



# **GUJARAT TECHNOLOGICAL UNIVERSITY**

## **REPORT ON FACULTY DEVELOPMENT PROGRAMME**

### **Basic Engineering Drawing**

**from**

**30<sup>th</sup> July to 1<sup>st</sup> August, 2012**

**FACULTY DEVELOPMENT PROGRAMME  
BASIC ENGINEERING DRAWING  
30-07-2012 TO 01-08-2012**

**ORGANIZED BY**



**GUJARAT TECHNOLOGICAL UNIVERSITY  
AHMEDABAD, GUJARAT .**

**FACILITATED BY**



**NATIONAL INSTITUTE OF TECHNICAL TEACHERS'  
TRAINING & RESEARCH [NITTTR], BHOPAL.**

Monday, July 30, 2012

A.M.TALSANIYA

## **RATIONALE:**

Engineering drawing is an effective language of engineers. It is the foundation block which strengthens the engineering & technological structure. Moreover, it is the transmitting link between ideas and realization. It is an attempt to develop fundamental understanding and application of engineering drawing. It covers knowledge & application of drawing instruments & also familiarizes the learner about Bureau of Indian standards.

The subject is almost offered to all branches. Looking to following considerations, it was felt that there must be an initiation to strengthen the content and methodology of teachers teaching this subject.

- The total intake of Diploma counts to 55000.
- To realize the objectives of curriculum which aims at developing the ability to imagine, draw and interpret various drawings.
- To fulfill industries' expectations.
- State counts almost 96 Polytechnics and majority of institutes have fresh teachers. Teachers need input for their better performance.
- To improve the ability and performance of students in fields as well in examinations.

## **FACULTY DEVELOPMENT PROGRAMME DETAILS:**

TITLE : BASIC ENGINEERING DRAWING.

DURATION : July 30, 2012 to August 01, 2012.

PARTICIPATION : 43 Participants from various institutes across the state. (list is produced below.

Sr.No.	Name of Participant	Designation	Institute Name
1	Mr. Harshit P Bhavsar	LME	Atul Polytechnic, MHUDI, KHADAT.
2	Mr. Hardik A. Patel	LME	B. S. Patel Polytechnic, KHERVA.
3	Mr. Devendra H. Pandya	HOD Mech	C. U. Shah Government Polytechnic, Surendranagar.
4	Mr. Gupta Varunkumar N	LME	Dalia Institute Of Diploma Studies, Kanera.
5	Mr. Paven J Panchal	LME	Dalia Institute Of Diploma Studies, Kanera.
6	Mr. Mistry P. R.	LME	Excel Institute Of Diploma Study, KALOL.
7	Mr. Abhijit R. Rahtod	L in Arc.Ass	Government Polytechnic for Girls, AHMEDABAD.
8	Mr. Patel Amit M.	LME	Government Polytechnic, PALANPUR.
9	Mr. J. B. Chauhan	LME	Government Polytechnic, GODHRA.

