

Institution-Industry Cell

Ess.Doc.-27



AAA

COLLEGE OF ENGINEERING & TECHNOLOGY

(Accredited by NBA (CSE,EEE,ECE & MECH) and NAAC with 'A' Grade.

An ISO 21001: 2018 Certified Institution

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

Amathur, Sivakasi-626 005

Institution Industry Partnership Cell (IIPC)

At AAA College of Engineering and Technology, Sivakasi. we are committed to fostering a culture of innovation and creativity among our student community. One of the key missions of our institution is to inspire and equip our students to become successful entrepreneurs. In alignment with this mission, we have established the Institution-Industry Partnership Cell (IIPC).

Objectives of The IIPC:

1. Identify and understand industrial expectations.
2. Promote institutional preparation to meet industrial needs through sponsored R&D projects, seminars, workshops, and industrial training programs.
3. Contribute to the educational system by aligning academic curriculum with industry requirements.
4. Equip faculty with the latest industry practices.
5. Make students industry-ready by providing exposure to current industry practices and enhancing their skills to adapt to changing technologies.
6. Interact with elite industries to establish partnerships.

Functions of the Cell:

1. The IIC shall perform the following functions:
2. Bridge the gap between Industry-Institute through interactive programs.
3. Promote a partnership approach towards mobilizing industrial personnel.
4. Arrange industrial visits for students.
5. Organize seminars, symposiums, exhibitions, and workshops for faculties and students in cutting-edge technologies.
6. Facilitate industrial training for students and faculty members.
7. Identify opportunities for student project work in industries.
8. Encourage department-level tie-ups or MoUs with industries.
9. Promote consultancy activities and research and developmental activities with industry.
10. Enrich the teaching-learning process through identified industrial gaps.
11. Invite industry experts for guest lectures, seminars, brainstorming sessions, and expertise sharing.

The following Activities of IIPC are listed below:-

1. Internship, In-plant training, and Industrial Visits through our Institution-Industry Partnership Cell (IIPC)
2. Entrepreneurship Development Cell
3. Industry-Related Laboratories
4. Consultancy

1. Internship, In-plant training, and Industrial Visits through our Institution-Industry Partnership Cell (IIPC)

Our approach includes a structured internship program during the 8th semester, enabling students to apply theoretical knowledge in practical settings. In addition, we organize in-plant training sessions during semester breaks, providing hands-on experiences aligned with industry requirements. Furthermore, we arrange annual industrial visits, offering students valuable insights into operational processes. These initiatives are complemented by collaborative projects, industry networking events, and knowledge exchange forums throughout the academic year. By integrating these elements, we aim to provide students with a holistic educational experience, bridging the gap between academia and industry and preparing them for successful careers.

Sample Internship Certificate



Larsen & Toubro Limited,
Construction
R B. No. 979, Mount Poonamallee Road,
Manapakkam,
Chennai - 600 089, INDIA
Tel : +91-44-2252 6322 / 22 / 12
www.lntec.com

LTC-HQ/DCHR/2022-23/414

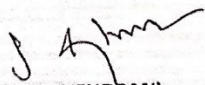
7th Apr 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Sujay M, student of Final Year B.E Civil from AAA College of Engineering and Technology, Sivakasi had undergone Internship In our Organization with our CSTI Department from 1st Mar 2023 to 07th Apr 2023.

His conduct and performance were observed to be satisfactory during the Internship period.

For LARSEN & TOUBRO LIMITED,


(S RAGHAVENDRAN)
DY. GENERAL MANAGER – HR
DIVISIONAL CORPORATE
L&T CONSTRUCTION

Registered Office: L&T House, N. M. Marg, Ballard Estate, Mumbai - 400 001, INDIA

License No. CN - L99999MH1946PLC004758

L&T Construction is a brand of Larsen & Toubro Limited



Scanned with OKEN Scanner

Sample In-plant Training Certificate



SIVA MOTORS

(A UNIT OF SIVA GROUPS, MADURAI)

4/13, TKSP Sivakami Nagar, Near PRC Depot,
Virudhunagar - 626 001. Ph : 04562 - 266688.
E-mail : sivamotorsvnr@gmail.com

Dealer : **ROYAL ENFIELD**

GSTIN : 33ADJFS3960M1ZM

Date: 12/01/2023

To

Whom so ever it may concern

Respected Sir,

With reference to the permission letter dated 2/01/2023 from your college, Azhagu K Reg. No: 953720114005 of Mechanical Department, AAA COLLEGE OF ENGINEERING AND TECHNOLOGY has done their in-plant training at our organization from **04-January-2023 to 11- January-2023**

He has successfully completed their training, during this period their conduct was good.

