

INDEX OF ANCHOR INSTITUTE WEB PAGE

Sl.No	Page	Page Details
1	Main Page	Anchor Institute
2	<i>Sub Page-1</i>	<i>Infrastructure facilities</i>
3	<i>Sub Page-2</i>	<i>Functioning</i>
4	<i>Sub Page-3</i>	<i>Training Programs conducted</i>
5	<i>Sub Page-4</i>	<i>Tentative calendar</i>
6	<i>Sub Page-5</i>	<i>Registration Form</i>
7	<i>Sub Page-6</i>	<i>Nodal Institutes</i>
8	<i>Sub Page-7</i>	<i>Photo Gallery</i>
9	<i>Sub Page-8</i>	<i>Achievements</i>
10	<i>Sub Page-9</i>	<i>Contact Us</i>



सत्यमेव जयते

GOVERNMENT OF GUJARAT



CED

The Centre for Entrepreneurship Development
A Government of Gujarat Organisation

CIPET- Ahmedabad

Anchor Institute (Plastics & Packaging)

Promoted by

Promoted by Industries Commissionerate, Govt. of Gujarat

CIPET-Ahmedabad has been identified as **Anchor Institute in Plastics & Packaging sector** by the State Level Approval Committee as per **Resolution No. CED-112007-2081(1)-I Dated: 23/8/2010 Government of Gujarat.**

Objective:

The objective of the Anchor Institute is to take various initiatives in creating **readily employable and industry responsive Man Power for Plastics & Packaging sector** across the State through various activities.

- To Upgrade faculties of various technical Institutions (Degree/Diploma/ITI) through Faculty Development Programmes
- Provide technical support to the technical educational institutions (Degree/Diploma/ITI)
- Selection of Nodal Institute to further carry out Anchor institute activities.
- Capacity building of the Nodal Institutions for taking up developmental projects and consultancy for the benefit of industries
- Curriculum preparation, periodic review and updation of the syllabus of it is.
- Design & Development of various Short Duration Training Programmes for the benefit of Students, Industry People and unemployed youths of the state
- Preparation of teaching & reference materials (SDTP & Regular courses)
- Identification of new training programmes based on industry feedback
- To encourage faculties of Anchor Institute for undertaking R & D and consultancy assignments
- Benchmarking of the Programmes offered by ITIs/Diploma institutions.

The wide industrial base in Gujarat state is expected to increase significantly in near future due to the large new investments coming in, which in turn would require lot much technically skilled manpower. **The Industrial Commissionerate, Gandhinagar**, has decided to tackle this issue through training and skill development programmes for technical manpower to be conducted on massive scale by academic institutes.

Our responsibilities as a State Level Anchor Institute includes:

- Identifying the training & skill development areas/programmes as per the need of the industries in Gujarat state at ITI, Diploma & Degree Level.
- Designing the training programmes and preparation of their course materials.
- Identifying the faculties for these training programmes.
- Organizing the training programmes.
- Organizing faculty development programmes (training for trainers) for conducting these training programmes through the selected Nodal Institutes.
- Supervision and assistance to the Nodal Institutes to run training programmes.
- Benchmarking of these training programmes.

The targeted beneficiaries of these programmes are:

- Unemployed technical manpower having completed the formal study
- Technical manpower already in job
- Faculty members from the technical institutions
- Final year students of technical institutions

Infrastructure Facilities

- Faculty Cabins & Staff Office
- Conference/Seminar Room



Faculty Cabins & Staff Office

Anchor Institute is having well furnished faculty cabins with two individual PC with internet connection & individual intercom system with scanner, printer and copier



Conference & Seminar Room

Seminar Room having capacity to accommodate 50 trainees with a facility of Wide screen LCD Projector, a PC with Internet connection & 2 Air conditioning plant of 4 tons.



Infrastructure establishment under progress

Plastics & Packaging Processing Lab

Sr.no	Description
1	Injection Stretch Blow Moulding plant
2	Injection Moulding Machine
3	Training Simulators -Hardware & Software

Plastics Tooling Lab

Sr.no	Description
1	C.N.C Milling Machine
2	C.N.C Turning machine
3	C.N.C Spark Erosion machine
4	Reverse Engineering Equipment
5	Training Simulators -Hardware & Software

Plastics & Packaging Testing Lab

Sr.no	Description
1	Fourier Transformed Infrared Spectrophotometer- FTIR
2	Moisture Vapor/Oxygen transmission rate Analyser MVTR/OTR
3	Dynamic Mechanical Analyser- DMA

