

# BHAGWAN MAHAVIR ENGINEERING FOUNDATION

**Organized**



**Two Days Seminar on 27<sup>th</sup> & 28<sup>th</sup> July 2017**

## **“RECENT TREND IN SOFTWARES FOR CIVIL ENGINEERING”**

**Conveners: Mr. KAMAL PADHIAR  
H.O.D. Civil Engineering Department, BMCET.**

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## OVERVIEW

Faculties of Civil Department from Bhagwan Mahavir Engineering foundation had organized a two day seminar on “Recent Trend in Softwares for Civil Engineering” for the awareness of faculties and students about new trends and current scenario of advancement and applications of drafting, designing, analysis and planning softwares.

Six Guest speakers were invited for the seminar on current scenario on softwares divided in two days with three sessions each. There was a total attendance of 208 participants including faculties and students.

From BMCET(Surat), 106 students & 22 faculties

SCET(Surat), 4 students & 3 faculties

SSASIT(Surat), 65 students & 2 faculties

A.Y. Dadabhai Technical Institute(Kosamba), 6 students attended the Seminar with all their joy and interest.

The banner features a dark red background with white and blue text. On the left is the ISTE logo, and on the right is the BMCET logo. The central text reads: 'Bhagwan Mahavir Education Foundation's Bhagwan Mahavir College Of Engineering & Technology Organizing Two days workshop on "Recent Trend in Softwares for Civil Engineering" association with ISTE, New Delhi'. Below this, the venue is listed as 'Bhagwan Mahavir Education Foundation, Bhagwan Mahavir College Of Engg. & Tech., Surat Sr. No. 149, VIP Road, Bharthana, Vesu, Surat 395 017'.

**Bhagwan Mahavir Education Foundation's**  
**Bhagwan Mahavir College Of Engineering & Technology**

**Organizing**  
**Two days workshop on**  
**"Recent Trend in Softwares for Civil Engineering"**  
**association with**  
**ISTE, New Delhi**

**VENUE**  
**Bhagwan Mahavir Education Foundation,**  
**Bhagwan Mahavir College Of Engg. & Tech., Surat**  
**Sr. No. 149, VIP Road, Bharthana, Vesu, Surat 395 017**

1. Banner for the Workshop on “ Recent Trend in Softwares for Civil Engineering”.

## ***Seminar Topic***

**The seminar mainly focused on the advancement in the softwares, their application, scope and demands.**

### **1<sup>st</sup> day of Seminar-**

- **Technical session 1 included the introduction about the drafting and designing softwares like AutoCAD 2D & 3D, Revit etc.**
- **Technical session 2 was on the application of Primavera in Industries and Major Projects.**
- **Technical session 3 was on the classification of different softwares used in the different aspects with their scope and availability.**

### **2<sup>nd</sup> day of Seminar-**

- **Technical session 1 was on Surveying with the help of Total Station.**
- **Technical session 2 was on ETabs and STADD.Pro .introduction to its basic with their scope and demand**
- **Technical session 3 included the brief explanation of GIS, its use, operating procedure and data manipulation.**

## ***Workshop at a glance***

### **1<sup>st</sup> day of Seminar-**

**Session 1: Seminar on “ AutoCAD and Revit Software “ by Mr.Vaibhav Choksi , CADD Centre ,Surat.**

**Session 2: Seminar on “Primavera” by Mr. Chirag K. Garg, Synergy School of Bussiness Skills, New Delhi.**

**Session 3: Seminar on “Software Related Water” by Dr. J. N. Patel, Professor, C.E.D., SVNIT,Surat.**

### **2<sup>nd</sup> day of Seminar-**

**Session 1: Seminar on “Total Station and other Softwares related to Surveying” by Mr. Vyom Pathak, Asst. Proffessor, VBT, Umrakh.**

**Session 2: Seminar on “ETabs and STAAD.Pro” by Mr. Jignesh Lad, Archon Associates, Vapi.**

**Session 3: Seminar on “GIS and GPS” by Mr. Virendra Patel, Asst. Professor, BMCET, Surat**

## **27<sup>th</sup> JULY 2017(First day of Seminar) OPENING CEREMONY**

**It was the time for the commencement of the Seminar. Faculties and students from BMCET itself and other colleges were gathered, eager to attend the Seminar. Students were registered and were guided towards the Seminar hall.**

