

Report of

Industry Institute Interaction Cell

Vidyavardhini's College of Engineering and Technology, Vasai

In today's world, Engineering Institutions need to interact with the corresponding Industries for improving the quality of the Engineers by understanding their expectations. VCET has started Industry Institute Interaction Cell with this objective to have more Companies involved and our students will get benefit from the MOU's done with these companies. We facilitate students for interacting with the Company by organizing events and activities. We want to help students to improve their knowledge and skills and for getting them job in good Companies. This III Cell tries to provide internship, Industrial visit, Guest Lectures & workshops for the students under MOU signed with the industries.

Internship policy based on AICTE's guidelines

AICTE has initiated various activities for promoting industrial internship at the graduate level in technical institutes. The main aim of these initiatives is enhancement of the employability skills of the students passing out from Technical Institutions. AICTE has prepared a model curriculum with the help of prominent academicians of the country so that the country may produce competent employable graduates as per the needs of the industries. The model curriculum includes the internship for students of six months duration at different stages of the programme.

VCET has developed this Model Internship Guidelines for organizing Internship for engineering students, these guidelines based on AICTE's guidelines of internship to strengthen outcome-based learning process.

Item	CAY 19-20	CAY 18-19	CAY 17-18	CAY 16-17
Mechanical	141	89	72	33
EXTC	89	57	34	Nil
Instrumentation	55	73	22	08
Computer	99	20	32	03
IT	94	16	41	2

Civil	22	19	18	06
-------	----	----	----	----

List of Industries for Internships in 2020-21

Mechanical Engineering

1. Aarti Drugs Ltd. Boisar
2. Saini Electricals And Engineering Works, Ambarnath -Thane
3. Indian Oil Corporation Ltd. Bandra, Mumbai
4. Prism Johnsons Ltd. Santacruz, Mumbai
5. MSRTC Mumbai Division Vidyavihar, Mumbai
6. Tema India Achhad Pvt. Ltd, JHN marg, Mumbai
7. Shirodkar Engineering Works, Jogeshwari, Mumbai
8. M.E.M. Equipment's Pvt. Ltd, Boisar
9. Central Railway Carriage Workshop, Matunga, Mumbai
10. Tsa-Process Equipments, Andheri, Mumbai
11. Nevatia Steels, Boisar
12. Dahanu Thermal Power Plant, Dahanu
13. Noble Sonics, Andheri, Mumbai
14. Pacific Tools Pvt. Ltd, Vasai
15. MYCO Industries (MIDC), Andheri (E)
16. Om Galaxy Precision Mold Pvt. Ltd, Vasai
17. Sahu Technologies
18. Thermo Lab Group, Vasai
19. Arc Weld Equipment Pvt. Ltd, Andheri, Mumbai
20. Maruti Suzuki Service Centre, Vasai West
21. Mk & Sons Engineering Pvt. Ltd. Kandivali- Mumbai

Electronics and Telecommunication Engineering

1. Sahu Technologies, Mumbai
2. Stelmec, Vasai East
3. Dahanu Thermal Power Plant, Dahanu
4. Sony Electronics, Mumbai
5. Logic Embedded Systems India Pvt Ltd
6. Oditronics Technologies Pvt. Ltd., Vasai East
7. Deepali United MFG.PVT, Vasai
8. Securizen Systems Pvt Ltd, Andheri ,Mumbai
9. Doordarshan Kendra, Worli, Mumbai
10. Access Technology, Mumbai
11. BSNL, Mumbai

Instrumentation Engineering

1. Sahau Technologies, Ghatkopar East

2. MHM's Outcome based Education
3. Precision Instruments Allieds, Vasai East
4. Vasundhara Dairy Milk Plant (Amul Milk), Boisar, MIDC
5. Dahanu Thermal Power Plant, Dahanu
6. Thermolab Group, Vasai East
7. Vinati Organics Ltd
8. Sumitomo Chemical India Ltd, MIDC, Tarapur
9. Camlin Fine Science Ltd, MIDC, Tarapur
10. Process Precision Instruments, Vasai East
11. Chintamani Engg Industries India Pvt Ltd, Vasai East
12. Eckovation Solution Pvt ltd, Mumbai
13. RCF, Alibaug, Raigad
14. Bowa Electronics India Pvt Ltd, Mumbai
15. Nice consultancy, Thane
16. Proca Engineering Solution LLP, Ghatkopar (E), Mumbai