CAD/CAM/CAE Lab

Sr.no	Description
1	Hard Ware & Net working
2	Gadgets for Teaching Room
3	CAD/CAM/CAE Software
4	Other Software

3	Sub Page-2	Functioning
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Dr. Subhash. C.Shit	Deputy Director & Chairman Anchor Institute Project
Mr. G.C.Saini	Chief Manager(T) & Nodal Officer Anchor Institute Project

Regular Faculty Members & Programme Coordinators	
1	Mr. Sanjay Saxena
2	Mr. K.A.Rajesh
3	Mr. R.A.Makwana
4	Mr. J Bosco
5	Mr. Ravindra Reddy
6	Mr. Jeevan Ram
7	Mr. E.Shivakumar
8	Mr. Jagan S. Mehta
9	Mr. Kirti Trivedi
10	Mr. Sanjay Nayee
11	Mr. Atul Vaghela
12	Mr. Dinesh Thakkar
13	Mr. K.C.Rathod
14	Mr. A.R.Sisodia
15	Mr. Anil Shah
16	Mr. Rajesh Maheria
17	Mr.S.L.Prajapati
18	Mr. Nilesh Dave
19	Mr. Mritunjay

Sr. no	Course	Duration	Faculty	Students	Industry Participants	Total participants	Man days
1	PLASTIC PROCESSING TECHNIQUES	14.12.09 TO 18.12.09	10	–	–	10	50
2	CNC & ADVANCED MACHINING TECHNIQUES	21.12.09 TO 25.12.09	13	–	–	13	65
3	COMPUTER BASED STIMULATED TRAINING ON VARIOUS PLASTIC PROCESSING TECHNIQUES	25.01.10 TO 29.01.10	10	–	–	10	40
4	PACKAGING TECHNOLOGY	08.02.10 TO 12.02.10	9	–	–	9	45
5	CAD/CAM/CAE APPLICATIONS FOR PLASTICS	15.02.10 TO 19.02.10	13	–	–	13	65
6	TESTING & QUALITY CONTROL FOR PLASTICS & PACKAGING	15.03.10 TO 19.03.10	12	–	–	12	60
7	DESIGN & DRAFTING THROUGH AUTOCAD	03.03.10 TO 28.03.10	6	–	–	6	114
8	MOULD MAKING TECHNIQUES	07.06.10 TO 11.06.10	7	–	–	7	35
9	INJECTION MOULDING TECHNIQUES	21.06.10 TO 25.06.10	8	–	–	8	40
10	CNC TURNING – PROGRAMMING & OPERATION	02.08.10 TO 07.08.10	9	–	–	9	180

Sr.no	Course	Date	Faculty	Students	Industry Participants	Total participants	Man days
11	PLASTIC FILM MANUFACTURING TECHNIQUES	13.09.10 TO 17.09.10	7	-	-	7	35
12	DESIGN, DRAFTING & MODELING THROUGH UNIGRAPHICS	29.11.10 TO 10.12.10	9	-	-	9	90
13	METHODICAL MOULD DESIGN & FABRICATION	20.12.10 TO 24.12.10	8	-	-	8	40
14	CAD/CAM/CAE WITH PRO-ENGINEER	03.01.11 TO 13.01.11	14	-	-	14	126
15	CNC MILLING TECHNIQUES – PROGRAMMING & OPERATION	28.02.11 TO 11.03.11	17	-	-	17	170
16	TESTING & QUALITY CONTROL OF ALL TYPES OF PLASTICS PIPES	28.03.11 TO 01.04.11	8	-	-	8	40
17	CAD/CAM/CAE FOR PLASTICS MOULD DESIGN	11.04.11 TO 21.04.11	10	-	-	10	90
18	2D-3D DRAWING THROUGH AUTO CAD	25.04.11 TO 29.04.11	11	-	-	11	55
19	UNIGRAPHICS NX 7 CAD/CAM AND MOULD WIZARD	01.04.11 TO 30.04.11	15	-	-	15	315
20	CNC MACHINING FOR PLASTIC MOULD MANUFACTURING.	16.05.11 TO 20.05.11	10	-	-	10	50

