



Central Institute of Petrochemicals Engineering & Technology (CIPET)

Department of Chemicals & Petrochemicals
Ministry of Chemicals & Fertilizers
Govt. of India



CIPET : PWMC - VARANASI



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Quiz competition was organized on “General Knowledge and Science” for students at Chandrapur centre on 8th November, 2024.

Shri Manoj Ahire – Area Manager, Prasad Group, Ahmedabad conducted a series of expert lectures sessions on “Introduction of Auxiliary Equipments and Automation” in collaboration with M/s Prasad Group, Ahmedabad for Final year students at Aurangabad centre on 12th, 13th & 19th November, 2024.



Vigilance awareness by Shri Gangadhar - Inspector of Police, Police Training Academy, Mysuru at Mysuru centre on 13th November, 2024.

Expert lecture on "Importance of Hot Runner system in Mould Design & Plastics Moulding” by Shri Shikhar Arya – India Business Head and Shri Vishal Chaudhary, Manager Operation, M/s. Adroit Hot Runner System, Delhi for students at Bhopal centre on 14th November, 2024.





Entrepreneurship Awareness program (EAP) on “Application of Plastic Products” in collaboration with MSME, Nagpur was organized at Chandrapur centre on 14th November, 2024.

III year DPMT students from Lucknow centre attended the training on “Advanced Tooling at Indo Japan Technologies Center (IJTC)” at Wipe Industries, Lucknow on 16th November, 2024.



Guest Lectures conducted by Shri Vijay – Asst. Manager, M/s. Prasad Group of Industries at Vijayawada centre on 18th and 27th November, 2024.

Expert Lecture on “Application of AI & Machine Learning In Plastics Mould Simulation” by Shri Manish Raj – M/s. REPL Info system, Noida for students at Bhopal centre on 20th November, 2024.





Parent-Teacher Meeting at Mysuru centre on 22nd November, 2024.

Shri A. Sivananth – Inspector of Police-Prohibition Excise Wing, St. Thomas Mount, Mrs. Bhavani – Inspector, Prohibition enforcement wing and Mrs. Tamilarasi Babu – Public prosecutor & Legal advisor to Commissioner of Police gave lecture to students of B.Tech. (PT) and B.E. (Mfg. Engg.) during an awareness program on “Anti Drug” conducted at Chennai centre on 23rd November, 2024.



Three days training program on “Personality Development” by Mrs. Sapna Pathak - Trainer on the overall development of a student at Raipur centre on 25th, 26th and 28th November, 2024.

Shri B. Ravi Kumar – SHO, Cherlapally Police Station interacted with Diploma students for awareness on “Anti drugs, Cyber crimes & Ragging” at Hyderabad centre on 27th November, 2024.





Expert lecture on “Fundamentals of Granulators and the Recycling Process” delivered by Shri G.K. Biswal – Branch Manager, M/s. Prasad Group for students at Agartala centre on 29th November, 2024.

Students Participation in External Activities



Mr. S. Anbumani – II Year B.Tech. student of Chennai centre participated in the Anna University Zonal Athletic Meet and won silver - 2nd place in 5000 mtr event at Tamil Nadu Physical Education and Sports University on 16th November, 2024.



Students of Guwahati centre participated & played upto semifinal level in a Football Tournament conducted by AIIMS Guwahati in connection with “AIIMS Guwahati Annual Sports & Cultural Event-ETERNIA 2024” at Guwahati centre Playground from 26th to 30th November, 2024.



Students of Guwahati centre participated in Singing & Dance competition (performing *Bihu* Dance) in *ETERNIA 2024* (AIIMS Guwahati Annual Sports & Cultural Event) at AIIMS-Guwahati Auditorium on 28th to 30th November, 2024. CIPET:CSTS-Guwahati has won the 2nd prize in the competition.



Students of Guwahati centre participated in Quiz competition in *ETERNIA 2024* (AIIMS Guwahati Annual Sports & Cultural Event) on 30th November, 2024.

Fresher's Day



Fresher's Day and Kannada Rajyotsava was celebrated at Mysore on 21st November, 2024. Shri Prakash Gowda - President, HEMA, Mysuru was the Chief Guest.



Fresher's Day of UG Programs – “Prarambh 2024” was observed at Lucknow centre on 26th November, 2024.

Sports Week

Annual Sports Day was observed at CIPET centres with various indoor & outdoor games were organized.



At Mysore centre from 4th to 8th November, 2024.



At Korba centre from 11th to 14th November, 2024.



At Bhopal centre from 18th to 23rd November, 2024.



At Dehradun centre on 20th to 22nd November, 2024.



At Guwahati centre on 21st November, 2024



At Jaipur CSTS centre from 21st to 25th November, 2024.



At Raipur centre from 25th to 30th November, 2024.



At Hyderabad centre from 26th to 28th November, 2024.



At Ranchi centre from 27th to 30th November, 2024.



At Baddi centre from 28th to 29th November, 2024.

Wellness Meeting



Dr. Nitin Kumar Yadav - Yoga Specialist at Lucknow centre on 7th November, 2024.



Shri Sanjay Kumar Tiwari – Clinical Psychologist, Korba at Korba centre on 18th November, 2024.



Dr. Anaanya Pareek - Medical Oncologist through Dr. Reddy's Foundation for Health Education (DRFHE) at Jaipur centre on 20th November, 2024.



Shri Ashok Kumar Thakur – General Manager, M/s. Micro Turner -Inds. Unit-II on hard work at Baddi centre on 20th November, 2024.



Swami Mahamedhanandha from Ramakrishna Mission, Mysore at Mysuru centre on 28th November, 2024.



Dr. Parmeika Rawat at Dehradun centre during the month of November, 2024.

A glimpse into the Student Club Activities at CIPET centres across the country:

Environment Club



Tree plantation drive was conducted by Mysuru centre to enhance biodiversity, improve air quality, and promote sustainability on 18th November, 2024.

Standard Club



Standard Club members of Guwahati centre participated in the “Run for Quality” organized by BIS Guwahati at Nehru Stadium on the occasion of World Standard Day 2024 celebration on 3rd November, 2024.

Arts Club



Awareness program was organized on Entrepreneurship Awareness program (EAP) on “Application of Plastic Products” at Chandrapur centre on 14th November, 2024.

Reader's Club



Declamation activity was organized at Ranchi centre on 20th November, 2024.

