



Shri Shamrao Patil (Yadavkar) Educational & Charitable Trust's
Sharad Institute of Technology, College of Engineering Yadav- (Ichalkaranji)
(An Autonomous Institute)

(Approved by AICTE, New Delhi, Recognized by Government of Maharashtra & Affiliated to DBATU, Lonere)
NBA Accredited Programmes, NAAC 'A' Grade Institution, ISO 9001:2015 Certified Institute, Recognized u/s
2(f) and 12(B) of the UGC Act 1956

Shri Shamrao Patil (Yadavkar) Educational & Charitable Trust's
SHARAD INSTITUTE OF TECHNOLOGY
COLLEGE OF ENGINEERING

Yadav (Ichalkaranji)

NBA Accredited Programmes
NAAC 'A' Grade Institution
Affiliated to DBATU, Lonere
An ISO 9001:2015 Certified Institute

AN AUTONOMOUS INSTITUTE

College Vision

To be a center of excellence in technical education by using cutting-edge technology that produces competent engineers of today and tomorrow to serve society.

College Mission

- To impart quality education by implementing state-of-the-art teaching-learning methods to enrich the academic competency, credibility and integrity of the students.
- To facilitate a conducive ambience and infrastructure to develop professional skills and nurture innovation in students.
- To inculcate sensitivity towards society, respect for environment and promote high standards of ethics.

Department VISION

To be a centre of excellence in Electronics & Computer engineering education to prepare professionally competent engineers with lifelong learning attitudes for the accomplishment of ever-growing needs of society

Department MISSION

1. To prepare technically and professionally competent engineers by imparting quality education through effective teaching learning methodologies and providing stimulating environment for research and innovation.

2. To develop professional skills and right attitude in students that will help them to succeed and progress in their personal and professional career.
3. To imbibe moral and ethical values in students with concern to society and environment



Dr. Pravinkumar S. Patil (Associate Professor & Head of Department)
B.E., M.E., Ph.D.

"Success and failures are just stepping stones in education. In the end, knowledge stands as prime, leaving everything else immaterial." It gives me an excellent opportunity to unveil the Fifteen issues of the Newsletter of the Electronics and Telecommunication Department. Within the pages, everyone will find news related to various activities of the Department and student association with contributions of the faculty members and students. Through a nice blend of coursework and projects, the Department endows students to apply science, mathematics, and engineering knowledge to work effectively in multidisciplinary teams, provide leadership and technical expertise, and practice engineering with ethical approaches and concern for society and the environment. Our curriculum undergoes regular revisions to ensure local relevance with a global outlook. I hope everyone will find this exciting issue exposed to students and faculties.

From Faculty Editor Desk: - Mr. M. M. Babar (Editor): -



Dear reader,

Introducing E&C newsletters 'ece messengers.' We were overwhelmed by the response that we received from the co-coordinators, heads of departments, and faculty members in making this newsletter possible. In this newsletter, we have reported significant achievements of the Department, staff, and students. Campus news and events and the placement scenario have also been emphasized. I am glad to acknowledge the kind support that I received, directly and indirectly, to bring out the newsletter on time.

From the Student Editors desk: -

Dear readers,

Our E&C Engineering department has always been successfully competing with all the challenges. It gives us immense pleasure to become student editors of this ece-messenger. We are thankful to find us capable of this work.

Students Co-coordinator



**Prashisti Yogesh Karandikar
(President)
(TY ECE)**



**Tejas Dada Nirmale
(Vice-President)
(TY ECE)**

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Program Educational Objectives (PEOs)

- 1. Acquire fundamental knowledge of electronics, computer Science Engineering to design, develop new ideas and solve real-life problem.**
- 2. Excel in professional carrier by applying recent technologies & skills as electronics & computer engineering field evolves.**
- 3. Possess leadership qualities, effective communication skills & lifelong learning attitude to work efficiently with diverse teams, corporate, IT industry promoting appropriate practices & sense of social responsibility.**

Faculty Development Programme

Sr.No	Name of Workshop Organized	Date	Source of Filling	Target Audience
1	Nil	Nil	Nil	Nil

Faculty Achievement

Faculties from our Department compcompletedSTTP,NPTEL Courses , ATAL FDP, Introducing book publication, project participationete, activitiesuccessfullyto enhance their knowledge and, which is imparted to the students for their technical growth

1. NPTEL

Sr. No	Name of Faculty	Name of Course	Certificate Type
1	Ms. Swati Shreepal Halunde	Cloud Computing	Elite
2	Mr. K. A. Kupade	Successfully completed Faculty Domain-Advanced	Domain Certificate



2. Paper Published

SR.No	Name of Faculty	Name Of Paper	Publication Details
1	Ms.M B Mulik	Reflectance material classification using optimized deep learning and change detection of LANDSAT surface reflectance image	Volume 126, November 2023, 106697 https://www.sciencedirect.com/science/article/abs/pii/S0952197623008813
2	Dr S T Jadhav	Automated COVID 19 detection from Exhaled Human Breath using CNN-Cat Boost Ensemble Model	Vol-7, https://scholar.google.co.in/scholar?q=Automated+COVID+19+detection+from+Exhaled+Human+Breath+using+CNN-Catboost+Ensemble+Model&hl=en&as_sdt=0&as_vis=1&oi=scholar

3. Book/Chapter Publication

Sr No	Name of Author	Name of Book/Chapter	Publisher Name
1	Dr S S Gurav	Self Sustained E-toilet system using IOT	BP International, https://stm.bookpi.org/CPSTR-V2/article/view/12906

Professional Society Activities

ISTE Activity for Academic Year 2024-25 Sem-I

Sr. No.	Name of Activity	Target Students	Date of conduction
1	Faculty Development program	For Faculty	3/06/24 to 08/06/24
2	Expert Talk- Career opportunity in defence	S.Y. Students	10/08/24
3	Expert Talk- Engineering application using python programming	T.Y. Students	10/08/24
4	Industrial Visit -Shri Vinayak electro control kabnoor	S.Y. Students	13/08/24
5	VAP- Coding and programming using Embedded C and Python	T.Y. Students	26/08/24 to 30/08/24
6	Industrial Visit- KPT	T.Y. Students	06/09/24
7	Industrial Visit- Shreem Electric	S.Y. Students	25/09/24
8	VAP- PLC & SCADA	Btech Students	30/09/24 to 05/10/24
9	Expert Talk- Automotive embedded Testing	T.Y. Students	21/09/24
10	Event	ALL Students	15/10/24

11	Expert Talk- Data analyst with power BI	BTECH	19/10/24
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IIETE Activity for Academic Year 2024-25 Sem-I

Sr. No.	Name of Activity	Target Students	Date of conduction
1	Expert Talk- Robotics Boot Camp	S.Y. Students	10/08/24
2	Expert Talk- Introduction to numpy :Python	T.Y. Students	10/08/24
3	Expert Talk- GATE and Competitive Exam Preparation	S.Y. Students	29/08/24
4	Teachers day celebration	All Students	13/09/24

Student Achievement

Sr. No.	Name of Student	Name of Event	Date	Organizer	Level	Remark
1	Sonaya Jitendra Kumble	Paper Presentation	25/05/2022	SITCOE, Yadrav	National Level Technical Event	1st Rank
2	Prashasti Yogesh karandikar	Avishkar 2025	10-11-2024	Narasaheb Mahadik College of Engineering, Peth	Zonal Level Technical Event	1st Rank
3	Shital Balaso Waingade	Place Master Quiz Competition	16-10-2024	SITCOE, Yadrav	College Level Technical Event	2nd Rank
4	Arpita Kuntinath Khadd	Place Master Quiz Competition	16-10-2024	SITCOE, Yadrav	College Level Technical Event	3rd Rank
5	Suyash Pande	Impetus 2k24, Project Competition	15-10-2024	SITCOE, Yadrav	National Level Technical Event	1st Rank
6	Suyash Pande	Place Master Group Discussion	16-10-2024	SITCOE, Yadrav	College Level Technical Event	1st Rank
7	Ruturaj Patil	Impetus 2k24, Project Competition	15-10-2024	SITCOE, Yadrav	National Level Technical Event	1st Rank
8	Manisha Shrikant Yenape	Impetus 2k24, Project Competition	15-10-2024	SITCOE, Yadrav	National Level Technical Event	3rd Rank