**Dignitaries arrived with the attendance of our special guest Dr. Jigar Sevaliya, Proffesor, SCET, Surat. Then after Lighting ceremony was conducted .**

**Dr. Jigar Sevaliya then shared his thoughts about this Seminar, congratulating the Civil Department, BMCET for conducting such Seminar. He mentioned the importance and the role of these type of Seminars, altering the skills and knowledge of Degree pursuing students.**



**2.Lighting ceremony.**



**3.Mr. Kamal Padhiar Sir addressing the Dignitaries and greeting the students.**



**4.Dr. Jigar Sevaliya sharing his thoughts on Seminar.**



## **Session 1: “AutoCAD and Revit Software”**

**AutoCAD 2D & 3D are the basic softwares for drafting. Every Civil Engineer is expected to have the knowledge and skill to operate AutoCAD by the Industries and working professionals. So, it was necessary to bring students in contact with the software and explain its importance and value in this field.**

**Apart from drafting , Analysis and design is the major prospect aimed by the professionals. Therefore, STAAD.pro and Revit was introduced so as to convey the whole intellectual idea.**

**Mr. Vaibhav Choksi very efficiently described the working , application and scope of the software. He pinpointed the very basics and useful commands and properties which uplifted the curiosity and knowledge of students and faculties.**





**5.Mr. Vaibhav Choksi demonstrating Revit and AutoCAD.**

## Session 2: “Primavera”

In 2<sup>ND</sup> Session Mr. Chirag K. Garg explained us about “PRIMAVERA” & Advantages & Disadvantages of It which include Key Features, Resource Management, Planning Sheet, Risk in Management, Reporting and Analytics, etc and shared some Knowledge about Synergy School of Business Skills.



6. students paying attention to the primavera demonstration.

### **Session 3: “Software Related Hydrology”**

**Dr. J.N.Patel taught us about the different types of softwares used in the field related to study of water dynamics and statics. His Presentaion consisted of detailed classification of softwares. Student got the intellect regarding where when and how to use there . Dr J.N.Patel emphasixed on the knowledge and skill required to handle the application.**



**7. Dr. J. N. Patel emphasizing on different types of hydrological softwares.**

**28<sup>th</sup> JULY 2017(Second day of Seminar)**

**Session 1: “Total Station & other Softwares related to Surveying”**

**Surveying is one of the core fields Civil Engineering. After designed and drafting, Surveying is the initial Field work conducted by the engineers/surveyors. So it was must to Share the knowledge skill and experience of a experienced professional. So was done with the help of Mr. Vyom Pathak. He explained everything from the root to top enlighting the knowledge of students.**