On the occasion of Constitution day, reading activity “Preamble reading of Constitution of India” was organized for students at Chandrapur centre on 26th November, 2024.



Debate and Quiz Club



Quiz competition on “GK and Science” was organized for students at Chandrapur centre on 8th November, 2024.

Speech competition on “Child Labour” was organized at Ranchi centre on 14th November, 2024.



Citizens Consumer Club



An Awareness program on “Consumer Rights” for LTC & STC students was conducted at Guwahati centre on 13th November, 2024.

Electoral Literacy Club



Electoral literacy club of Kochi centre conducted awareness class related to inclusion of name in voter list on 26th November, 2024 by Shri Tomy Sebastian – Tahasildar, Paravur Taluk, Ernakulam district to the students.

Photography Club



Photographs on the theme “Pollution” by Mr. Devraj Patra and Mr. Suyash Kumar -I Year DPMT students of Ranchi centre.



Photographs by Mr. Dushyant Sharma – IV Year, B.Tech (PT) student of Murthal centre.

The Placement Department at each CIPET centre is regularly organizing visits to Industries for the students of Academic Programs as well as the Skill Training Programs as a part of their study. This helps the students to have an Exposure of the Industrial setup in their domain of study.



Students from Hyderabad centre visited M/s. Tejaswi Packaging Ltd (Blow Moulding Manufacturing Plant), Cherlapally on 1st November, 2024.

Students from Hyderabad centre visited M/s. Nagarjuna Polymers (HDPE Pipes Manufacturers), Cherlapally on 7th November, 2024.



Students from Hyderabad centre visited M/s. Sri Durga Polymers (Local Recycling Plastics Manufacturers), Cherlapally on 12th November, 2024.

Students from Bhubaneswar IPT centre visited M/s. Diamond Polymer, Bhubaneswar on 14th November, 2024.





Students from Palakkad centre visited M/s. Sagar Poly pack, Palakkad on 16th November, 2024.

Students from Bhopal centre visited M/s. Global Skill Park, Bhopal on 18th November, 2024.



Students from Murthal centre visited M/s. Subros Limited, Manesar, Gurugram on 19th November, 2024.

Placement

Pre-Placement activities for Academic Programs at CIPET Centres.



Pre placement talk cum campus placement drive by M/s. Navaratna Eco-Products Pvt. Ltd., Hyderabad for DPT & PGD-PPT students at Hyderabad centre on 8th November, 2024,.

Recruitment activity at CIPET centres....



M/s. Saibaba Polymer Technology Pvt. Ltd., Hyderabad for B.Tech. (PE & MET) students at Bhubaneswar IPT centre on 7th November, 2024.



M/s. Stride 4 Excellence, Sobha Group, Abu Dhabi for B.E. (Mfg. Engg.) and B.Tech. (PT) students at Chennai centre on 7th November, 2024.



Virtual Interview by M/s. Marelli Motheson Automotive Lighting, Pune for SDTP students at Bhubaneswar CSTS centre on 7th November, 2024.



M/s. Kriti Industries Pvt. Ltd. Pithampur at Bhopal centre on 9th November, 2024.



M/s. Baba Group of Companies, Hyderabad for DPT, DPMT & PGD-PPT students at Hyderabad centre on 13th November, 2024.



M/s. EPL Ltd., Guwahati for Long Term students at Guwahati centre on 14th November, 2024.



M/s. GLOPACK Industries Pvt. Ltd., for B.Tech (PT) & Diploma students at Murthal centre on 14th November, 2024.



M/s. The Supreme Industries Limited, Hyderabad for DPT, & PGD-PPT students at Hyderabad centre on 14th November, 2024.



M/s. Kandui Industries Pvt. Ltd., Silvassa, Gujarat for B.Tech. (PE & MET) and M.Sc. Tech students at Bhubaneswar IPT centre on 19th November, 2024.



M/s. Kandui Industries Pvt. Ltd., Silvassa, Gujarat for SDTP students at Bhubaneswar IPT centre on 20th November, 2024.



M/s. Roechling Industrial India Pvt. Ltd., Gujarat for B.Tech. (PE & MET) students at Bhubaneswar IPT centre on 21st November, 2024.



M/s. Kandui Industries Pvt. Ltd., Daman at Bhubaneswar CSTS centre on 21st November, 2024.



M/s. Creative Propack Ltd., Chaygaon, Guwahati for Long Term students on 22nd November, 2024.



M/s. Wipro Pari, Pune for DPMT students at Aurangabad centre on 22nd November, 2024.



M/s. Yanfeng Automotive Interior, Pune at Bhopal centre on 22nd November, 2024.



Virtual Interview by M/s. Banco Gasket Product Ltd., Vadodara for SDTP students at Bhubaneswar CSTS centre on 22nd November, 2024.



M/s. Relysis Medical Devices Limited Hyderabad for DPT, & PGD-PPT students at Hyderabad centre on 22nd November, 2024.



M/s. SABIC IP India Pvt. Ltd., Vadodara at Bhopal centre on 25th November, 2024.



Virtual Interview by M/s. CTMIL, Chennai for Diploma students at Bhubaneswar CSTS centre on 25th November, 2024.



Virtual Interview by M/s. TATA Autocomp System Limited, Pune for DPT & DPMT students at Agartala centre on 26th November, 2024.



Virtual Interview by M/s. Motherson Automotive Technologies & Engineering (MATE), Pune for Diploma students at Bhubaneswar CSTS centre on 27th November, 2024.



M/s. Poly Medicare Limited, Ltd., Faridabad. for Diploma students at Murthal centre on 28th November, 2024.



Virtual Interview by M/s. Singha Moulds India Pvt. Ltd., (Haryana) for DPMT students at Agartala centre on 29th November, 2024.



M/s. T. E. Connectivity, Shirval, Pune for DPMT & PGD-PPT students at Aurangabad centre on 29th November, 2024.



M/s. Nilkamal Limited, Silvassa for SDTP students at Navsari centre on 29th November, 2024.

Transition from Campus to Industry...

It's a memorable and proud moment for the students when they are stepping into their career on successful completion of their academic program. A glimpse into the on-boarding program attended by CIPET students.



Students from Agartala centre at M/s. Longtharai Industries, Agartala on 4th November, 2024.



Students from Bhubaneswar CSTS centre at M/s. Satish Group, Chakan plant on 18th November, 2024.