9	Indrayani Sukhadev Patil	Impetus 2k24, Project Competition	15-10-2024	SITCOE, Yadrav	National Level Technical Event	3rd Rank
10	Pratiksha Anandrao Mane	Impetus 2k24, Project Competition	15-10-2024	SITCOE, Yadrav	National Level Technical Event	3rd Rank
11	Sai Ghorpade	Place Master Technical Essay Writing	16-10-2024	SITCOE, Yadrav	College Level Technical Event	1st Rank
12	Ankitkumar Upendra Singh	Impetus 2k24, Project Competition	15-10-2024	SITCOE, Yadrav	National Level Technical Event	2nd Rank
13	Ankitkumar Upendra Singh	Place Master Group Discussion	16-10-2024	SITCOE, Yadrav	College Level Technical Event	3rd Rank
14	Ankitkumar Upendra Singh	Project Competition	20-04-2024	Tatyasaheb Kore Institute of Engineering and Technology, Warananagar	National Level Technical Event	3rd Rank
15	Rohit Santur	Soft Skill Enhancement Programme	29-04-2024	SITCOE, Yadrav	College Level Technical Event	2nd Rank
16	Sourabh Khot	Electrovert Circuit Safari	19-11-2024	Walchand college of engineering Sangli.	ELESA, National Level Mega Event	Finalist
17	Disha Bhosale	Electroblast	14-10-2024	Sharad Institute of Technology college of engineering, Yadrav. Ichalkaranji	Department Level Technical Event	Winner
18	Asmita Rankhambe	Avishkar 2025	10-11-2024	Narasaheb Mahadik College of Engineering, Peth	Zonal Level Technical Event	3rd Rank

ECESA details (Electronics & Computer Engineering Student Association)

Electronics & Computer Engineering Student's Association (ECESA) tries to improve the personality of every student. This Association helps them achieve the goal of an intellectual and thinking person which in turn helps them in their academic and extracurricular activities. This society provides them with a platform where they can explore their hidden abilities. It allows them to work in a group of members from all the years.

Impetus 2K24 and Place Master 2K24-Technical events are organized every year with the objective to provide a platform for the students to showcase their talent with a competitive spirit. The event was successful enough to attract as many as 1750 participants from Maharashtra and Karnataka state. event completed in one day.

IMPETUS 2K24 Rankers (Project Competition)		
Rank	Name	College Name
1 st (5000/-)	Mr. Suyash V. Pande	SIT COE Yadrav
2 nd (3000/-)	Mr Rohit R. Santnur	SIT COE Yadrav
3 rd (2000/-)	Ms Priyanka S Patil	SIT COE Yadrav

IMPETUS 2K24 Rankers (Paper Presentation)		
Rank	Name	College Name
1 st (5000/-)	Mr Rutoraj Patil	SIT COE Yadrav
2 nd (3000/-)	Mr Venkatesh Yashwant	WCE, Sangli
3 rd (2000/-)	Ms Soniya Narayanlar	SITCOE, Yadrav

IMPETUS 2K24 Rankers (Electrorodics)		
Rank	Name	College Name
1 st (5000/-)	Ms Anuja Ghatage	DKTE, Ichalkaranji
2 nd (3000/-)	Mr Mayuresh Patil	SITCOE, Yadrav
3 rd (2000/-)	Ms Shital Awalekar	SITCOE, Yadrav

The Winner 2023 (Autonomous) University & District Team

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(AICTE Approved Programme) | AICTE'S Autonomous | UGC Approved | ISO 9001:2015 Certified Institute







IMPetus 2023
An National Level Engineering Contest
Sponsored by AICTE

Registration

Registration Fee: ₹ 100/-

Registration Period: 15th Nov 2023 to 30th Nov 2023

Eligibility

Open to all Engineering students of AICTE Approved Institutions

Participation

Individual & Team (2-4 members)

Prizes

1st: ₹ 3000/-
2nd: ₹ 2000/-
3rd: ₹ 1000/-



Prize Money upto ₹ 2,00,000/-

ENTRY FEE
RS. 100/-
(To cover for all events)




1st Floor, Sharad Institute of Technology, Sharad Nagar, Yadrav, Dist. Solapur, Maharashtra - 431001
 Contact: 020-27222222 | Email: info@sitcey.ac.in | Website: www.sitcey.ac.in

PLACE MASTER Rankers (Group Discussion)

Rank	Name	College Name
1 st (3000/-)	Suyash V. Pande	SITCOE, Yadrav
2 nd (2000/-)	Rubiya Qalandar Goundi	SITCOE, Yadrav
3 rd (1000/-)	Aniket Upendra Singh	SITCOE, Yadrav

PLACE MASTER Rankers (Technical Essay Writing)

Rank	Name	College Name
1 st (3000/-)	Sai Prabhakar Ghorpade	SITCOE, Yadrav
2 nd (2000/-)	Vijay Rajaram Kamble	SITCOE, Yadrav
3 rd (1000/-)	Arihant Patil	SITCOE, Yadrav

ECESA Events

I. Teacher's Day Celebration on 5th August 2024



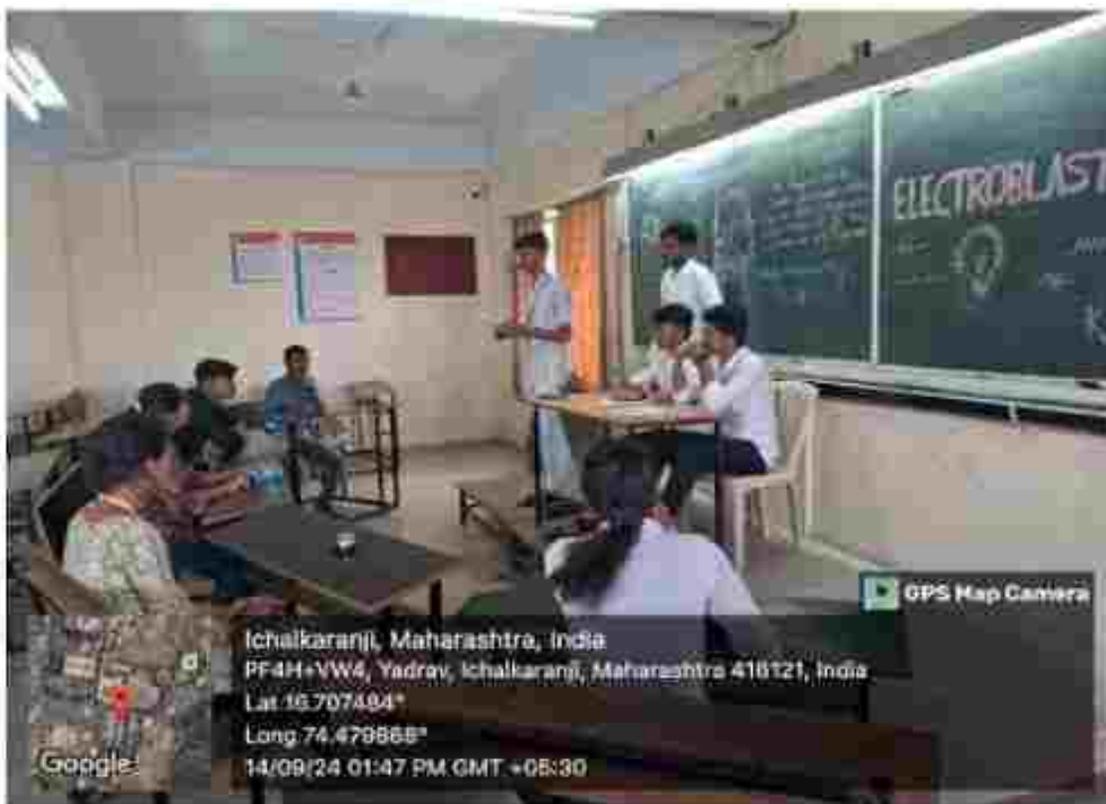


2. Engineer's day Celebration on 14th September 2024



3. TECHSPECTRUM on 14th September 2024





Industrial-visits

The Department organizes Virtual industrial visits. The excursions and industrial visits are for the students, which are relevant to the stream of study of the program.