10	Mr. Soni Jigaar D.	LME	Image Engineering & Technology Institute, Matar.
11	Mr. Kalpesh A Parmar	LME	Image Engineering & Technology Institute, Matar.
12	Mr. Thakkar Hemin V.	LME	K. D. Polytechnic, PATAN.
13	Mr. Sudhir D. Patel	LME	L. J. Polytechnic, Ahmedabad.
14	Mr. Ankit V. Vala	LME	N. R. Vekariya Institute, Junagadh.
15	Mr. Butani Dipesh T.	LME	Om Shanti Diploma Engineering, Rajkot.
16	Mr. Milinkumar D. Parikh	LME	Parul Institute of Engineering & Technology.
17	Mr. Miteshkumar H. Chauhan	LME	Parul Institute of Engineering & Technology.
18	Mr. Ladumor Ramesh	LME	Parul Institute of Engineering & Technology.
19	Mr. Simit B Prajapati	LME	Parul Institute of Engineering & Technology.
20	Mr. Vidya Sagar Sinha	LME	Parul Polytechnic Institute - Limda.
21	Mr. Bhavesh Valiya	LME	Parul Polytechnic Institute - Limda.
22	Mr. Dineshkumar T. Dubey	LME	Parul Polytechnic Institute - Limda.
23	Mr. M. G. Patel	LME	R. M.S. Polytechnic, Bakrol.
24	Mr. Pandey Atulkumar I.	LME	R.C.Technical Institute, Ahmedabad.
25	Mr. Pradip P. Sindhawa	LME	S. B. Polytechnic, SAVLI.
26	Mr. Divyesh Mehta	HOD Mech	Sarvoday Polytechnic Institute, Limdi.
27	Mr. Sagar Ramavat	LME	Sarvoday Polytechnic Institute, Limdi.
28	Mr. Bavariya Mukeshkumar G.	LME	Sarvoday Polytechnic Institute, Limdi.
29	Mr. Kalpesh R. Patel	LME	Shree Hari Polytechnic Institute, NaniKadi.
30	Mr. Jadav D. K.	LME	Shri N. M. Gopani Polytechnic, Ranpur.
31	Mr. Chauhan A. A.	LME	Shri N. M. Gopani Polytechnic, Ranpur.
32	Mr. G. S. Thakar	LME	Sir Bhavsinhji Polytechnic Institute, Bhavnagar.
33	Mr. Hardik C. Parmar	LME	Sir Bhavsinhji Polytechnic Institute, Bhavnagar.
34	Mr. Palan Pratik Narottam	LME	Tolani FG Polytechnic, Adipur.
35	Ms. Nibedita Mishra	LME	Tolani FG Polytechnic, Adipur.
36	Mr. Godhwani Ramesh D.	LME	Tolani FG Polytechnic, Adipur.
37	Mr. M. A. Modi	LME	Valia Polytechnic College, VALIA.
38	Mr. P. C. Patel	LME	Valia Polytechnic College, VALIA.
39	Mr. Thummar K. M.	LME	Vedvyas Polytechnic, Himatnagar.
40	Mr. Panchal Nitin K.	LME	Vedvyas Polytechnic, Himatnagar.
41	Mr. Hardik R. Patel	LME	VPMP Polytechnic, Gandhinagar.
42	Mr. Thakkar Umang B.	LME	VPMP Polytechnic, Gandhinagar.
43	Mr. Ghanshyam D. Mistry	LME	Government Polytechnic, Himmatnagar.

## **PROFILE OF EXPERT MENTORS:**

1. Proff. Shri Sharad Pradhan. Chief coordinator, spradhan@nittrbpl.ac.in , 09300802353.

Associate Professor, Mechanical Engineering Department, NITTTR, Bhopal.  
Perusing his PhD in CAD/CAM area from IIT, Delhi.  
Conducted many training programmes in the areas of CAD/CAM.

2. Proff. Shri A.M.Talsaniya. Coordinator, atalsaniya@yahoo.com, 9909288218.

Lecturer in Mechanical Engineering, Sir B.P.I., Bhavnagar.  
ME (Production), MBA (HR).  
Has 11 years of industrial experience and 23 years of teaching experience.

3. Proff. Shri M.P.Patel.

Head of Department, VPMP Polytechnic, Gandhinagar.  
Has almost 45 years of experience in teaching of Engineering Drawing.