Students from Bhubaneswar CSTS centre at M/s. Yazaki India Pvt. Ltd., Wagholi plant on 14th November, 2024.



Post Placement Tracking of PGD-PPT students of Aurangabad centre (2023-24) at M/s. Legrand India, Sinnar, Nashik.



Skill Development Program on “Additive Manufacturing” was conducted to Mr. Vineeth Babu (3 Months + 1 month internship) at SARP:ARSTPS, Chennai from 23rd July to 22nd November, 2024.

Two Month Internship was conducted for 10 International Students of final year B.Tech. (Petrochemical Engg.) from Mewar University, Rajasthan at Chennai centre from 1st October to 29th November, 2024.



Tailor Made course on “Injection Moulding: Parameter settings, Optimization and Troubleshooting” was conducted at Palakkad centre from 28th October to 8th November, 2024.

Skill Training Program on “Fundamentals of Polymer Synthesis and Characterization Technique” was conducted at Palakkad centre from 4th to 8th November, 2024.





Skill Training Program on “Injection Moulding Technique” was conducted at Palakkad centre from 4th to 8th November, 2024.

Onsite Tailor Made Course on “Knowledge on Engineering Plastics - Materials, Compounding, Properties, Applications, Material Selection, Processing and Testing & Quality Control” was conducted for officials of M/s Asian Paints, Mumbai from 6th to 7th November, 2024. Dr. Syed Amanulla – Chief Manager (T), Chennai centre was the course Co-ordinator.



Tailor Made Course on “Plastics Product Development” was conducted for 04 participants from M/s. Evoqua Water Technologies Pvt. Ltd., Chennai at SARP:ARSTPS, Chennai from 6th to 26th November, 2024.

Training program on “Basics of Plastics Materials, Testing & Processing” for M/s. Mercedes-Benz Research and Development India, Bengaluru was conducted at SARP:APDDRL, Bengaluru on 12th and 14th November, 2024.





Short Term Course on “Testing & Quality Control of PVC and HDPE Pipes” was conducted at Chennai centre from 18th to 19th November, 2024. Mrs. S. Udhayamalar – STO, Chennai centre was the course co-ordinator.

Skill Up gradation Internship training program on “Internet of Things” for PM Shri School Jawahar Navodaya Vidyalaya, Angul students was conducted at Bhubaneswar IPT centre from 25th to 29th November, 2024.



Five days Internship Training Program on “Plastics Processing and Testing Techniques” was conducted for 25 nos. M.Sc. Chemistry students from Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai at Chennai centre from 25th to 29th November, 2024.



On Job Training session for the students of GVHSS, Odakkali was organized at Kochi centre from 27th November to 3rd December, 2024.



In line with the Government of India's "Skill India" initiative, various Skill Development Training Programs (SDTP) are conducted at CIPET centres across the country with the support of various Government departments and Sponsoring Agencies.



Officials from Telangana BC Corporation, Govt. of Telangana attended Selection Committee Meeting for Unemployed BC Youth sponsored by M/s. Telangana BC Corporation, Govt. of Telangana at Hyderabad centre on 13th November, 2024.

Selection Committee Meeting was conducted for SDTP on "Machine Operator & Programmer – CNC Milling" sponsored by M/s. SABIC at Chennai centre on 18th November, 2024.



SDTP – Theory & Practical Session

Theory and Practical session of Skill Development Training Program (SDTP) conducted at CIPET centres.....





SDTP – Inauguration



Shri Amardeep Gudia – Sr. Manager CC & CSR and Shri Sharad Kumar – Manager, Hindi & CSR from Indian Oil Corp. Ltd., Bongaigaon Refinery interacted with students and distributed Study Material to Indian Oil Corp. Ltd.- Bongaigaon Refinery sponsored SDTP students at Guwahati centre on 25th November, 2024.

SDTP – Additional



SDTP Students of Guwahati centre participated in Volleyball Tournament in *ETERNIA 2024* (AIIMS Guwahati Annual Sports & Cultural Event) at AIIMS Guwahati Playground from 26th to 30th November, 2024. CIPET:CSTS-Guwahati team won the trophy.



On the occasion of Constitution day, Debate competition was organized for SDTP students at Dehradun centre on 26th November, 2024.

Shri Samrat Rawat from M/s. RSLDC visited Dehradun centre & interacted with PMKVY 4.0 course students on 29th November, 2024.



SDTP – Assessment



Assessment of SDTP on “Machine Operator – Plastics Processing (MO-PP)” sponsored by M/s. Petronet LNG Limited, New Delhi was conducted at Dehradun centre on 6th November, 2024.

Assessment of SDTP on “Machine Operator- Injection Moulding Plastics (MO-IMP)” sponsored by M/s. PMKVY 4.0, New Delhi was conducted at Bhopal centre on 22nd November, 2024.





Assessment of SDTP on “Assistant Machine Operator- Injection Moulding Plastic” under PMKVY-4.0-CSCM STT was conducted at Agartala centre on 25th November, 2024.

SDTP – Valediction

Valedictory function of SDTP on “MO-PP & MO-IM” sponsored by M/s. Petronet LNG Ltd., at Dehradun centre on 14th November, 2024.



Valedictory function of SDTP on “MO-IMP” sponsored by M/s. PMKVY 4.0, New Delhi at Bhopal centre on 22nd November, 2024.

Shri Manish Pandey – Sr. Delivery Manager (SDM), M/s. Infosys Foundation (AKANKSHA), Bhubaneswar attended the valedictory function of SDTP on “MO-PP” sponsored by M/s. Infosys Foundation, Bhubaneswar at Bhubaneswar CSTS centre on 29th November, 2024.



CIPET centres undertake various Technology Support Services. A glimpse into some of the activities.....



Product Name: Fish tank pump upper cover
Centre: Baddi



Product Name: 75 MM & 55 MM Cup type End Fittings
Centre: Aurangabad



Product Name: Head Light cover
Centre: Amritsar



Product Name: Engine Trolley Assembly Component
Centre: Bhubaneswar IPT



Product Name: 21 Cavity Die Set for Clay Kulhad
Centre: Bhopal



Product Name: Tensile Specimen Cutting Die Punch (TYPE 1 & 2)
Centre: Bhopal

Product Name: End Fittings for Hydrostatic Testing of O-PVC Pipes
Centre: Bhopal



Product Name: 500 ml Drinking Water Bottle
Centre: Bhubaneswar CSTS



English alphabet ONE made out of 10mm thick ply board by using CO2 laser cutting technology at Korba centre.