Industrial Visit Conducted (A.Y-2024-25, SEM-I)

Sr. No.	Name	Class	Conduction Date	Address	Total student	Visited Faculty
1	Hem Electronics	SY(A,B)	17/08/2024	Kupwad	70	Mr K.A.Patil Mrs.S.R.Ghorpade
2	ISTC Pune	TY (A,B)	02/09/2024	Kharadi Pune	37	Ms.S.Y.Salunkhe Ms.M.B.Mulik Mr.U.J.Maishale
3	SVR Robotics	TY (A,B)	03/09/2024	Pune	37	Ms.S.Y.Salunkhe Ms.M.B.Mulik Mr.U.J.Maishale
4	KPT Pvt Ltd	TY (A,B)	05/09/2024 06/09/2024	Jaysingpur	80	Ms.P.D.Ghate Ms.S.S.Halunde Ms.B.K.Jagtap Dr.S.S.Gurav
5	Elcom	B.Tech (A,B)	23/09/2024	Kolhapur	70	Ms.P.D.Ghate Mrs.D.M.Biradar Mr.M.M.Babar
6	Shreem Capacitors/ Electric	SY (A,B)	25/09/2024	Jambhali	66	Ms.S.S.Halunde Ms.P.D.Ghate

Photos-KPT Industries Ltd



ELCOM, Kolhapur



HEM Electronics



SVR Robotics



ISTC



Shreem Capacitors



Guest Lecture Summary/Student Enrichment Program

The modern education system has made guest lecturers an essential part of their learning strategies. Having guest speakers enhances the educational experience of the students. Moreover, it is an excellent way for the students to get maximum exposure. Keeping this aim in mind Electronics and Telecommunication Engineering department organizes various guest lectures.

Guest Lecture Summary of the Academic year 2024-25 SEM-I

Sr. No.	Topic for Expert Talk	Expert Name & Designation	Date of Expert Talk	Class	No. of Beneficiaries
1	Engineering Applications using Python Programming	Dr. Sajeed S. Mulla Associate Professor, DIET, Satara	10-08-2024	TY	120
2	Introduction to numpy- Python	Dr. Sajeed S. Mulla, Associate Professor, DIET, Satara	10-08-2024	SY	80
3	GATE and Competitive exam preparation	Mr. Bejrang Shankar Kamble Sr. Broadcast Engineer, Akashwani, Kolhapur	28-08-2024	TY	90
4	Introduction to Automotive Embedded Systems & overview of different ECUs in Automotive systems	Mr. Mahesh Kumar Patil Consultant, Caggemini, Hinjewadi, Pune	21-09-2024	Final year	85
5	Data analyst with power bi	Name: Premkumar Ramesh Mahajan Software Developer & Data scientist RacksonsIT developer private limited, Pune	19-10-2024	Final year	130



Value Addition Program

Our Department organizes value addition programs for improving the student's technical knowledge.

Sr. No.	Title	Date	Resource Person	Beneficiary
1	Coding and programming using Embedded C and Python	26 th to 30 th August 2024	Mr. Ajay Mannolkar, TECHNOLKAR innovations, Belgum.	Third Year Students
2	PLC and SCADA	30 th to 05 th Oct.2024	Mr. AkashDongale, DS Automation Solution, Kolhapur.	Second Year Students
3	Data Structure and Algorithm	14th to 19th Oct 2024	Mr Harsh Tripathi Coding Block	Third Year Students





Innovation Centre

1. Centre of excellence On VLSI and embedded system design

This center is established in Association with ESSCI (Electronic sector skills council of India), IEEE (Institute of Electrical and Electronics Engineers), IESA, and Ministry of Skill Development. The Center of Excellence "VLSI and Embedded Systems" is the first lab in the entire Maharashtra region and 3rd in India. The main aim of this center is to upgrade the skills among faculties, students, and non-teaching staff by providing appropriate training and to bridge the gap between industry and academia.

Centre @SITCOE

In this center of Excellence, the software tools are provided by Mentor Graphics (A Siemens Business) which worth a price of Rs. 60 Crore. Some of the tools and software which are provided are Capital Board Stations, Hyperlink Advanced, Hyperlink VRC, Source R.Y. Code Bench, etc. Certification will be certified by the Ministry of Skill Development and ESSCI.

Benefits to the Students:

- Students will learn updated tools that are currently used in the ESDM sector.
- Students will get placement benefits in the ESDM sector after the successful completion of training.
- Students acquire the knowledge of making the startups.
- Students will be upgraded with the appropriate skill set.

Activities Conducted in Center of Excellence VLSI AND EMBEDDED SYSTEM DESIGN

2. Texas Instrument Lab

Exposure to state-of-the-art technology through hands-on learning experience by using Microcontrollers such as MSP430 LAUNCH PADS, TIVA LAUNCH PADS, Educational Booster Pack MKII.

Objective: -To utilize the launch pad and booster packs kits which are up gradated versions of recent microcontrollers by Electronics & Telecommunication Engineering Students to develop an innovative project. Better employability opportunities for students in embedded system domain companies.

As the need for industry base knowledge is the prime requirement for now-a-day Engineering students. Keeping this view in mind SITCOE, Yadrav-Ichalkaranjals striving hard to give a lot of project-based and industry-based training to students by arranging different workshops and training for students.

3. PCB& Wireless Sensor LAB

PCB Design

PCB design and development is one of the important steps in product or system development for all electronics-based gadgets, automobiles, machines, and equipment. The lab setup provides a facility for PCB development required for project work. Wireless Sensors are also made available for developing various Real-Time applications in various sectors like environmental monitoring, home automation, public safety, and health care systems.

Wireless Sensor networking plays a crucial role in designing and developing various Real-Time Implementation of projects in various sectors like environmental monitoring, home monitoring, and patient monitoring, and various sectors. Students used different modules for their projects

Objectives

- Give the student & faculty easier access to state-of-the-art electronics technologies.
- Assist with integrating new electronic technologies into research programs.
- Transfer those technologies to the users when economical.
- Provide cradle-to-grave support for ongoing research or transitioning to commercialization

E-Yantra Lab

E-Yantra (stylized as e-Yantra) stands as a robotics-focused educational outreach initiative originating from the Department of [Computer Science and Engineering](#) at the [Indian Institute of Technology, Bombay](#). Supported by the [Ministry of Education, Government of India](#), under the National Mission on Education through ICT (NMEICT), its primary objective is to supplement prevailing engineering and robotics higher education frameworks globally. The initiative aims to cultivate engineers equipped with the prowess to address local challenges spanning various domains including [agriculture](#), [disaster response](#), [defense](#), [manufacturing](#), [home automation](#), [smart cities](#), and [service industries](#), leveraging technological innovations

Ms. P. D. Ghate, Assistant Professor, E&CE Dept., SITCOE, Yadrav attended one day Innovation Challenge 2K24 at IIT, Powai, Bombay on 14th October 2024 with two SY CSE groups having 4 students in each group which had been selected for next progress.