## **CONTENT OF THE PROGRAMME :**

Day	First Session	Second Session		Third Session	Fourth Session
Mon 30.7.1	Registration & Introduction to Programme.  <b>ALL</b>	Issues related to Engg. Drawing subject.  (Group activity).  <b>SP/AT</b>	<b>L U N C H</b>	<ul style="list-style-type: none"> <li>• Features of new Curriculum of Basic Engineering Drawing.</li> <li>• Need of industry.</li> </ul> <b>AT/SP</b>	<ul style="list-style-type: none"> <li>• Overview of Learning principles and Content analysis of Engg. Drawing topics.</li> <li>• Formulation of Instructional objectives for Engg. Drawing topics</li> </ul> <b>SP</b>
Tue 31-7-	<ul style="list-style-type: none"> <li>• Specification Table.</li> <li>• Preparing model question paper and model term work data. (Group activity).</li> </ul> <b>SP/AT</b>	<ul style="list-style-type: none"> <li>• Content delivery on Projection of Point, Line and Plane.</li> <li>• Exercise on the topic</li> </ul> <b>MPP</b>		Content delivery on  Isometric Drawing  <b>SP</b>	Technology Enabled Learning for Engineering drawing(Internet, open source courseware etc.)  <b>SP</b>
Wed 1-8-12	<ul style="list-style-type: none"> <li>• Use of AutoCAD and Power Point in teaching Engineering drawing</li> </ul> <b>SP</b>	<ul style="list-style-type: none"> <li>• Content delivery on Orthographic Projection.</li> <li>• Exercise on the topic</li> </ul> <b>SP/MPP</b>		<ul style="list-style-type: none"> <li>• Making PP Presentation on one topic of ED.</li> <li>• Presentation by group</li> </ul> <b>SP/AT</b>	Feedback & Valedictory of the programme

**FEEDBACK:**

1. Overwhelming response, not only for registration but also during the programme.
2. Great enthusiasm from participants.
3. Overall ranking of the programme is Excellent.

**ANTICIPATED OUTCOME:**

1. True implementation of syllabus of Basic Engineering Drawing in its spirit.
2. Exchange of content and views among faculties of Basic Engineering Drawing.
3. Improvement in the performance of faculties and in turn of the students.