- CIPET-Jaipur has included “Chemical- Industrial and Fine Chemicals” in their scope of NABL Accreditation.
- CIPET Aurangabad has included the scope of IS 9873 (P-1):2019 in the existing recognized scope of BIS.
- Development of lumbers using mixed recycled plastic waste to fabricate the Plastic benches by the incubate M/s. Carbon & Whale Sustainable Innovations Pvt. Ltd, Kochi. The Plastic benches are supplied to the various Malls, Metro stations.

Recycled Plastic Benches Placed at Centre Square Malls, Kochi.



Research Articles

1. Stephen Jose, Selvi Krishnan, Bhuvana K P*, R. Joseph Bensingh; “Inducing Multicolour emission in MEH-PPV/TiO₂ nanocomposites”; *Optical Materials*, Volume 157, Part 2, November 2024, 116321, Elsevier.
<https://doi.org/10.1016/j.optmat.2024.116321>
2. Tanusree Bera*, Sumi Vincent, Smita Mohanty; “Mechanical Properties of Polylactic Acid/Chitosan Composites by Fused Deposition Modeling” ; *Journal of Materials Engineering and Performance*, Published : 27 November, 2024, Springer Nature.
<https://doi.org/10.1007/s11665-024-10506-6>
3. Jnyana Ranjan Mishra*, Smita Mohanty, Rosalin Rath, Sushanta K. Samal, Sanjay K. Nayak; “Tailoring the PVDF membrane surface using a new and efficient ternary nanocomposite: Ag@TiO₂@MWCNT for water purification application”; *Colloids and Surfaces A: Physicochemical and Engineering Aspects*; Volume 707, 20 February 2025, 135850, Available online 30 November 2024, Elsevier.
<https://doi.org/10.1016/j.colsurfa.2024.135850>
4. Naman Rajoriya, Sattyam Upadhyay, Parameswar Pradhan, Pratap Chandra Padhi, Shyama Prasad Mohanty; “Effect of beeswax on the physico-mechanical properties of poly (butylene adipate terephthalate)/poly lactic acid blend films”; *International Journal of Materials Research*, Volume 115, Issue 11-12, PP 954-959, Published on November 27, 2024, De Gruyter .
<https://doi.org/10.1515/ijmr-2024-0037>

Book Chapter

1. Aswini Kumar Mohapatra, Swarnalata Sahoo, Mayureshwar Sunil Konarde, Manasha Ranjan Rath, Priti Pallavi Pattanaik; Chapter-08, Vol 1: Mechanical biosensors, *Fundamentals of Biosensors in Healthcare*, 2025, Pages 191-210, ISBN: 9780443216596, Published : 29 November 2024.
<https://doi.org/10.1016/B978-0-443-21658-9.00026-7>
2. Jyoti Prakash Das, Sang Jae Kim, Ananthakumar Ramadoss*; Chapter-07, Energy Storage Breakthroughs, *Sustainable Supercapacitors: Next-Generation of Green Energy Storage Devices*, First published: 29 October 2024, Online ISBN:9781394237920, Wiley.
<https://doi.org/10.1002/9781394237920.ch7>
3. Prasanna Sekar, Balasubramaniam Saravanakumar*, Ananthakumar Ramadoss; Chapter-03, Electrolytes and Additives for Li-ion Batteries, *Electrolytes for Energy Storage Applications: Fundamentals and Advances*, Pages 24, CRC Press, ISBN 9781003441182, Taylor & Francis.
<https://doi.org/10.1201/9781003441182>

Book

1. Electrolytes for Energy Storage Applications: Fundamentals and Advances; Ramesh K. Guduru, Saravanakumar Balasubramaniam, Venkateswarlu Manne, Ananthakumar Ramadoss, Rambabu Bobba, 1st Edition, CRC Press, Pages: 368, <http://www.routledge.com/9781032452630>, ISBN: 9781003441182, Published : 29 November 2024, Taylor & Francis.
<https://doi.org/10.1201/9781003441182>

2. Supriya Senapati, Apsana Pradhan, Swarnalata Sahoo, Aswini Kumar Mohapatra; Preparation of ABS/Mica Composites by Melt Mixing Method: A Critical Study of Mechanical and Thermal Properties (Conference paper); Advancements in Polymer Technology, (PTC 2023), pp 57–71, Springer Proceedings in Materials, Vol 57, Online ISBN - 978-981-97-6333-7, Published: 06 November 2024, Springer, Singapore.

https://doi.org/10.1007/978-981-97-6333-7_4

New Patent Granted

Sl. No.	Title of Invention	Patent No.	Patentee	Date of Grant
1	Mouldable Polymer Composites with Thermal Conductivity and EMI Shielding	552284	CIPET	14-10-2024

The details of the Patents granted to and filed by CIPET are available at https://www.cipet.gov.in/research/list_of_patents_granted.php and https://www.cipet.gov.in/research/list_of_patents_filed.php respectively.

MoU Signed by CIPET Head Office

The details of the Memorandum of Understanding signed by CIPET are available at <https://www.cipet.gov.in/aboutus/mou.php>

The details of the On-going Sponsored Research Projects:

Sl. No.	Name of the Project	Sponsoring Agency	CIPET Centre
1	Design of Cost-effective Floating System for Installation of Solar PV Panels in Water Bodies	HPCL-Mittal Energy Limited	APDDRL
2	Development of extrusion blow-moulded bottle using bio-based composite	Namrata Hempco Limited	APDDRL
3	Natural Fiber Reinforced Polymer Composites for Automotive Application	M/s. Mercedes Benz Research & Development India Pvt. Ltd.	APDDRL
4	Development of Sustainable Packaging	M/s Hindalco Industries Limited	APDDRL
5	Technology for Efficient Power Generation through Floating Solar Photovoltaics at High Latitude Locations	DST-SERD New Delhi	APDDRL
6	Technology for Aberration free Polymer Bi-aspheric lens for Indirect Ophthalmology	DST-SERB New Delhi	APDDRL
7	Development of injection molded rigid items from seaweed & its characterization.	Sea6 Energy Pvt Ltd	APDDRL
8	Pathway to commercialization of seaweed based coatings on paper and paperboard.	Sea6 Energy Pvt Ltd	APDDRL
9	Development of High Energy Supercapacitors by Dry Coating Process for Smart Toys	DST	ARSTPS