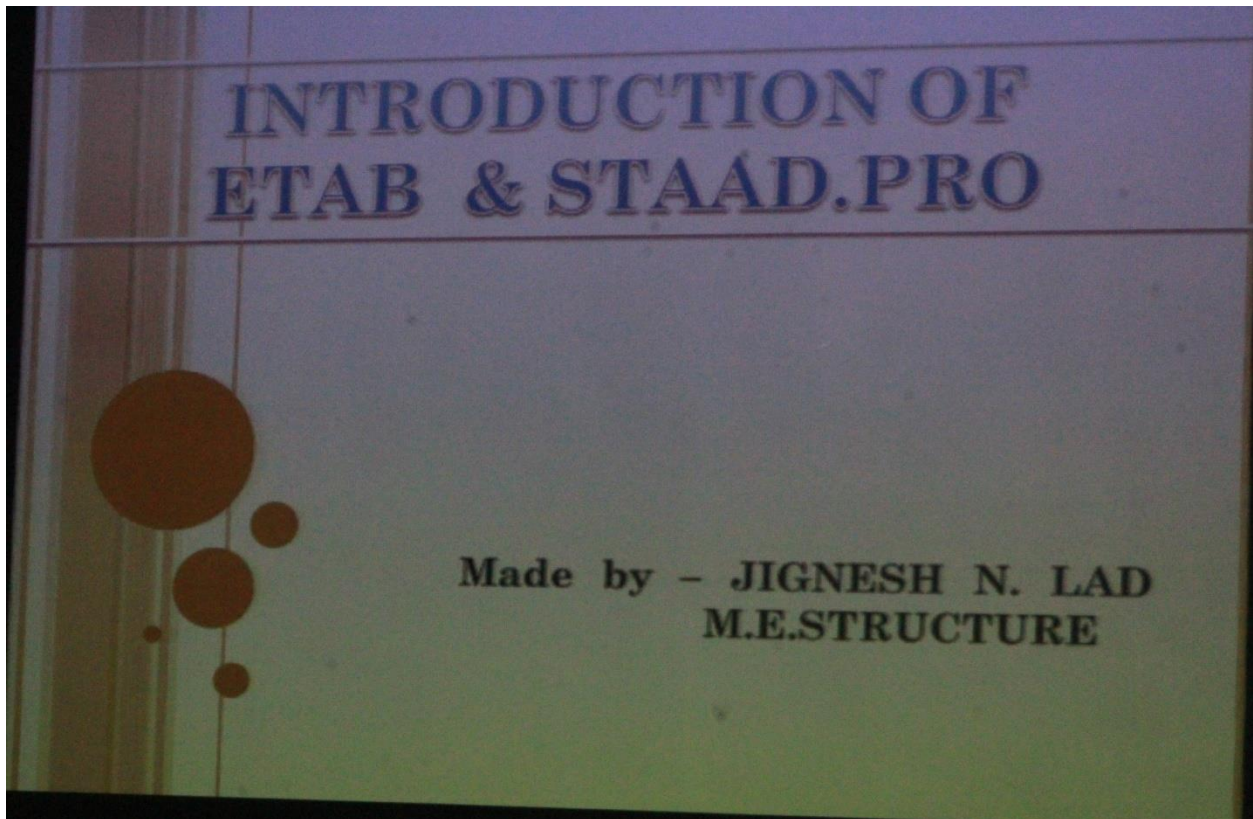


**8. Mr. Vyom Pathak giving presentation on Total Station.**



## **Session 2: “ ETabs and STAAD.Pro”**

**Etabs & STAADPro are integral part of Design and Analysis. It is a very useful tool used by the designers and Analysts. Mr. Jignesh N. Lad came with Brief introduction of the respective software describing thesis uses, application and scope.**



**9. presentation on ETabs & STAAD.Pro by Mr. Jignesh Lad.**

## Session 3: “GIS & GPS”

**Mr. Virendra Patel introduced the concept of GIS and GPS and how it has changed our day to day life in major way. From locating to route mapping, from location data to fish calendar, Everything was covered in this Seminar. He brought the application to demonstrate the GIS & GPS software, showing us how to operate and how its works.**



**10. Mr. Virendra Patel introducing the concept of GIS and GPS.**

## **Closing Ceremony**

**After the conduction of the Seminar successfully ,it was time to acknowledge the Guest Speakers , Guest Faculties and Students who attended the Seminar and Also the Faculty Coordinators who made it possible . In the closing ceremony Dignitaries**

**Shri Anil Jain, Managing Secretary, BMEF, Surat**

**Dr. Sanjay Jain,Treasurer, BMEF, Surat**

**Dr. R. R. Sawant, Director , BMCET, Surat**

**Dr. S. V. Patil, Director, MSCET, Surat**

**Dr. Somdatta Karenjkar, Director of Q&A, BMEF, Surat announced their presence by sharing their words of wisdom and expressing their joy and satisfaction regarding the seminar. All the Guest faculties and students were presented with the certificate by the Honorable Dignitaries and the Seminar was closed.**





**11. Dr. Sanjay Jain Sir sharing his words of wisdom.**



**12. Dr. Sanjay Jain giving certificate to SCET & SSASIT Faculties.**



**13. Dr. R. R. Sawant Sir greeting the participants and coordinators.**

# Annexure

**WHO SHOULD ATTEND**

Students pursuing B.Tech in Civil Engineering.