Computer Engineering

1. Sahu Technologies, Mumbai
2. BNP Paribhas, Mumbai
3. Taxvisor Technologies, Andheri(E)
4. Fourvision Technologies Pvt Ltd, Virar(w)
5. KPMG, Mumbai

Information and Technology

1. Aakaar Education, Borivali.
2. BIT Brothers, Mumbai
3. MagTapp Technologies Pvt. Ltd. Goregaon West, Mumbai
4. Vervali Systems, Vasai west
5. Mudra Web Solutions, Jalgaon, Maharashtra
6. Innobryx, Bangalore
7. Internshala, Gurgaon
8. HEU Technologies Pvt. Ltd., Hyderabad
9. Upbringo, Aurangabad
10. AI Technology & Systems, Mumbai
11. MHM's Outcome based Education, Vasai
12. Aumetric Solutions LLP
13. Alcom Technologies
14. FOX Domotics
15. Intelligence Node, Mumbai
16. Sahu technologies, Mumbai
17. Reliance Jio
18. JPMorgan Chase & Co.

Civil Engineering

1. Walplast Foundation of Trust
2. C.H.Patil and Sons
3. Krupa Mehta Consulting Engineers
4. Imperial Palms
5. Rajlaxmi Developers
6. Aditya Enterprises
7. Hiranandani Group of Companies
8. Trivia Softwares
9. HG Associates, Vasai
10. Maxus Prime Realty

Industry interaction through expert lectures and visits : Due to pandemic situation Experts are invited from various MNCs/industries in virtual mode to give lectures on recent domain-based advancements, cutting edge technologies & mechanisms, research topics, latest software etc. Industrial visits are also organized in virtual mode to make students become more aware of industry practices.

Sr. No	Seminar/Workshop	Date	Company Name/ Resource Person	No. of students Attended
Mechanical Engineering				
1.	Online seminar on Quality Management System	2 nd January 2021	Mr. Ashish Choudhari, Plant head and Works Manager for Nevatia Steel and Alloys Pvt. Ltd., Boisar, Tarapur.	54
Instrumentation Engineering				
1	Virtual Industrial Tour	28 th January 2021	Malik Metal Works., Palghar	89

2	Virtual Industrial Tour	5th February 2021	1. Mr. Sanjay Saha, Managing Director 2. Mr. Nilesh Chauhan Manager Peregrine Technologies Pvt. Ltd.	110
Civil Engineering				
1	Industrial visit	3 rd March 2021	Sachin Parmar, Cofounder, Creative Valuers and Engineers, Vashi, Navi Mumbai	2 (Faculty)
2	Industrial visit	3 rd March 2021	Ratnakar Chaudhari, Director, R.B Group of Companies, Goregoan (West), Mumbai.	2 (Faculty)
3	Expert Lecture on Lab Upgradation and NABL Accreditation.	25 th March 2021	Mr. Naveen Hanchinal, Technical Manager Printania Offsets Pvt. Ltd.,	
4	Webinar on Building Engineers of tomorrow”	24 th April 2021	Ms. Ruchita Nar, Senior Technical Analyst, TIKITAR DANOSA INDIA PVT.LTD)	63
Computer Engineering				
1	SDP on Big Data Analytics	30 th April 2021	Mr. Dibyendu Ghosh, Data Analytics, TCS	80

Memorandum of Understanding between VCET and Industries

Sr. No.	Industry
Mechanical Engineering	

1	Vardhaman Industries
2	Sunil Enterprises
3	Soham Industries
4	Achievo Engineering Components Pvt. Ltd.
5	Aanural Fastners Pvt. Ltd.
6	Mechatol Engineering Solution
7	Genesis Engineering Solution
8	Dalmia Taparia and Company
9	Sigma Multitech Pvt. Ltd.
10	Pacific tools Pvt. Ltd.
11	SubAero Precision Machining
12	Pranay Engineering works
13	M/s. Arihant Industrial Corporation Ltd, Vasai
14	M/s. Synergy Water Slides pvt. Ltd, Vasai
15	Pyramid Automation
16	Malik Metalworks Pvt Ltd
17	Access Telematics System
18	J.K.Engineers
19	S.B.Enterprises, Mumbai
20	Ajanta Agencies, Palghar
21	Thermolab Scientific equipment, Vasai