The details of the On-going Sponsored Research Projects:

Sl. No.	Name of the Project	Sponsoring Agency	CIPET Centre
10	DST-Storage MAP: Development of Solid-state Batteries via 3D Printing Technology	DST-ICMAP	ARSTPS
11	Tuning of In-Plane 3D Porous Efficient Electrodes for Microsupercapacitors	DST-DAAD	ARSTPS
12	Development of High-Performance Flexible Thin Film Supercapacitors Based on Transition Metal Nitrides	UGC-DAE-CSR	ARSTPS
13	Development of Corrosion Resistant and Tribological function Based Smart Hexagonal Boron Nitrate composite (HBNC) Coatings.	CSIR-SRA	ARSTPS
14	PLA Microplastics	M/s. Balarampur Chini Mills Ltd	LARPM
15	Analysis of Chemicals in Paper-Straws	M/s. Balarampur Chini Mills Ltd	LARPM
16	Chemicals in Bagasse based Trays	M/s. Balarampur Chini Mills Ltd	LARPM
17	Analysis of Chemicals in Wood based Cutlery	M/s. Balarampur Chini Mills Ltd	LARPM
18	Scalable Micro Porous Polymer Film as a Separator for Secondary Lithium Battery Applications	DST, Govt. of India	LARPM



Between Chennai centre and M/s. Bharath Institute of Higher Education and Research, Chennai for the benefit of faculty & student fraternity in terms of training, placement, consultancy, R & D and other academic activities on 4th November, 2024.

Between Chandrapur centre and M/s. Power Grid Corporation of India Limited, Nagpur for the Skill Development Training Programme of 200 nos. of unprivileged youths of Maharashtra on 25th November, 2024.



MoU was signed Between Hajipur centre and M/s. NTPC, Kanti, Muzaffarpur for conducting residential Skill Development Training programme for 40 candidates on 29th November, 2024.

Industry Interaction



Organized at Aurangabad centre on 22nd November, 2024.



Organized at Chennai centre on 22nd November, 2024.



Organized at Chandrapur centre on 28th November, 2024.

Conference / Workshop / Seminar / FDP / Meetings



Ms. Simna M - Project Associate – I, SARP: LARPM, Bhubaneswar participated and Best Poser Award in National seminar on “CUTMSE 2024” at IMMT, Bhubaneswar on 5th November, 2024.

Dr. T. Siva - CSIR-SRA, SARP:ARSTPS, Chennai attended the Webinar on ‘Efficiency Increase in Tensile Testing of Metals to ISO 6892-1 and ASTM E8/E8M’ conducted by ZwickRoell on 6th November, 2024.

Dr. T. Siva - CSIR-SRA, SARP:ARSTPS, Chennai attended the Webinar on ‘Mechanical Testing of Composites-A Comprehensive overview of essential tests’ conducted by ZwickRoell Training on 7th November, 2024.

Two Day Faculty Development Program on “Testing and Inspection of Polyethylene Films & Sheets as per IS 2508 : 2016 standards” was organized for Shri G. Vasanthamagarajothi – Sr. Tech. Asst., Chennai centre from 7th to 8th November, 2024 at Plastics Testing Centre, Chennai centre .



Dr. R. Ananthakumar - Scientist, SARP:ARSTPS, Chennai attended the Second Review Meeting (Physical) of ongoing “DST-Integrated Clean Energy Material Acceleration Platform on Storage” organized by DST, New Delhi at Dr. Moopen's Medical College, Wayanad, Kerala on 8th November, 2024.



Dr. Manoranjan Biswal and Dr. Wasim Feroze G S – SARP:APDDRL, Bengaluru were felicitated at the building inauguration function of Karnataka State Polymers Association on 10th November, 2024.

Shri Sagolsem Itomba – Technical Officer and Shri Debajit Kalita – Asst. Technical Officer, Guwahati centre participated in “Quality Week Celebration 2024” & given a lecture on “Advanced materials and products currently shaping the industry” organized by ITD Cementation India Limited” leading a Project: Development of Brahmaputra Riverfront, Guwahati, Assam on 12th November, 2024.



One day workshop on “Basics of Plastics Material Testing” with support from M/s. Mercedes Benz Research & Development India Pvt. Ltd. Was organized by SARP: APDDRL, Bengaluru on 12th November, 2024. Around 26 participants from various leading industries / Govt. organizations attended the workshop.

Dr. R. Ananthakumar - Scientist, SARP:ARSTPS, Chennai participated in the Ph.D. – Viva-voce Examination as Examiner for Mr. Roshan Chandrapal R at Dept. of Physics, SRMIST, Chennai on 13th November, 2024.

Indian delegation lead by Prof. (Dr.) Shishir Sinha – Director General, CIPET participated in the ISO/TC 61 Plastics, its subcommittees and working groups held at West Conshohocken, USA by BIS from 18th to 22nd November, 2024.



Two days workshop on “Career opportunities on Polymers & Plastics” for the Chemistry students of Raja Bahadur Venkata Rama Reddy Women’s College, Hyderabad was organized at Hyderabad from 20th to 21st November, 2024.

Dr. T. Siva - CSIR-SRA, SARP:ARSTPS, Chennai attended the CORCON-2024, International Conference & Expo on Corrosion hosted by The Association for Materials Protection & Performance (AMPP) at Chennai Trader Centre, Chennai from 20th to 23rd November, 2024.

Dr. Smita Mohanty - Principal Director & Head / Sr. Principal Scientist, SARP: LARPM, Bhubaneswar gave a presentation at the Project Sanctioning Committee (PSC) constituted under the Scheme for setting up of Centres of Excellence (CoEs) in the chamber of Secretary (C&PC), Shastri Bhawan, New Delhi on 21st November, 2024.



Kochi centre organized webinar on “Financial Awareness Program” for Staff members at Seminar Hall on 21st November, 2024.