Sr.no	Course	Date	Faculty	Students	Industry Participants	Total participants	Man days
21	PLASTICS PRODUCT DESIGN	23.05.11 TO 27.05.11	10	–	–	10	50
22	EDM AND WIRE CUT APPLICATION FOR PLASTICS MOULD MAKING	06.06.11 TO 10.06.11	10	–	–	10	50
23	MICRO-PROCESSOR BASED INJECTION MOULDING MACH-OPERATION TECH.	13.06.11 TO 17.06.11	3	–	2	5	25
24	PLASTICS PRODUCTS TESTING – STANDARDS & SPECIFICATIONS	20.06.11 TO 24.06.11	2	–	4	6	30
25	PLASTIC PROCESSING SIMULATION TECHNIQUES	01.04.11 TO 30.06.11 (1 WEEK)	–	18	–	18	90
26	C.N.C MACHINING TECHNIQUES	01.04.11 TO 30.06.11 (2 WEEKS)	–	12	–	12	120
27	PLASTICS PROCESSING TECHNOLOGY	01.04.11 TO 30.06.11 (2WEEKS)	–	8	–	8	80
28	DESIGN THRO AUTOCAD	05.09.20 TO 16.09.11	7	-	-	7	70
29	PROGRAMING & OPERATION OF CNC LATHE MACHINE	05.09.11 TO 30.09.11	3	5	-	8	160
30	PROGRAMING & OPERATION OF CNC MILLING MACHINE FOR ITI STUDENTS	14.09.11 TO 13.10.11 (4 WEEKS)	-	11	-	11	220
TOTAL PARTICIPANTS			241	54	6	301	2600 Man days

5	Sub Page-4	Tentative calendar
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Tentative Calendar for Faculty Development Programme –
Anchor Institute Project (UP TO JUNE-2012)

Sl. No	Programme Module	Duration	Tentative Dates	Intake
1.	Design & Drafting through AutoCAD	4 weeks	2 nd – 27 th Jan 2012	10 for each course
2.	<i>C.N.C Milling Techniques – Programming & Operation</i>	4 weeks	6 th Feb- 02 nd March 2012	
3.	Injection Moulding Techniques	1 week	19 th – 23 th March 2012	
4.	CNC Turning – Programming & Operation	4 weeks	2 nd – 27 th April 2012	
5.	Testing of all types of Plastic Films & Laminates	1 week	14 th – 18 th May 2012	
6.	Methodical Mould Design & Fabrication	1 week	11 th – 15 th June 2012	

Nodal Institutes under Anchor Institute CIPET

Based on the communication, interaction & response from various technical institutions across the state, following 2 Institutes - **ITI- Kuberanagar & ITI-Bilimora** are selected as a Nodal Institutes. The “MOU” signing ceremony was held at CIPET-Ahmedabad on **17th June 2011**, in presence of **CED Officials & representative of DET** along with other officials of Anchor & Nodal Institutes.

ITI- Kuberanagar

Kuberanagar, Galaxy Cinema Road,
P.O. Sardarnagar Kuberanagar,
Ahmedabad District: Ahmedabad
Contact Person: Shri P.A. Mistry- Principal
Phone: 079-22810638
Email Address : prlkuberanagariti@yahoo.co.in

ITI- Bilimora

Po. Aataliya, Ta: Gandevi, Bilimor District : NAVASARI
Contact Person: Shri V.V.JOSHI -Principal
Phone : 02634-284652
Email Address : iti-aataliya-nav@gujarat.gov.in



FDP TITLE: Design through AUTOCAD
DURATION: 05.09.2011 TO 16.09.2011



FDP TITLE: Programming and Operation of CNC Milling Machine
DURATION: 14.09.2011 TO 13.10.2011



FDP TITLE : Plastics Products Testing-Standards & Specifications
DURATION: 13.06.2011 TO 17.06.2011



FDP TITLE : Testing & Quality Control of all types of Plastics Pipes
DURATION : 28.03.2011 TO 01.04.2011



FDP TITLE : Microprocessor based injection Moulding Machines Operation Techniques
DURATION : 13.06.2011 TO 17.06.2011



FDP TITLE : 2D-3D Drawing Through Auto CAD
DURATION : 25.04.2011 TO 29.04.2011



FDP TITLE : EDM & Wire cut application for Plastics Mould Making
DURATION : 06.06.2011 TO 10.06.2011



FDP TITLE : C.N.C Machining for Plastics Mould Manufacturing
DURATION : 16.05.2011 TO 20.05.2011



Achievements :

- 30 training programmes conducted successfully.
- Total 301 Faculty from Engineering Institutes & Polytechnics, Industrial personnel & students were trained.
- “MOU” Signed with two Nodal Institutes- ITI- Kubernagar & ITI- Bilimora
- Development of infrastructure for training purpose is under progress.

Total FDP Planned under Anchor Project	36 over the 3 years
FDP conducted so far	30
Participants benefitted	301
No. of Man days of Training provided	2600 Man days
FDPs Planned during July 2011 to June 2012	06
Average Customer Satisfaction Index (CSI)	92.6 %

**Contact us: Anchor Institute Project Cell
(Plastics & Packaging Sector)**



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