PLACEMENT LIST

Sr. No.	Name of Student	Company Name	Package (LPA)
1	IndrayaniSukhadev Patil	Hexaware	4.0
2	Suryash Vinay Pande	Hexaware	4.0
3	Ankit Upendra Singh	Hexaware	4.0
4	Sanika Anil Karve	Hexaware	4.0

5	Pratiksha Anandrao Mane	Hexaware	4.0
6	Rohit Santur	ExcelR	
7	Manisha Yenape	ExcelR	
8	Ankita Rukade	ExcelR	
9	Suyash Pande	Tech Mahindra	3.6
10	Rushikesh Manoj Shinde	Q Spiders	
11	Yash Kundlikmandre	Q Spiders	
12	Rohit Raju Santur	Q Spiders	
13	Prajakta Jagannath Jadhav	Q Spiders	
14	Aditya Mudalkar	Q Spiders	
15	Mohammad Taqui Arif Patel	Q Spiders	
16	Dhanashree Rupesh Wadd	Q Spiders	
17	Sanika Sanjay Patil	Q Spiders	
18	Mohakprakashidgonda	Q Spiders	
19	Mahesh Chandrakant Avalakki	Q Spiders	
20	Samiksha Sanjay Patil	Q Spiders	
21	Shrijeet Deepak Nadgonda	Q Spiders	
22	Devyani Pravin Nagarale	Q Spiders	
23	Roturaj Patil	Q Spiders	
24	ANIKET DESHMUKH	Q Spiders	
25	Shreyash	Q Spiders	
26	pranavpatil	PHN Technologies	2.5-3.5
27	manishayennape	PHN Technologies	2.5-3.5
28	Shrijeetnadgonda	PHN Technologies	2.5-3.5
29	Suraj Choughale	PHN Technologies	2.5-3.5
30	Samiksha Hingangave	PHN Technologies	2.5-3.5
31	Shantana Joshi	PHN Technologies	2.5-3.5
32	Rohit Santur	PHN Technologies	2.5-3.5
33	Samruddhi Burwade	PHN Technologies	2.5-3.5
34	Tapasya Jadhav	PHN Technologies	2.5-3.5
35	Shubham Vansale	PHN Technologies	2.5-3.5
36	Soweta Sangale	PHN Technologies	2.5-3.5
37	Swapnil Shinde	PHN Technologies	2.5-3.5
38	ANKITA RUKADE	Stack edutech	4.6
39	TAQUI PATEL	Stack edutech	4.6
40	Tapasya Rajkumar Jadhav	Academor	4.6
41	Vaishnavi Laxman Bhosale	Academor	4.6
42	Mohammad Taqui Arif Patel	Academor	4.6
43	Mahesh Chandrakant Avalakki	Academor	4.6
44	Roturaj Rajgonda Patil	Academor	4.6

Mini Project:-

We implement project-based Learning. In this, students did various mini-projects using different techniques. With this approach, students actively explore real-world problems and challenges and acquire more profound knowledge. Project-Based Learning is a teaching method in which students gain knowledge and skills by working for an extended period to investigate and respond to an authentic, engaging, and complex question, problem, or challenge.

Sr No	Class	Total No of Mini Projects
1	SY A	17
2	S.Y. B	20
3	TY A	17
4	T.Y. B	19

SY A

Sr.no.	Project Name
1	Watt meter using Arduino
2	Girls Safety Panic button
3	Arduino Uno based car detection system
4	Hand gesture vocalize
5	Gesture Controlled Robot
6	Solar tracker system
7	Chatgpt terminal using ESP32
8	Ultrasonic Radar System
9	Train Track Tracking System
10	Home Automation on Voice Control
11	Mini Arduino FPV Drone
12	Fingerprint Attendance System
13	Automatic fish food dispenser
14	Mobile based real time tpms system
15	Traffic density and signal adjustment system
16	Metal and non-metal sorting using arduino
17	Fire Fighting Robot

S.Y. B

Sr.no.	Project Name
1	A safety Innovation for Agricultural Workers
2	SMS based voting system
3	Monthly electricity bill display with SMS feature
4	Automatic Water Trash Cleaner
5	Solar panel USB charger

6	LASER security alarm system
7	Automatic rain sensing car wiper
8	IoT based E-ticket system
9	Smart water irrigation system
10	DTMF based home automation using Arduino
11	IoT based ventilator
12	Automatic Pill Dispenser
13	Smart Garbage monitoring system using IoT
14	Automatic Protection of Cloths from rain
15	Object follower robot
16	Variable voltage booster with display
17	Distance measurement with audio
18	Smart BP monitor
19	Automatic Door opening system with entry & exit center
20	Automatic to segregate

TY A

Sr. no.	Project Name
1	Accident Prevention System
2	Build and Expenses Tracker using HTML, CSS & Javascript
3	Jarvis Desktop Assistant
4	Bidirectional visitor counter
5	Smart digital school bell system with time table display
6	Smart traffic management
7	Home automation system using Arduino
8	ECG heart monitoring system
9	Gas leakage detection
10	Energy monitoring system
11	Door lock system using fingerprint
12	Automatic water flow system for toilet
13	Air pollution monitoring system
14	Electronic voting machine
15	RFID door lock access control system
16	Women safety device with GPS tracking system
17	Sunflower solar tracking system

TY B

Sr No	Name of project
1	Floor cleaner robot with wifi control
2	Home automation using IoT
3	Smart bridge automatic height adjustment system
4	Brain MRI images for Tumor Detection by DIP using MATLAB
5	Smart car parking system using arduino and IR sensor
6	Message Mat using HTML, PHP
7	Glucose bottle monitoring system
8	Object detection & color detection
9	Traffic signal using Arduino Nano
10	SMS based door lock / unlock system
11	Ingen Bot Driver support for Engineer Scholar
12	Power efficient mini inverter
13	Way finder for blind
14	Blue ring for women safety
15	Disease prevention treatment system
16	Advanced footstep power generation system
17	RFID based Attendance system
18	Ultrasonic glasses for blind people
19	Solar tracking device

Faculty of Department

Sr.No.	Name of Faculty	Experience	Area of Specialization
1	Dr. Pravin Kumar S. Patil (HOD)	27	Wireless communication, signal processing for communication
2	Dr. Sachin Surendra Gurav	11	Video Surveillance
3	Ms Madhuri B Mulik	17.5	VLSI And Embedded
4	Mr. Kupade K. A. (Dean, IIPC)	14 (Teaching), 9.5 (Industry)	VLSI System Design
5	Mr. Diwakar M Tayagar	12	VLSI System Design, Embedded System
6	Ms. Sharda Y Sahinkhe (Program Coordinator)	16.5	Image processing
7	Ms. Priya D. Ghate (Dean, FDP)	14.5	Communication

8	Ms. Madhuri S. Mali (Academic Coordinator)	12.5 (Teaching), 0.5(Industry)	Image Processing
9	Mr. Vaibhav V Khandare	13.5	Image Processing
10	Mrs. Shital R. Ghorpade	17.5	Image Processing
11	Mr. Manoj M. Babar	13.5 (Teaching), 1.5(Industry)	Embedded System
12	Mrs. Dhanashri M. Bradar	11 (Teaching), 0.5(Industry)	Embedded System
13	Ms. Halunde Swati S.	12.5	Image Processing, Wireless Communication
14	Mr. U. J. Maisale	12.5 (Teaching), 0.5(Industry)	Communication
15	Ms. B. K. Jagtap	7	Communication

Supporting Staff -

1. Mr. A. S. Patil (B.E. Electronics)
2. Mr. Rahul Joshi (BTech)

Peon

Mr. Maruti Kamble



Shri. Shamrao Patil (Yadravkar) Educational & Charitable Trust's
Sharad Institute of Technology, College of Engineering Yadav- (Ichalkaranji)
(An Autonomous Institute)

(Approved by AICTE, New Delhi, Recognized by Government of Maharashtra & Affiliated to
DBATU, Lonere)

NBA Accredited Programmes, NAAC 'A-Grade Institution, ISO 9001:2015 Certified Institute,
Recognized u/s 2(f) and 12(B) of the UGC Act 1956

ShriShamrao Patil (Yadravkar) Educational & Charitable Trust's
SHARAD INSTITUTE OF TECHNOLOGY
COLLEGE OF ENGINEERING

Yadav (Ichalkaranji)

NBA Accredited Programmes
NAAC 'A' Grade Institution
Affiliated to DBATU, Lonere
An ISO 9001:2015 Certified Institute

AN AUTONOMOUS INSTITUTE

Front Page Data Form

Chairman Photo as a 1

Executive Director Photo as a 1

Principal Photo as a 1

College Vision

To be a center of excellence in technical education by using cutting-edge technology that produces competent engineers of today and tomorrow to serve society.