## PHOTOGRAPH GALLERY:



## INAUGRAL FUNCTION



## PARTICIPANTS ON INAUGRAL FUNCTION



**PARTICIPANTS ON INAUGRAL FUNCTION**



**GROUP ACTIVITIES**



**GROUP ACTIVITIES**



**GROUP ACTIVITIES**

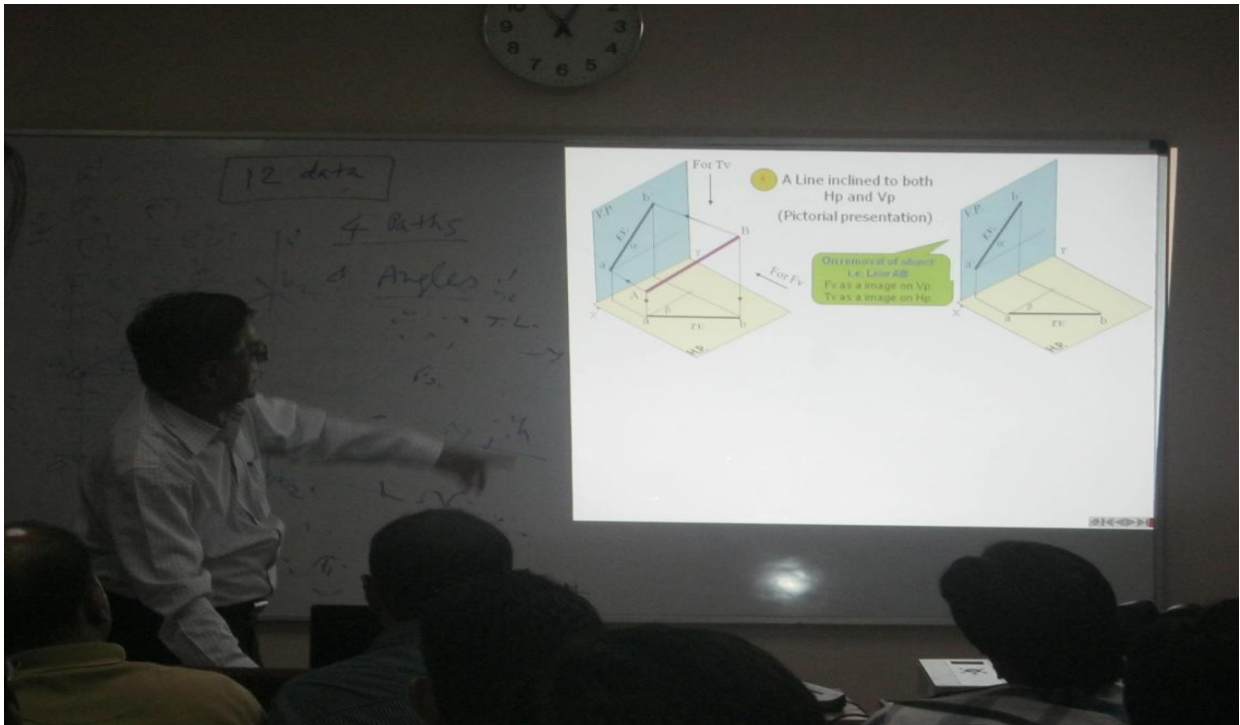




**SESSION BY PROFF. SHRI SHARAD PRADHAN**



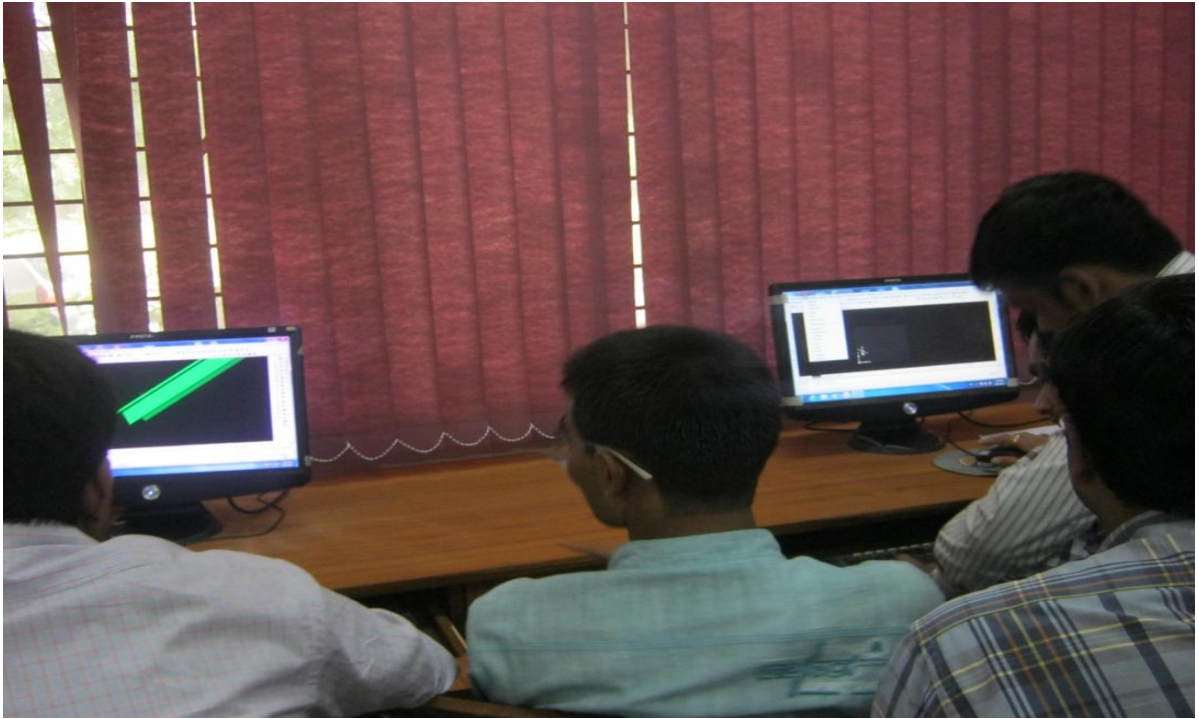
**SESSION BY PROFF. SHRI M.P.PATEL**



**SESSION BY PROFF. SHRI M.P.PATEL**



**PRACTICE SESSION**



**PRACTICE SESSION**



**FEEDBACK SESSION**



**INTERACTION DURING FEEDBACK**



**VALIDICTORY FUNCTION**