. Bhatt Topic: Research Design | Programmer Michael Barbard Bar |
| Particular de la constanti de | Dr. S. M. Mehta Topic: How to read Research paper and Literature Review |
| Dr. P. Buch Topic: Patent Search Methodology | Programmer and the second seco |
| | Mr. Nimesh Patel Topic: Software Skill for Research |



| | Dr. S S Pathan Topic: Mathematical Modelling in Engineering |
|--|---|
| Dr. Jatin Patel Topic: Introduction to Simulation Tools (EES) | |
| | Dr. U A Patel Topic: Modeling and Simulink |
| Dr. V R Patel Topic: Reference Manager | |
| | Dr. Alpesh Joshi Topic: Presenting Papers Ethics in Research |

| | Deepak Pandya Topic: Characteristics for researcher |
|--|--|
| Dr. M C Chudasama Topic: Research Proposal and | |
| Funding opportunity in research | |
| | Dr. N. M. Bhatt |
| | Topic: Collaborative research |
| Dr. D D Trivedi Topic: Latex for thesis writing | HITACHI |
| | Dr. S. J. Thanki Topic: How to write quality Research Paper in Journal |

PHOTOS OF THE FDP













FEEDBACK BY PARTICIPANTS

- "Thank you very much for an engaging and motivating for few days. The workshop was well- structured, insightful and rich in content." MAHESHKUMAR JADAVJIBHAI AGHARA
- "The workshop helped me to identify area of research which I wouldn't have looked at before. Also helped me to ignite my own thought process." JALASHREE DUSHYANTKUMAR TRIVEDI

Most participants felt that the correct direction and knowledge for conducting scientific research was obtained in the workshop. Technical sessions empowered participants to do research in forward way to strengthen the Nation.

VALEDICTORY SESSION

The FDP was concluded with valedictory function on 16th FEB'2019. In the Valedictory function Principal Dr G P Vadodaria, Mr. Jignesh Patel from Khodiyar CAD Center, Dr. S M Mehta- Head of MED, Dr.R. G. Kapadia, Dr. Utkarshkumar A Patel- Coordinators of the programme, Organizing Committee members Prof. H A Shukla, Prof. N H Pancholi Prof. Sutaria and Prof. Mayur Makwana, were present. The highlights of the FDP were given by Dr. R G Kapadia. The valedictory speech was given by Dr.G P Vadodaria and he congratulated the Coordinators and Organizing Committee for successfully conducting FDP, he also appreciated the FDP theme. All the participants were distributed with the participant certificates on successful completion of one-week short term training program by dignitaries on the Dias.

The vote of thanks was given by Dr. Utkarshkumar A Patel, FDP Coordinator. He highlighted the immense contribution of the Organizing Committee members and experts. He presented a special thanks to patron of program and the Principal of LDCE Dr. G P Vadodaria and also the Head of Department Prof. (Dr.) S.H Mehta. He also showed his gratitude towards young faculties Prof. H A Shukla, Prof. N H Pancholi Prof. Sutaria and Prof. Mayur Makwana for facilitating the event.

He heartily thanked all the speakers who took pain to travel from their places to LDCE campus and spared their valuable time. He also thanked all the participants who made this event a grand success by participating wholeheartedly.

The valedictory session ended with the national anthem and group photo.

GLIMPSE OF VALEDICTORY FUNCTION



GROUP PHOTO OF PARTICIPANTS OF STTP AT LDCE A'BAD