College Mission

- To impart quality education by implementing state-of-the-art teaching-learning methods to enrich the academic competency, credibility and integrity of the students.
- To facilitate a conducive ambience and infrastructure to develop professional skills and nurture innovation in students.

- To inculcate sensitivity towards society, respect for environment and promote high standards of ethics.

Department VISION

To be a centre of excellence in Electronics & Computer engineering education to prepare professionally competent engineers with lifelong learning attitudes for the accomplishment of ever-growing needs of society

Department MISSION

1. To prepare technically and professionally competent engineers by imparting quality education through effective teaching learning methodologies and providing stimulating environment for research and innovation.
2. To develop professional skills and right attitude in students that will help them to succeed and progress in their personal and professional career.
3. To imbibe moral and ethical values in students with concern to society and environment



Dr.Pravinkumar S. Patil (Associate Professor & Head of Department)
B.E., ME, Ph.D.

“Success and failures are just stepping stones in education. In the end, knowledge stands as prime, leaving everything else immaterial” It gives me an excellent opportunity to unveil the Fifteen issues of the Newsletter of the Electronics and Telecommunication Department. Within the pages, everyone will find news related to various activities of the Department and student association with contributions of the faculty members and students. Through a nice blend of coursework and projects, the Department endows students to apply science, mathematics, and engineering knowledge to work effectively in multidisciplinary teams, provide leadership and technical expertise, and practice engineering with ethical approaches and concern for society and the environment. Our curriculum undergoes regular revisions to ensure local relevance with a global outlook. I hope everyone will find this exciting issue exposed to students and faculties.

From Faculty Editor Desk: – Ms. Priya A Kadam (Editor): –



Dear reader,

Introducing E&C newsletters 'ElectroCompute.' We were overwhelmed by the response that we received from the co-coordinators, heads of departments, and faculty members in making this newsletter possible. In this newsletter, we have reported significant achievements of the Department, staff, and students. Campus news and events and the placement scenario have also been emphasized. I am glad to acknowledge the kind support that I received, directly and indirectly, to bring out the newsletter on time.

From the Student Editors desk: –

Dear readers,

Our E&C Engineering department has always been successfully competing with all the challenges. It gives us immense pleasure to become student editors of this 'ElectroCompute'. We are thankful to find us capable of this work.

Students Co-coordinator



**Prashisti Yogesh
Karandikar
(President)
(TY ECE)**



**Tejas Dada Nirmale
(Vice-President)
(TY ECE)**

Sr No.	Contents
1	Vision, Mission, Quality Policy, PEOs, Goals
2	Faculty Development Programme
3	Faculty Achievement
4	Faculty paper publications
5	Student Participation
6	Professional Society
7	ECESA Event + Innovation2K24
8	Industrial Visits
9	Student Enrichment Program
10	Value addition Program
11	Mini Project list
12	Innovation Center: 1.VLSI excellence Centre 2.Texas Lab 3. PCB design and wireless sensor network innovation center 4. E-Yantra
13	SITCOE Placement Cell
14	Faculty List

Program Educational Objectives (PEOs)

1. Acquire fundamental knowledge of electronics, computer Science Engineering to design, develop new ideas and solve real-life problem.
2. Excel in professional carrier by applying recent technologies & skills as electronics & computer engineering field evolves.
3. Possess leadership qualities, effective communication skills & lifelong learning attitude to work efficiently with diverse teams, corporate, IT industry promoting appropriate practices & sense of social responsibility.

Faculty Development Programme

Department of Electronics and Computer Engineering, Computer Science Engineering, Artificial

Intelligence and Data Science arranged Faculty Development Programme on "Component Based Web Development for Interactive UI"

Key Speakers :

Mr Premkumar Mahajan, Front End and AIML Developer, Rackson IT Developer Pvt LTD Pune.

Objectives of FDP

- To introduce the concept of component-based architecture in modern web development frameworks like React, Angular, or Vue.js.
- To enhance faculty expertise in building reusable, maintainable, and scalable UI components for web applications.

- To familiarize participants with state management, routing, and event handling in component-based development.
- To bridge the gap between academic curriculum and industry practices, preparing faculty to deliver industry-relevant training to students.
- To promote project-based learning and real-time application development, encouraging hands-on experience in UI/UX design and interactive web interfaces.
- To encourage the adoption of modern JavaScript libraries and tools, improving coding efficiency and application performance.
- To empower faculty with knowledge on integrating backend APIs with frontend components for dynamic, real-world applications. To foster innovation in teaching methodologies by equipping educators with advanced web technologies for curriculum enhancement.

Faculty Development Programme

Sr.No	Name of Workshop Organized	Date	Source of Filling	Target Audience
1	"Component Based Web Development for Interactive UI"	26 th June to 30 th June 2025	Electronics and Computer Engineering, Computer Science Engineering, Artificial Intelligence and Data Science Department of SITCOE	ECE/CSE/AI&DS Faculties





Faculty Achievement

Faculties from our Department completed STTP, NPTEL Courses , ATAL FDP, Introducing book publication, project participation etc.,activities successfully to enhance their knowledge and, which is imparted to the students for their technical growth.

1. NPTEL

Sr. No	Name of Faculty	Name of Course	Certificate Type
1	Ms. Swati Shreepal Halunde	NPTEL FDP on "Effective Engineering Teaching in Practice"	Elite
		NPTEL FDP on "Teaching and Learning (TALE)"	Elite
		NPTEL FDP on "Cloud Computing"	Successfully Completed
2	Mr. K. A. Kupade	NPTEL FDP on "Patent Drafting for Beginners"	Elite

Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MHRD, Govt. of India)

This certificate is awarded to
SWATI SHREEPAL MALINDE
for successfully completing the course

Effective Engineering Teaching In Practice

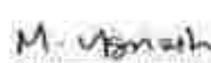
with a cumulated score of **83** / 90

Online Assignments	25/28	Proctored Exam	58.01/78
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Total number of candidates certified in this course: **000**


Prof. Anilraj Chakraborty
2024
Director, Institute of Technology Studies, IITM

Jan-Feb 2025
(8 week course)


Prof. Vignesh Muthumaryan
2025
Director, IITM



Indian Institute of Technology Madras



Roll No: NPTEL2008030040000400

To verify the certificate



No. of copies recommended: 1 or 2

2. Paper Published

SR.No	Name of Faculty	Name Of Paper	Publication Details
1	Dr Sachin S Gurav	Atmospheric Water generator using Smart Automation Systems	International Journal of Electrical and Electronics Engineering (ISSN 2348:8379)
		Design and Performance of Dual Band Microstrip Nano-Fractal Patch Antenna	Nanotechnology Perceptions(ISSN: 16606795DOI: 10.62441/nano-ntp.v20iS8.97
2	Dr. Pravinkumar S.Patil	Mathematical Models of Non-linear Phenomena in wireless Security	Communications on applied Nonlinear analysis(https://doi.org/10.52783/cana.v3i.1248)
3	Mrs. M S Mali	Hybrid QDCNN-DNFN for Laryngeal Cancer Detection Using Image and Voice Analysis in Federated Learning	Sensing and Imaging(ISSN:1557-2072, https://doi.org/10.1007/s11220-024-00531-z)
4	Dr.Sharda Y. Salunkhe	ZF-QDCNN: ZFNet and Quantum Dilated	Network: Computation in Neural