**VENUE**

Bhagwan Mahavir College of Engg. & Tech., Surat  
Bhagwan Mahavir Education Foundation,  
Sr. No. 149, VIP Road, Bharthana, Vesu, Surat 395 017

**CONTACT US**

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**REGISTRATION FORM**

WORKSHOP  
ON  
**"Recent Trend of Software's for Civil Engineering"**

- Full Name:
- Qualification:
- Designation:
- Experience:
- Department and Institution with Address:
- Contact Details:
  - i) Mobile Number: \_\_\_\_\_
  - ii) E-mail: \_\_\_\_\_
- Gender: Male/Female

**Some References for Software:**







Two days workshop on  
**"Recent Trend of Software's for Civil Engineering"**  
27<sup>th</sup> & 28<sup>th</sup> JULY, 2017



Organized by  
**Civil Engineering Department**  
In  
**Association with ISTE, New Delhi**




BHAGWAN MAHAVIR COLLEGE OF ENGINEERING AND TECHNOLOGY, SURAT      THE INDIAN SOCIETY OF TECHNICAL EDUCATION, INSTITUTIONAL CHAPTER, IN 2559

**CO-ORDINATOR**

Assistant Prof. Kamal Padhiar  
H.O.D., Civil Dept., BMCET, Surat

**ABOUT THE INSTITUTE**

Bhagwan Mahavir college of Engineering and Technology (BMCET), Surat is one of the leading Institutes in Gujarat established in 2008. The true success does not lie in result only; the education with moral and ethical values gives true success in life. Therefore we continuously invite eminent personalities for providing better benchmark to the students and faculty members.

**ABOUT THE DEPARTMENT**

Civil Engineering is a very vast and emerging branch. The Department comprises of competent, qualified and devoted staff members who are from various sub streams of parent branch. Department develops with all Infrastructure facilities, Instruments, Laboratories, Department Library etc. Department always connected with technical events.

**ABOUT WORKSHOP**

In civil engineering, design is a valuable tool for a variety of applications like documentation, drafting, visualisation,

analysis, collaboration, etc. It is a pre requisite for many engineering core subjects. Design tools utilize structural models to replicate the behaviour of an actual structure. Simulating a structure's behaviour before actually building it provides great insights into the behaviour of actual structure and saves the time and money.

**TOPICS TO BE COVERED**

Two day workshop will be conducted on 27<sup>th</sup> & 28<sup>th</sup> July 2017 having the courses on AUTOCAD 2D & 3D, E-Tabs, StaadPro and Primavera & etc. All these sessions will be helpful for the practical knowledge regarding these softwares which will alter their skills in designing, planning & structural design prospects.

Initially theory will be explained as per the scheduled forum. Faculties and students will get to know about the necessities & execution of these softwares. Then after practical participation will be done by the faculties as well as by the students and will come in contact with the functions and operations of the softwares that will enhance the designing skills.

**REGISTRATION**

The registration fees for participants are as follow:

Teaching Faculty of BMEF	300/-
Teaching Faculty outside BMEF+ Industry Delegates	600/-
Students of Civil department	500/-

**RESOURCE PERSON**

- Dr.J.N.Patel  
Professor,C.E.D.,Sunit,Surat
- Mr. Shallesh Patel  
CADD Centre, Surat
- Mr. Chirag K. Garg  
Synergy, New Delhi
- Mr. Virendra Patel  
Assistant Professor, BMCET, SURAT
- Mr. Jignesh N. Lad  
Archon Associates
- Mr. Vyom Pathak  
Assistant Proff., VBT, Umrah

**NOTES**

- Last date for registration: 25/07/2017
- The registration fee includes (Kit, Breakfast, Lunch)

**PATRONS**

Mr. Anil Jain, Managing Secretary, BMEF, SURAT  
Dr. Sanjay Jain, Treasurer, BMEF, SURAT  
Dr. Rajendra Sawant, DIRECTOR, BMCET, SURAT