Thanking you

For Siva Motors



Sample of Industrial Visit Photo



Mechanical Industrial Visit to Anaamalais Toyota, Sivakasi



EEE Students Industrial Visit to Apollo Electrical Service



Final year Civil Engineering students visited CSIR – CECRI, Karaikudi

2. Entrepreneurship Development Cell

As an integral component of our Institution-Industry Partnership Cell (IIPC), the Entrepreneurship Development Cell (EDC) plays a pivotal role in nurturing entrepreneurial thinking among our students. Comprising dedicated members from various departments, including both faculty and student representatives, this dynamic cell takes the lead in orchestrating a diverse array of events, including hackathons, guest lectures, workshops, and more. The EDC functions as a catalyst in creating a vibrant ecosystem that not only cultivates innovative ideas but also imparts practical insights into entrepreneurship. By serving as a collaborative platform for knowledge exchange and skill development, the EDC empowers our students to proactively explore and seize entrepreneurial opportunities, fostering a culture of creativity and confidence within our academic community.

EDC Coordinators List: -

S.No	Name	Department
Convenor		
1.	Mr.M.Sivasankar	AP/Civil
Department Staff Coordinator		
1.	Mrs. Sabeena Burvin	AP / CSE
2.	Dr.B.Padmanaban	ASP / ECE
3.	Mrs.B.Sarojini	AP / EEE
4.	Mr.M.Karthikeyan	AP / MECH
5.	Mrs.S.Gajalakshimi	AP / S&H
Department Student Coordinator		
1.	Mr.T.Sriram	III / CIVIL
2.	Mr.A.Karthikeyan	III / CSE
3.	Ms.A.M.Janani	III / ECE
4.	Ms.B.Amala Devi	III / EEE
5.	Mr.R.Vikram	III / MECH
6.	Mr.A.Antony Raja	II / MECH
7.	Mr.A.Vishal	I / CSE – Cyber
8.	Mr.K.S.Harihara Priyan	I / AI & DS
9.	Mr.M.Ramana	I / IT

Event organized by the EDC Cell: -

ACTIVITIES OF ENTREPRENEURSHIP DEVELOPMENT CELL (EDC)				
S.No	Name of the activity	Date of the activity	Number of faculty participated	Number of students participated
2023-2024 (CAY)				
1.	Utilization of design thinking for Naan Mudhalvan Niral Thiruvizha	22-12-2023	23	45
2.	Understanding Latin America, Its relation with India: Business opportunities and possibilities.	04-12-2023	18	111
3.	Entrepreneurial opportunities in HVAC sector	25-11-2023	8	52
4.	Funding Opportunities for Early Stage Entrepreneur	01-11-2023	11	435
5.	Innovative entrepreneurial idea in building quantity and cost estimation	12-10-2023	3	43
6.	Panel discussion with enablers of innovation and the start-up ecosystem in the region”	21-08-2023	5	41
2022 – 2023 (CAYm1)				
7.	Entrepreneurship and Innovation as a career opportunity	14-11-2022	7	81
8.	Women Entrepreneurship Development Program	24-08-2022	12	52
9.	Accelerators Incubation Opportunities for Students & Faculties - Early Stage Entrepreneurs	18-08-2022	1	67
2021- 2022 (CAYm2)				
10.	Workshop on Entrepreneurship skill, Attitude and Behaviour Development	25-02-2022	11	77
11.	Entrepreneurship Opportunities And Innovation In Waste Paper Recycling	17-05-2022	16	118
12.	Entrepreneurship and Innovation as a career opportunity	15-11-2021	2	62
13.	Hindrance faced by entrepreneurs	24-08-2021	2	84
14.	Awareness on Entrepreneurship and Innovation	03-08-2021	5	73
15.	New strategies and funding opportunities for start-ups	08-06-2021	5	40
16.	How to convert Prototype into a start-up	05-06-2021	5	53
2020 – 2021 (CAYm3)				
17.	Interactive session / Mentoring session with “Successful Start-up founders”	12-04-2021	12	28
18.	Webinar on career option for engineers	23-01-2021	-	95
19.	Live workshop on Entrepreneurship and innovation as career opportunity	23-12-2020	2	50

Sample Image: -



Entrepreneurship Opportunities and Innovation in Waste Paper Recycling



Entrepreneurial opportunities in HVAC sector



Innovative entrepreneurial idea in building quantity and cost estimation

Hackathon organized in AAA College of Engineering and Technology:-

1. Annual Hackathon on 2023 NASA SPACE APPS on 7th and 8th October 2023.



சிவகாசி ஏ.ஏ.ஏ. பொறியியல் மற்றும் தொழில்நுட்பக் கல்லூரியில் விருதுநகர் நாசா ஸ்பேஸ் ஆப்ஸ் நடத்திய ஹேக்கத்தான் போட்டியில் வெற்றி பெற்ற மாணவ, மாணவியருக்கு விருதுகளுடன் பரிசு தொகையும் வழங்கப்பட்ட போது எடுத்த படம்.