		Convolutional Neural Network based Alzheimer's disease detection using MRI images	Neural based disease MRI	Systems(https://www.tandfonline.com/doi/full/10.1080/0954898X.2025.2452288)
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3. Patent Publication

Sr No	Name of Author	Name of Patent	National / International	Published	Granted	Application No.	Date of Publication
1	Dr S S Gurav	UNLEASHING POTENTIAL WITH MOBILITY STANDERS FOR CEREBRAL PALSY, AMYOTROPHIC LATERAL SCLEROSIS AND PARALYSIS PATIENTS.	National	Published	In Process	202421030970	18/04/2024
2	Ms. Bhagya shree K Jagtap	ELECTRICAL REPAIRS ASSISTING ROBOTIC DEVICE	National	Published	In Process	430575-001	22/03/2024

4. Conference Paper

SR No	Name of Faculty	Name Of Paper	Publication Details
1	Mrs P A Kadam	Parkinson's Disease Assessment Using Dominant Voice features	Intelligent Computing and Communication(ICICC 2024) 29 th March 2024 Online
2	Ms Swati Shripal Halunde	An Investigation in to Artificial Intelligence for the identification of vocal fold disease	GREENAI NEXUS 2025 International Conference on AI for Environment, Energy, and Earth Sciences 2025



ORIGINAL INDEXED 2025
INTERNATIONAL CONFERENCE ON AI FOR ENVIRONMENT,
ENERGY, AND EARTH SCIENCES 2025

CERTIFICATE OF RECOGNITION

SPECIAL RECOGNITION TO

This is to certify that **Ms. Veera Sheetal Malavika** has presented a Paper titled with **An investigation on the Artificial Intelligence for the Identification of Vocal Fold Diseases** in ORIGINAL INDEXED 2025 INTERNATIONAL CONFERENCE ON AI FOR ENVIRONMENT, ENERGY, AND EARTH SCIENCES 2025 held on 20th & 21st June, 2025 (organized at VIT College of Engineering, Vellore)

H. Chandrasekhar Reddy
Chairman

H. Sakshita Reddy
Convener

H. Nagesh Kumar
President (AI) - Technical University
Co-ordinator Chair



7th INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTING
AND COMMUNICATION ICICC-2024

30th & 31st AUGUST 2024



CMR TECHNICAL CAMPUS

UGC AUTONOMOUS

Approved by AICTE, New Delhi & JNTU Hyderabad
Kharakonda, Medchal Road, Hyderabad, Telangana, India - 501401

Certificate of Presentation

This is to certify that **Priya Dilip Ghate** of **Dr. Vishwanath Karad MIT World Peace University** has Presented in the "Springer 7th International Conference on Intelligent Computing and Communication ICICC-2024" organized by the Department of Computer Science and Engineering, CMR Technical Campus, Hyderabad, Telangana during 30th & 31st August, 2024 as **Corresponding Author** for the paper titled **Parkinson's Disease Assessment using dominant voice features**

This paper has been published in Proceeding of ICICC-2024, Springer - Lecture Notes in Networks and Systems LNNS Series. ISSN 2367-3389

Dr. V. Nareesh Kumar
Convener

Dr. K. Sujana Raju
Editor

Dr. A. Raji Reddy
Director

Professional Society Activities

IEEE Activity for Academic Year 2024-25 Sem-II

Sr. No.	Name of Activity	Details of Resource Person/Contact Person	Target Students	Date of conduction
1	Industrial Visit	Deputy Manager- HR and Admin. Elcom Pvt Ltd. Kagal Hatkanangle	150 Students 4 Faculty	23 rd September 2024
2	Faculty Development program "Component based Web Development for Interactive UI"	Mr Premkumar Mahajan Front End and AIML Developer Rackson IT Developer Pvt LTD Pune	Electronics and Computer Engineering, Artificial Intelligence and Data Science and Electrical Engineering Staff	26 th June to 30 th June 2025
3	Non Teaching faculty Development Program on "Institutiunal staff capacity enhancement program 2025"	Mr Mangesh S Kulkarni Controller of Examination SIT COE Yadrav	All Administrative and Technical support Staff	19 th June 2025 to 24 th June 2025

IETE Activity for Academic Year 2024-25 Sem-II

Sr. No.	Name of Activity	Target Students	Date of conduction
1	Expert Talk- Robotics- Boot Camp	S.Y. Students	10/08/24
2	Expert Talk- Introduction to numpy :Python	T.Y. Students	10/08/24
3	Expert Talk- GATE and Competitive Exam Preparation	S.Y. Students	29/08/24
4	Teachers' day celebration	All Students	13/09/24
5	Expert Talk "GATE Preparation and Career opportunities in Government sector"	S.Y. Students	19/12/2024
6	Expert Talk "ROLE OF PLC and SCADA in Modern Engineering"	S.Y. Students	30/1/2025
7	Expert Talk "Strategic Approach to Advanced Materials and Nanotechnology: Research Methodology writing Excellence and patent filling for next Generation Electronics"	All Students	31/01/2025

ISTE Activities for Academic Year 2024-25 Sem-II

Sr. No.	Name of Activity	Target Students	Date of conduction
1	Faculty Development program	For Faculty	3/06/24 to 08/06/24
2	Expert Talk- Carrier opportunity in defence	S.Y. Students	10/08/24
3	Expert Talk- Engineering application using python programming	T.Y. Students	10/08/24
4	Industrial Visit -Shri Vinayak electro control	S.Y. Students	13/08/24

	kabnoor		
5	VAP- Coding and programming using Embedded C and Python	T.Y. Students	26/08/24 to 30/08/24
6	Industrial Visit- KPT	T.Y. Students	06/09/24
7	Industrial Visit- Shreem Electric	S.Y. Students	25/09/24
8	VAP- PLC & SCADA	Btech Students	30/09/24 to 05/10/24
9	Expert Talk- Automotive embedded Testing	T.Y. Students	21/09/24
10	VAP on Data Structure and Algorithm	T.Y. Students	17/10/24 to 27/10/24
11	Event	ALL Students	15/10/24
12	Expert Talk- Data analyst with power BI"	BTECH	19/10/24
13	Industrial visit to magnewin kupwad MIDC	S.Y.	22/01/25
14	Industrial visit to EVER Electronics	S.Y.	28/01/25
15	VAP on Industrial automation using PLC and SCADA	ALL Students	27/01/25 to 1/2/25

Student Achievement

Sr. No.	Name of Student	Name of Event	Date	Organizer	Level	Remark
1	Rohan D. Shinge	EUREKA & JIDNYASA 2K25	10-11-2024	Tatyasaheb Kore Institute of Engineering and Technology, Warananagar	National Level Technical Event	1st Rank

2	Yashvardhan D. Patil	EUREKA & JIDNYASA 2K25	16-10-2024	Tatyasaheb Kore Institute of Engineering and Technology, Warananagar	National Level Technical Event	1st Rank
3	Parshwanath M. Girmal	EUREKA & JIDNYASA 2K25	16-10-2024	Tatyasaheb Kore Institute of Engineering and Technology, Warananagar	National Level Technical Event	1st Rank
4	Rohan D. Shinge	Kalyani Bharat Forge RIT HACKATHON 2K25	23-03-2025	RIT Sakharale	National Level Technical Event	2nd Rank
5	Yashvardhan D. Patil	Kalyani Bharat Forge RIT HACKATHON 2K25	23-03-2025	RIT Sakharale	National Level Technical Event	2nd Rank
6	Parshwanath M. Girmal	Kalyani Bharat Forge RIT HACKATHON 2K25	23-03-2025	RIT Sakharale	National Level Technical Event	2nd Rank
7	Rohan D. Shinge	CMR HACKFEST 2.0	31-01-2025	CMR college of Engineering and Technology,	National Level Technical Event	1st Consolation Prize, 4th rank all over India