Dr. Smita Mohanty - Principal Director & Head (Sr. Principal Scientist), Dr. Akshaya Kumar Palai - Jr. Scientist, Dr. B. Saravanakumar - Jr. Scientist, Dr. Debashish Nayak - Research Associate, Dr. Debiprasad Sahoo - Research Associate, Shri Tusharkanta Nayak - Project Associate – I, Shri Bibhudutta Dash - Project Associate – I, Shri Anupam Gupta - Project Associate – I, of SARP: LARPM, Bhubaneswar participated in National seminar on “Chemcon Innovation Summit 2024” organized by Indian Chamber of Commerce at New Delhi from 21st to 22nd November, 2024.



Shri Prem Prakash Nagda – Asst. Technical Officer and Shri Masoom Haider – Asst. Technical Officer, Ranchi centre Participated in two days National conference on “Cutting Edge Technologies in Computational Methods, Science, Engineering and Technology” at RTCIT College of Eng., Ranchi, Jharkhand from 22nd to 23rd November, 2024.



Shri D Aruldass – Official from Mysuru centre participated in “3-D Printing & Design” program at Chandrapur centre from 25th to 30th November, 2024.

Dr. Diwesh Babruwan Meshram - Technical Officer, Korba centre attended AICTE Training And Learning (ATAL) Academy Faculty Development Program on 3D Printing & Design from 25th to 30th November, 2024.

Shri Vijay Singh V - Project Associate, SARP:ARSTPS, Chennai attended the Webinar on 'Electrochemical Impedance Spectroscopy: A Powerful Technique for the Development of Batteries' hosted by Metrohm Autolab on 26th November, 2024.

One day workshop on "Career opportunities on Polymers & Plastics" for the M.Sc. Organic Chemistry students of Loyola Academy Degree & PG College, Alwal, Hyderabad was organized at Hyderabad centre on 26th November, 2024.



Shri Vijay Singh V - Project Associate, SARP:ARSTPS, Chennai attended the Webinar on 'Innovative Particle Analysis Solutions for Academic Research' hosted by Malvern Panalytical on 28th November, 2024.

Ms. Roshni Pattanayak - Project Associate – I, SARP: LARPM, Bhubaneswar participated in National seminar on "AMSSA 2024" at Utkal University, Vanivihar, Bhubaneswar from 28th to 29th November, 2024.



One day Workshop on "Role of Polymers for Sustainable Agriculture" was conducted at SARP:APDDRL, Bengaluru on 29th November, 2024.

Dr. K.P. Bhuvana – Manager, Kochi centre participated as an expert panel member in "Bioplastex-Connect south 2024" at IISc Bengaluru on 30th November, 2024.

Two days Training Program on “Chemicals and Petrochemicals Industrial safety”

Department of Chemicals and Petrochemicals, Govt. of India, has taken the initiative to impart training on “Safe handling of hazardous chemicals at work place and reducing risk associated with hazardous chemicals” to workforce of Major Accident Hazard (MAH) Units across the country. The first training program has been organized at CIPET:IPT-Ahmedabad from 28th to 29th November, 2024.



Prof. (Dr.) Shishir Sinha, Director General, CIPET, Prof. (Dr.) Jay P. Gupta, Rtd. Professor, IIT Kanpur, Dr. Yogendra K. Saxena, EHS, CSR, Bio-Diversity and Sustainability Advisor, Shri. Yogesh Parikh, Chairman – Chemical Taskforce, GCCI graced the inaugural session.

Prof. (Dr.) Shishir Sinha – Director General, CIPET delivered the expert lecture on “Safety and Accident Loss Statistics.”



A total of 13 specialized lectures (including 2 online lectures) on Chemicals and Petrochemicals industrial safety were delivered by 11 eminent experts from industries as well as academia over the two days.



A mock drill was also organized on 28.11.2024 at M/s. The Green Environment Services Co-op. Soc. Ltd., GIDC, Vatva, Ahmedabad for the participants to demonstrate emergency preparedness, on-site & off-site planning and implementation.



Shri Arunav Banerjee – Technical Officer, Agartala centre delivered a special session on 'Waste to Wealth Technology: Turning Plastic Waste into Wealth' during the Short-Term Training Program on 'Innovative Technologies for Village Development,' which was organized by the National Institute of Technical Teachers Training & Research, Chandigarh, at TTAADC Polytechnic, Khumulwng on 29th November, 2024.



ATAL FDP Program on "3-D Printing & Design" was conducted at Chandrapur centre from 25th to 30th November, 2024. More than 35 nos. of faculties attended the programme. During the ATAL FDP Program, expert lectures were delivered by Shri Avneet Kumar Joshi - Director & Head, Chandrapur, Dr. Chandra Sekhar Tiwari - Assistant Professor, IIT Kharagpur, Dr. Sheo Prasad Mishra - Associate Professor, Amarkantak University, Dr. Sanjay Rajurkar - Professor, Government Engineering College, Nagpur, Dr. G K Awari - HOD, Automobile Engineering, Government Polytechnic, Nagpur, Dr. M K Pradhan - Associate Professor, NIT Raipur, Dr. T V K Gupta - Associate Professor, VNIT Nagpur, Dr. Premanand Khandale - U- Turn Hospital, Chandrapur.

CIPET Officials participated in the meeting organized by the National Scheduled Castes Finance and Development Corporation (NSFDC) & National Backward Classes Finance and Development Corporation (NBCFDC) under the Ministry of Social Justice and Empowerment (MoSJE) on 29th November, 2024 through virtual mode.

Events



The Hon'ble Chairman and Members of Committee on Public Undertakings of Tripura Legislative Assembly visited Agartala centre on 6th November, 2024.



BIS Surveillance Audit & Development of Toy Testing Lab as per 9873 Part 1 was conducted at Lucknow centre from 7th to 8th November, 2024.

Participation in World Standards Day 2024 on 11th November, 2024 for maintaining the quality of the plastic product by BIS, Bhubaneswar. On this occasion CIPET:IPT-Bhubaneswar has been felicitated by BIS.





BIS through its Jammu Kashmir Branch Office (JKBO) organized workshop for standards clubs activity program in Amritsar, Punjab and visit to CIPET:CSTS - Amritsar on 11th November, 2024.

Dr. K. A. Rajesh - Director & Head, Kochi centre participated in 38th meeting of Plastics Packaging Technical Committee (PCD 21) at BIS Head Quarters, New Delhi on 11th November, 2024.



Shri Aijiz Hussain - Chief Engineer from Rural Drinking Water & Sanitation Department, GoK visited Mysuru centre on 13th November, 2024 and gave his feedback about CIPET facilities.