2. MSME Idea Hackathon From 08.11.2023



3. Industry-Related Laboratories: -

To enhance practical knowledge, our institution has established several Centers of Excellence within our college campus. These centers serve as hubs of specialized learning, providing students with hands-on experience and in-depth insights into various domains. Each Center of Excellence is dedicated to a specific field, fostering a focused and immersive environment for students to apply theoretical concepts to real-world scenarios. Through state-of-the-art facilities, industry-standard equipment, and expert guidance, these centers aim to bridge the gap between academia and industry, ensuring that students graduate with not only theoretical knowledge but also practical skills that are directly applicable in their chosen fields. These initiatives align with our commitment to providing a comprehensive and dynamic educational experience that prepares students for success in their future careers.

BOSCH – Center of Excellence



Texas Instruments Innovation Lab



E-Yantra Robotics Laboratory: -



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 Sivakasi - Virudhunagar, Kamarajar Educational Road, Amathur-626 005.
 E-mail: aaengineeringcollege@gmail.com website: www.aaenggcoll.ac.in Contact: 04562 - 251111 / 12

e -YANTRA ROBOTICS

Equipments Available

- * FireBird V 2560
- * Spark V Robot
- * Raspberry - Pi
- * Zigbee modules 100m range
- * Two axis camera pod with wireless camera
- * USB TV tuner for wireless camera
- * Kinect sensor
- * Metal Gear servo Motors
- * Sharp infrared range sensors
- * Maxbotix Ultrasonic Range sensor
- * 3 axis Digital Gyroscope
- * 3 axis Digital accelerometer
- * GPS receiver
- * Servo motor based Gripper kit



@yantra

Training and Services



- * Training our students for e-YRC and e-YIC competition conducted by IIT-Bombay every year.
- * Conducting National Level workshop on Robotics using Firebird and Spark V robots for engineering students.
- * Conducting e-Yantra Robo Champ Intra - College Competition every year.
- * Conducting Hands on training on Robotics for various School Students.
- * Organizing National Level workshop on Autonomous Robots for Polytechnic Students.
- * Training on e-Yantra Robotics for all circuit Branches of our College.

Mrs. K.PADMAPRIYA, Assistant professor / ECE
e - Yantra Robotics Lab incharge



Workshop on e-Yantra Robatic course


Centre of IIoT:-

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 E-mail: aaengineeringcollege@gmail.com website: www.aaenggcoll.ac.in Contact: 04562 - 251111 / 12




Equipments

- * Raspberry Pi 4 Model 2GB RAM
- * Arduino Uno
- * Node MCU ESP 8266
- * Bluetooth HC 05 module
- * DS1307 based RTC Module
- * Digi XBEE Module
- * Ethernet Shield
- * Ultrasonic Distance Sensors
- * IR sensors
- * PIR sensors
- * Sound Sensors
- * Temperature and Humidity Sensors
- * GPS receiver
- * Servo Motor Interface Module
- * DC Motor Interface Module
- * GSM module
- * Heart beat Sensors
- * Finger print Sensors

Centre of IIoT



AAACET
provides opportunity for the students to build industry capable start-up community and Entrepreneurial ecosystem



Training and Services

- * Training engineering students in Arduino and Raspberry Pi Board to develop real time projects and products.
- * Training school students in Arduino programming to get acquaintance with latest technology in IoT.
- * Training multi-disciplinary students in IoT to carry out collaborative projects.
- * Offering advanced level training in IoT to polytechnic students for their career growth.
- * Inducing creative thinking by hands on training.
- * Giving solutions by integrating sensors, actuators with Arduino and Raspberry pi boards.
- * Imparting skills to compete technical competition.
- * Creating awareness on IoT to the school students through their ATAL TINKERING LAB.
- * Assisting students to carry out advanced research in IoT.
- * Aiding students to obtain International certificate in IoT.

Value add course on IoT



Consultancy: -

The consultancy involves students in practical problem-solving, critical thinking, and industry-relevant applications, preparing them for the complexities of their future careers. This hands-on practice not only deepens their understanding of the subject matter but also cultivates essential skills such as teamwork, communication, and project management. By integrating consultancy projects into our academic framework, we empower students to bridge the gap between theory and application, ensuring they graduate with a well-rounded skill set and a heightened readiness for the professional landscape.