				Hyderabad		
8	Yashvardhan D. Patil	CMR HACKFEST 2.0	31-01-2025	CMR college of Engineering and Technology, Hyderabad	National Level Technical Event	1st Consolation Prize, 4th rank all over India
9	Parshwanath M. Girmal	CMR HACKFEST 2.0	31-01-2025	CMR college of Engineering and Technology, Hyderabad	National Level Technical Event	1st Consolation Prize, 4th rank all over India
10	Aditya Laykar	TECHTRENDT 2K25	04-04-2025	J. J. magdum College of Engineering	University Level Technical Event	1st Rank
11	Anuj Mhetre	TECHTRENDT 2K25	04-04-2025	J. J. magdum College of Engineering	University Level Technical Event	1st Rank
12	Atulkumar Mourya	INNOVATION 2K25	09-04-2025	Sharad Institute of Technology college of engineering, Yadrav. Ichalkaranji	National Level Technical Event	3rd Rank
13	OM Ghadage	TECHTRENDT 2K25	04-04-2025	J. J. magdum College of	University Level Technical	1st Rank

				Engineering	Event	
14	Sindili B. Gayakwad	Pragyan 2K24	18-01-2025	A. D. Shinde Institute of Technology, Bhadgaon, Gadhinglaj	National Level Technical Event	1st Rank
15	Rahul Lanjekar	INNOVATION 2K25	09-04-2025	Sharad Institute of Technology college of engineering, Yadrav. Ichalkaranji	National Level Technical Event	2nd Rank
16	Aditya Hawale	INNOVATION 2K25	09-04-2025	Sharad Institute of Technology college of engineering, Yadrav. Ichalkaranji	National Level Technical Event	2nd Rank
17	Alif Shaikh	INNOVATION 2K25	09-04-2025	Sharad Institute of Technology college of engineering, Yadrav. Ichalkaranji	National Level Technical Event	2nd Rank
18	Samiksha S. Kole	Prarambh 2K25	18-01-2025	Sharad Institute of Technology college of	College Level Technical Event	2nd Rank

				engineering, Yadrav. Ichalkaranji		
19	Samiksha S. Kole	PIONEER2025	22-02-2025	KIT college of Engineering, Kolhapur	National Level Technical Event	3rd Rank
20	Sanika Tribhuvane	INNOVATION 2K25	09-04-2025	Sharad Institute of Technology college of engineering, Yadrav. Ichalkaranji	National Level Technical Event	1st Rank
21	Namrata Wandre	INNOVATION 2K25	09-04-2025	Sharad Institute of Technology college of engineering, Yadrav. Ichalkaranji	National Level Technical Event	1st Rank
22	Namrata Wandre	INNOVATION 2K25	09-04-2025	Sharad Institute of Technology college of engineering, Yadrav. Ichalkaranji	National Level Technical Event	1st Rank



“Guided by brilliance, powered by innovation — 7 projects, one proud team!”:
Avishkar Zonal Project Competition! Total 07 projects selected for University Level Competition.

AICTE IDE BOOTCAMP MGM UNIVERSITY 2024



"From ideas to impact — a winning journey with our guiding stars.": Team Spandan Secured 2nd rank Organized By Entrepreneurship & Business mind Ministry Of Education, Innovation Cell Govt.India 2024.



"Teamwork, talent, and timeless guidance: Students have achieved success at the CMR HACKFEST 2.0 36 hours national level Hackthon held at CMR College of Engineering and Technology, Hyderabad



"Dream. Build. Achieve. With mentor lighting the way.": Inter University Research Convention State Level Project Competition has won 2 prizes in *ENGINEERING AND TECHNOLOGY CATEGORY

ECESA details (Electronics & Computer Engineering Student Association)

Electronics & Computer Engineering Student's Association (ECESA) tries to improve the personality of every student. This Association helps them achieve the goal of an intellectual and thinking person which in turn helps them in their academic and extracurricular activities. This society provides them with a platform where they can explore their hidden abilities. It allows them to work in a group of members from all the years.

Technical Event - INNOVATION 2K25

Name of the Event	Prize	Name of the Student	College Name
Start-up Mela	First Prize	Abhijeet Kamalekar, Nivedita Londhe	DKTE
	Second Prize	Alif Shaikh	SITCOE
	Third Prize	Viraj More	KIT
Squid Game Triviaz	First Prize	Sanika Tribhuvane	SITCOE
	Second Prize	Rahul Lanjekar	SITCOE
	Third Prize	Mayur Chakre	SITCOE
Paper Presentation	First Prize	Ms. Arpita Waichal, Ms. Pragati Todkar	DKTE
	Second Prize	Ms. Seema Gharge	KIT
	Third Prize	Ms. Sanika Upadhye, Ms. Namrata Todkar	SITCOE

ECESA (2024-25)

Event Summary

SEM-II		
1.	Indian Army Day Celebration	17/01/2025





Industrial-visits

The Department organizes Virtual industrial visits. The excursions and industrial visits are for the students, which are relevant to the stream of study of the program.

Industrial Visit Conducted (A.Y-2024-25, SEM-II)

Sr. No.	Name	Class	Conduction Date	Address	Total student	Visited Faculty
1	Ever Electronics	SY(A, B)	28/01/2025	Pune	48	Ms.S.S.Halunde Ms.B.K.Jagtap Mr.K.A.Patil
2	Magnewin Pvt Ltd	S.Y(A, B)	22/01/2025 23/01/2025	Kupwad, Sangli	80	Mr.T. Diwakar Ms.M.N.Sachne Ms.S.S.Halunde Ms.B.K.Jagtap Dr.Dr.P.S.Patil
3	Creintors Automation Solutions Pvt Ltd	TY(A, B)	24/02/2025	Udyambagh, Belgaum	60	Ms.D.M.Biradar Mr.S.Hawal Mr.A.S.Patil

Photos-Ever Electronics



Criantors Belgavi





Guest Lecture Summary/Student Enrichment Program

The modern education system has made guest lecturers an essential part of their learning strategies. Having guest speakers enhances the educational experience of the students. Moreover, it is an excellent way for the students to get maximum exposure. Keeping this aim in mind Electronics and Computer Engineering department organizes various guest lectures.

Guest Lecture Summary of the Academic year 2024-25 SEM-II

Sr. No.	Topic for Expert Talk	Expert Name & Designation	Date of Expert Talk	Classes	No. of Beneficiaries
1	Gate preparation and Career Opportunities in government sector	Mr. Bajrang Shankar Kamble Sr. Broadcast Engineer, Akashwani, Kolhapur	19-12-2024	SY	120
2	Fundamental of AI	Mr. Sachin Saswade Co founder efleetAI, San Jones, California	13-12-2024	SY	40
3	Indian Army: Honoring Valor and Exploring future carrer opportunities	Capt. Karan Vaijanath Masurkar	17-01-2025	SY, TY	285
4	Role of PLC and SCADA in Modern Engineering	Mr. Vinod A. Dinde Vidhi Automation and Solutions. Ichalkaranji, 416115.	30-1-2025	SY	125
5	Strategic Approach to Advanced Materials and Nanotechnology: Research Methodology, writing Excellence, and Patent Filling for Next-	Mr. Kiran P. Shejale Pohang University of Science and Technology. (POSTTECH), Pohang, South Koria. 37673	31-01-2025	SY, TY	280

	Generation Electronics				
6	AI tools used for software testing	Mr. Mahesh Kumar Patil Consultant , Capgemini, Hinjewadi, Pune	01-04- 2025	TY	50



Value Addition Program

Our Department organizes value addition programs for improving the student's technical knowledge.