Electronics and Telecommunication Engineering

1	Securizen Systems Pvt. Ltd.
2	Remi Elektrotechnik Ltd.
3	Regional Telecom Training Center, Bharat Sanchar Nigam Limited (BSNL)
4	Logiq Embedded Systems Pvt Ltd,Vasai
5	NN Technology Solutions
6	Oditronics Technology Pvt Ltd,Vasai
7	Thoughtlytics Internet Pvt. Ltd.
8	Texas Instruments Innovation Centre
9	Rexnord Electronics and Controls Ltd

Instrumentation Engineering

1	Pyramid Automation, Vasai
2	Malik Metal Works Pvt.Ltd., Mumbai
3	Advance Electronic Ind., Mumbai
4	Access Telematics Systems, Mumbai
5	Process Precision Instruments, Vasai
6	Allied Electricals, Vasai
7	M/S Alot Process Instruments Pvt. Ltd., Vapi
8	M/S. Repute Engineering Works, Vasai

Computer Engineering

1	Digital Dojo
2	Sahu Technologies
3	Techustaads pro Learning
4	Ms. Innovative Creators
5	CodeSphere Solutions
Information and Technology	
1	MSS Powertech Pvt Ltd
2	L & T, CTEA
3	OTET Infosystems
4	Navyuvak Entrepreneurs
5	Farmvary Consultancy LLP
6	Booklet Make India Read
7	Vervali Systems
8	TechUstaads
9	Digital Dojo Pvt. Ltd.
Civil Engineering	
1	Techustaads pro learning
2	Imperial Lifestyle PVT LTD
3	Awhad Consultants(ACE)
4	Navdeep Construction
5	Shanti Computers
6	The Fire Protection Company
7	Kasa Sanskar Management's

Sponsored projects in 2020-21

Sr. No.	Project Title	Sponsored Industry Name	Faculty Name
1	Soil compactor	Ashley Industries, Vasai	Dr. Harish Vankude and Ms. Apurva Pendbhaje
2	Design, manufacturing & Automation in drilling, tapping and deburring machine for heat sink manufacturing	L. N. Controls, Saki Naka, Mumbai	Mr. Dipak J. Chaudhari
3	Design development of welding electrode nozzle manufacturing automation	M/s. Arc Weld Equipments Andheri	Dr. Ashish J Chaudhari
4	Design and Manufacturing of pick and place robotic arm	AVIN Engineering tech, Vasai	Mr. Mukund Kavekar
5	Design, Development and Fabrication of Multi-purpose machine	Aanuraj Industries, Vasai East	Mr. Tushar Raut

6	Design development of multiple bending machine	Shreeji Fabricator, Vasai	Mr. Raahul Krishna
---	--	------------------------------	--------------------

Development Project in 2020-21

Project title- Design and manufacturing of lower limb Exoskeleton

Project Team-Mechanical Engineering Students 1. Kaushal Bhatia, 2. Suman Bishwas, 3. Parth Buha and 4. Mrinmayi Bahadkar

Project Guide- Prof. Madhumita Dutta

Project Aim- To create lower limb Exoskeleton which provides the motion of the knee joint which facilitates the walking of the patient while recovering from any injury.

Lower limb Exoskeleton design and manufacturing request is given by Dr. Brijesh Yadav, Consultant Joint replacement and Trauma surgeon and associated with many well-known hospitals.

Development Project in collaboration with JanYu Technologies Private Limited

Company is ready to offer development projects on robotics and automation to our students and faculty members. The preliminary training we can impart to them through the resources available in our Siemens Center of Excellence/Texas Innovation Lab/e-Yantra robotics lab to make them more suitable for the projects.

Tie up with Industrial association

1. membership with Tarapur Management Association under TMA.
2. Vasai Industries Association.

Things in process

1. Establishing students' chapter under Tarapur Management Association
2. Life membership of Vasai Industries association
3. Membership of Gowalis Industries Association
4. Membership of Umargoan Industries Association (UIA-Gujarat)
5. Industry Meet "Udyam Saman 2021"
6. Organizing Internships for students after IV semester.

New targets if things become normal

1. Complete the things in process on priority basis
2. Membership/Tie up of Sarigam Industries Association (SIA-Gujarat)
3. Membership/Tie up of Wada Industries Association
4. Membership/Tie up of Vapi Industries Association

5. Exploring Industrial area surrounded by Pune.

Prafulla Patil
IIC Coordinator