Shri Amit Chawla – Officer (F&A) & Shri Baldev Krishan – Asst. Technical Officer, Amritsar centre met DGM - M/s. PowerGrid Corporation (Govt. of India), Amritsar on 13th November, 2024 regarding sponsoring Skill Development Programs under their CSR initiative & significant development.



Ms. Nivedita Shukla Verma, I.A.S., Secretary, Dept. of Chemicals & Petrochemicals, Ministry of Chemicals & Fertilizers and Shri Deepak Mishra - Joint Secretary (PC), Dept. of Chemicals & Petrochemicals, Ministry of Chemicals & Fertilizers, Govt. of India visited Guwahati centre on 16th November, 2024.



NABL renewal audit was conducted by NABL Assessors for Plastics Testing Center, CIPET Raipur from 16th to 17th November, 2024. The team recommended for renewal of accreditation.

Director General, CIPET, Prof. (Dr.) Shishir Sinha was Conferred with Doctor of Literature (D.Litt.) Honorus Causa for his outstanding contribution in the field of Science & Technology and also participated as Chief Guest in 9th Convocation program organized by Khwaja Moinuddin Chishti Language University, Lucknow on 18th November, 2024. Smt. Anandi Ben Patel - Hon'ble Governor of UP, Shri Yogendra Upadhyay – Education Minister, UP and Smt. Rajni Tiwari – State Education Minister and Prof. N B. Singh – Vice Chancellor, Khwaja Moinuddin Chishti Language University & other dignitaries of State Govt. were present on the occasion.





Dr. Sanjeev Gupta - Ex Chief Scientist CLRI, Chennai, reviewed the NEP (National Education Policy) activities at Murthal centre on 18th November, 2024.

Dr. Alok Kumar Sahu – Principal Director & Head, Raipur was invited as Chief Guest for the training program “Waste Optimization” organized by Kalinga University, Naya Raipur and delivered the Keynote address on ‘Plastics Waste Management’ on 18th November, 2024.



Engineers from the Rural Drinking Water and Sanitation Department, GoK visited Mysuru centre on 20th November, 2024.

Dr. Kamal Tyagi – Principal Scientist, ITC Limited, Bengaluru held discussion regarding a collaborative Research and Development project at SARP:APDDRL, Bengaluru on 20th November, 2024.





Dr. Harekrishna Deka – Centre In-charge and Shri Debajit Kalita – Asst. Tech. Officer along with the other officials from Guwahati centre met Shri Ashok Singhal – Hon'ble Minister, Urban & Housing Affairs and Irrigation Dept., Govt. of Assam for discussion regarding promoting Skill Development Training Programme and utilization of Technical Support services of CIPET: Guwahati on 20th November, 2024.

Dr. Bikas Rajan Gogoi – State Programme Officer (Incharge), NCVBDC, Directorate General of Health Services along with other officials visited Guwahati centre on 22nd November, 2024.



Shri Deba Kumar Mishra, ACS – DC, Shri Pranab Dutta Goswami, ACS – ADC and Shri Tapan Kumar Kalita - Inspector of Schools of Kamrup District visited Guwahati centre on 22nd November, 2024 in connection with “Two Day Exposure Visit & Orientation Programme on CIPET facilities & a Training programme on Vision Testing of School students” organized at Guwahati centre from 22nd to 23rd November, 2024 with the support of Elementary Education Department of Kamrup District.



Science Teachers from different schools of Kamrup District participated in “Two Day Exposure Visit & Orientation Programme on CIPET facilities & A Training programme on Vision Testing of School students” in support of Elementary Education Department of Kamrup District at Guwahati centre from 22nd to 23rd November, 2024.

144th Meeting of Governing Council and 55th Annual General Meeting of CIPET was organized under the Chairmanship of Ms. Nivedita Shukla Verma, I.A.S. - Secretary to the Govt. of India, Department of Chemicals & Petrochemicals, Ministry of Chemicals & Fertilizers and President – CIPET Governing Council through hybrid mode at New Delhi on 25th November, 2024.

Shri Parminder Preet Singh – Joint Director & Head & Shri Amit Chawla – Officer (F&A), Amritsar centre attended the meeting of Regional Advisory Committee at NABARD Regional Office, Punjab Chandigarh on 26th November, 2024. In issues and challenges of MSME in Punjab were discussed.



30 number of faculty from Academic institutions across Tripura visited Agartala centre on 28th November, 2024 as a part of their field visit during their short-term training programme on "Innovative Technologies for Village Development" organized by National Institute of Technical Teachers Training & Research, Chandigarh at TTAADC Polytechnic Khumulwng.



Shri Satyendra Jain - Deputy General Manager along with 33 number of MPJNM trainee Officers visited Bhopal centre on 28th November, 2024.

Ms. Anupama Anand, I.A.S. - Commissioner, Nagar Nigam, Birgaon visited Raipur centre on 29th November, 2024.



Official Language Activities



Shri Rahul Yadav, Senani (ITBP), Chairman, City Official Language Implementation Committee, Sonipat-2 and Shri Narendra Mehra, Deputy Director (Official Language), Official Language Department, Ministry of Home Affairs, Govt. of India and City Official Language Implementation Committee, Sonipat-2 members visited Murthal centre for “Town Official Language Implementation Committee Meeting” on 13th November, 2024.

Shri Ajay Kumar Choudhary - Assistant Director (Implementation), Ministry of Home Affairs, Govt. of India visited Lucknow centre for the Inspection of Hindi Rajbhasha implementation on 27th November, 2024.



Awareness Exposure



Guwahati centre conducted Awareness on Skill Development Program at Khatarbari High School, Nagrijuli, Tamulpur District of Assam in presence of Headmaster, all Teachers and Students on 5th November, 2024.

Vigilance Awareness Week - 2024

In commemoration with the observance of Vigilance Awareness Week – 2024 from 28th October, 2024 to 3rd November, 2024, various activities like administration of Integrity Pledge, Awareness program and Competition were held at CIPET centres.



Vigilance Awareness Week – 2024



In commemoration with the “Constitution Day”, the Preamble was read at CIPET Head Office and all the centres on on 26th November, 2024.



Constitution Day





Educational Visit

Students from educational institutions visit the nearby CIPET centres to have an awareness on the activities of CIPET. During these Educational visits, Awareness program/workshop are also organized at CIPET centres. A glimpse into the educational visits...





Participation in Exhibitions



Kochi centre participated in Higher Education Expo DISHA 2024, organized by Govt. of Kerala at various districts of Kerala on 29th and 30th November, 2024.



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- ◆ Smart Petrochemical Production.
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- ◆ Smart Materials.
- ◆ Sustainable & Green Chemistry.
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- ◆ Recycling Technology and Circular Economy.
- ◆ Emerging Technology for Waste Management.
- ◆ Bio-based and Bio-degradable Polymers.
- ◆ Energy Harvesting Materials.
- ◆ 3D Printing and Additive Manufacturing.
- ◆ Electroactive Polymers.
- ◆ Artificial Intelligence & Machine Learning.
- ◆ Biomedical polymers.

REGISTRATION FEES

Students (M.Tech/M.Phil/M.Sc./B.Tech/Diploma)	: Rs. 2000/-
Research Scholars	: Rs. 3000/-
Faculties and Delegates from Academic Institutions	: Rs. 5000/-
Delegates from Industries/R&D Organization	: Rs. 6000/-
Foreign Delegates	: USD250

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Bank Name & Address : Canara Bank, Sarojini
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GSTIN : 09AAAAC0606R1ZN

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Courses Offered at CIPET

A glimpse into the various Postgraduate Engineering/Science, Undergraduate, Post Graduate Diploma, Post Diploma and Diploma academic Programmes offered at CIPET Campuses:

S. NO.	ACADEMIC PROGRAM	CIPET CENTRE	DURATION
1	M.E./M.Tech. in Plastics Engineering / Technology	Ahmedabad, Bhubaneswar, Chennai, Lucknow	2 Years
2	M.E./M.Tech. in Polymer Nanotechnology	Bhubaneswar	2 Years
3	M.Sc. (Tech.) in Material Science Engineering (Integrated program)	Bhubaneswar	5 Years
4	M.E. in CAD/CAM & M.Sc. in Applied Polymer Science	Chennai	2 Years
5	M.Sc.in Bio Polymer Science	Kochi**	2 Years
6	M.Sc.in Polymer Science	Ahmedabad, Bhubaneswar, Kochi**	2 Years
7	B.E. / B.Tech. in Plastics Engineering / Technology	*Ahmedabad, *Bhubaneswar, Chennai, Jaipur, *Lucknow, Murthal, Raipur	4 Years
8	B.E. / B.Tech. in Manufacturing Engineering / Technology	Ahmedabad, *Bhubaneswar, Chennai, *Lucknow	4 Years
9	B Tech in Petrochemicals / Mechanical Engineering	Jaipur, Bihta	4 Years

S. NO.	ACADEMIC PROGRAM	CIPET CENTRE	DURATION
10	B.Tech. in Chemical Engineering (Plastic and Polymer)	Bihta	4 Years
11	Post Graduate Diploma In Plastics Processing & Testing (PGD-PPT)	Ahmedabad, Amritsar, Aurangabad, Baddi, Balasore, Bhopal, Chennai, Guwahati, Haldia, Hajipur, Hyderabad, Lucknow, Murthal, Mysore, Raipur, Vijayawada.	2 Years
12	Post Diploma In Plastics Mould Design With CAD/CAM (PD-PMD With CAD/CAM)	Aurangabad, Bhopal, Chennai, Hyderabad, Madurai, Murthal.	1.5 Years
13	Diploma In Plastics Mould Technology (DPMT)	Agartala, Ahmedabad, Amritsar, Aurangabad, Baddi, Balasore, *Bhopal, Bhubaneswar, Bhagalpur, Chandrapur, Chennai, Dehradun, Guwahati, Gwalior, Haldia, *Hajipur, Hyderabad, Imphal, *Jaipur, *Kochi, Korba, Lucknow, Madurai, Murthal, Mysore, Raipur, Ranchi, Varanasi, Vijayawada.	3 Years
14	Diploma In Plastics Technology (DPT)	Agartala, Ahmedabad, Amritsar, Aurangabad, Baddi, *Balasore, *Bhopal, Bhagalpur, Chandrapur, Chennai, Dehradun, Guwahati, Gwalior, Haldia, *Hajipur, Hyderabad, Imphal, *Jaipur, *Kochi, Korba, Lucknow, Madurai, Murthal, Mysore, Raipur, Ranchi, Varanasi, Vijayawada.	3 Years

*NBA ACCREDITED

** NAAC ACCREDITED

The National Policy on Skill Development formulated by the Government of India aims to create a skilled nation with the youths empowered with improved skills, knowledge and internationally recognized qualifications to gain access to National / International employment and ensure India's competitiveness in the dynamic Global Labour market.

CIPET's mission is in line with the National Policy on Petrochemicals Sector in Skill Development - to increase trained manpower for catering to the demand of the industry and thus in turn increasing employability while contributing towards the Nation's growth. In order to cater to the needs of the ever-growing Plastics and allied industries nationally, CIPET has evolved a range of training programs. This has made us one of the Nationally recognized institute to provide workforce training which combines Skill Development Training Programs (SDTP) and Skill Upgradation Programs (SUP).

Some of the prominent sponsoring agencies:

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- NSFDC, New Delhi
- MSME – NSICL, New Delhi under NSSH Scheme
- MSDE, New Delhi – NSDC under PMKVY Scheme

- GAIL (India) Limited, New Delhi
- Power Finance Corporation Limited (PFC), New Delhi
- SABIC India Private Limited, Gurugram
- Coal India Limited (CIL), Head Quarters, Kolkata through their subsidiaries
- Mazagon Dock Shipbuilders Limited (MDL), Mumbai

Some of the Skill Development Courses offered at CIPET:

- Plastics Product & Mould Designer
- Machine Operator & Programmer – CNC Lathe / CNC Milling
- Advanced Plastics Mould Manufacturer
- Machine Operator – Injection Moulding / Plastics Processing
- Machine Operator – Plastics Extrusion / Blow Moulding
- Testing & QC for Plastics Materials & Products – Technician / Supervisor
- Machine Operator – Plastics Recycling
- Additive Manufacturing / 3D Printing

For more details please visit <https://www.cipet.gov.in/academics/vocational-training-program-overview.php> or Email to cipethovtc@cipet.gov.in



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then success takes care of itself...**



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