Sr. No.	Title	Date	Resource Person	Beneficiary
1	Industrial Automation Using PLC and SCADA	27th January To 1st February 2025	Mr.Akash Dongale	TYECE

				23 Students
2	Embedded and IoT	27th January To 1st February 2025	Mr Yash Chavan Mr Nilesh Bhavadhankar	SY ECE Students 53

Innovation Centre

1. Centre of excellence On VLSI and embedded system design

This center is established in Association with ESSCI (Electronic sector skills council of India), IEEE (Institute of Electrical and Electronics Engineers), IESA, and Ministry of Skill Development. The Center of Excellence "VLSI and Embedded Systems" is the first lab in the entire Maharashtra region and 3rd in India. The main aim of this center is to upgrade the skills among faculties, students, and non-teaching staff by providing appropriate training and to bridge the gap between industry and academia.

Centre @SITCOE

In this center of Excellence, the software tools are provided by Mentor Graphics (A Siemens Business) which worth a price of Rs. 60 Crore. Some of the tools and software which are provided are Capital, Board Stations, Hyperlink Advanced, Hyperlink VRC, Source R.Y. Code Bench, etc.

Certification will be certified by the Ministry of Skill Development and ESSCI.

Benefits to the Students:

- Students will learn updated tools that are currently used in the ESDM sector.
- Students will get placement benefits in the ESDM sector after the successful completion of training.
- Students acquire the knowledge of making the startups.
- Students will be upgraded with the appropriate skill set.

Activities Conducted in Center of Excellence VLSI AND EMBEDDED SYSTEM DESIGN

Sr.No	Name of Event	Date	Organised
1	Webinar VLSI Design- Journeying beyond Chip War: Unleashing the Art of Chip Design	07 th Oct 2024	Maven Silicon Softech Pvt Ltd Banglore
2	Maven Silicon Scholarship Test 2025	30 th May 2025	Maven Silicon Softech Pvt Ltd Banglore
3	Faculty development program on Embedded Linux Programming	16 to 18 th Dec 2024	Maven Silicon Softech Pvt Ltd Banglore
4	Completed VLSI Design Engineer Certification Course under “Electronics Sector Skills Council of India” 14 Students Cleared Exam	780hr	ESSCI

E-Yantra (stylized as **e-Yantra**) stands as a robotics-focused educational outreach initiative originating from the Department of Computer Science and Engineering at the Indian Institute of Technology, Bombay. Supported by the Ministry of Education, Government of India, under the National Mission on Education through ICT (NMEICT), its primary objective is to supplement prevailing engineering and robotics higher education frameworks globally. The initiative aims to cultivate engineers equipped with the prowess to address local challenges spanning various domains including agriculture, disaster response, defense, manufacturing, home automation, smart cities, and service industries, leveraging technological innovations

Ms. P. D. Ghate, Assistant Professor, E&CE Dept., SITCOE, Yadrav attended one day Innovation Challenge 2K24 at IIT, Powai, Bombay on 14th October 2024 with two SY CSE groups having 4 students in each group which had been selected for next progress.

Sr No.	Name of Activity	Name of Speaker	Tentative Dates	Benefited Students
12	INNOVATION CHALLENGE 2025	CSE 2 groups achieved Merit Award under the Guidance of Mrs V A Jujare	September 2024 to April 2025 Activity in 5 stages	08



Fig 1 Grand Finale(Stage 5) at IIT Bombay



Fig. (Stage 4) at SVKM's NMIMS STME, Navi Mumbai with Mr Suyog Hawal

Student Details

Group 1.

Proposal ID: 4

Name of Project: PATH (Public Transportation Assistance Hub)

Group Members: CSE SY Students

1. Arsh Patel
2. Tushar Kore
3. Pruthviraj Dalavi
4. Shreyash Patil



Group 2.

Proposal ID:144

Pothole Tracker(Your guide to safer roads)

Group Members: CSE SY Students

1. Prathamesh Shinde

2. Pritam Vijay Sapkal

3. Karan Singh

4. Nikhil Sunil Dhotare

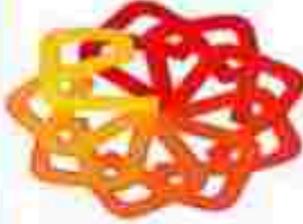




ayantra

Engineering is better tomorrow

ICTE Lab
Department of Computer Science and Engineering
Indian Institute of Technology Bombay,
Powai, Mumbai-400 075.



Certificate of Merit

This is to certify that Karan Singh, student from *World Institute of Technology College of Engineering*, has participated in the *a-Yantra Innovation Challenge (AYIC) 2024-25*.

He/she is a member of the team having the following team members:

1. Prathmesh Jadhav Shinde
2. Akshay Anil Sharma
3. Pranshu Poojapati
4. Karan Singh

Monitored By: Prof. Parthiv Agre

The team has been selected as one of the 12 finalist teams out of 200 teams. The team demonstrated their project titled "*Problema Tracker - Stop Cycle on Super Road*" at the AYIC National Finals 2024-25 held on 20th - 21st March, 2025.

Prof. Parthiv Agre
Principal, *Innovators, a-Yantra*
Professor
Department of Computer Science and Engineering
Indian Institute of Technology Bombay



a-Yantra is a program sponsored by IITB, Government of India, under the National Institute on Education through ICT (NINE) 2015.

Scanned with OKEN Scanner

12 groups awarded by IIT Bombay out of 200 groups [participated in INNOVATION Challenge 2k25. Students got Merit Award.

PLACEMENT LIST

Sr. no.	Name of Student	Company Name	Package (LPA)
1	Indrayani Sukhadev Patil	Hexaware	4LPA
2	Suyash Vinay Pande	Hexaware	4LPA
3	Ankit Upendra Singh	Hexaware	4LPA

4	Sanika Anil Karve	Hexaware	4LPA
5	Pratiksha Anandrao Mane	Hexaware	4LPA
6	Rohit Santiur	ExcelR	3.5-5 LPA
7	Manisha Yenape	ExcelR	3.5-5 LPA
8	Ankita Rukade	ExcelR	3.5-5 LPA
9	Suyash Pande	Tech Mahindra	3.6
10	Rushikesh Manoj Shinde	Q Spiders	Training
11	Yash Kundlik mandre	Q Spiders	Training
12	Rohit Raju Santiur	Q Spiders	Training
13	Prajakta Jagannath Jadhav	Q Spiders	Training
14	Aditya Mudalkar	Q Spiders	Training
15	Mohammad Taqui Arif Patel	Q Spiders	Training
16	Dhanashree Rupesh Wadd	Q Spiders	Training
17	Sanika Sanjay Patil	Q Spiders	Training
18	Mohak praksh sidgonda	Q Spiders	Training
19	Mahesh Chandrakant Avalakki	Q Spiders	Training
20	Samiksha Sanjay Patil	Q Spiders	Training
21	Shrijeet Deepak Nadgouda	Q Spiders	Training
22	Devyani Pravin Nagarale	Q Spiders	Training
23	Ruturaj Patil	Q Spiders	Training
24	ANIKET DESHMUKH	Q Spiders	Training
25	Shreyash	Q Spiders	Training

26	Pranav patil	PHN Technologies	2.5-3.5
27	Manisha yennape	PHN Technologies	2.5-3.5
28	Shrijeet nadgouda	PHN Technologies	2.5-3.5
29	Suraj Choughale	PHN Technologies	2.5-3.5
30	Samiksha Hingangave	PHN Technologies	2.5-3.5
31	Shantanu Joshi	PHN Technologies	2.5-3.5
32	Rohit Santiur	PHN Technologies	2.5-3.5
33	Samruddhi Barwade	PHN Technologies	2.5-3.5
34	Tapasya jadhav	PHN Technologies	2.5-3.5
35	Shubham Vansale	PHN Technologies	2.5-3.5
36	Shweta Sangale	PHN Technologies	2.5-3.5
37	Swapnil Shinde	PHN Technologies	2.5-3.5
38	ANKITA RUKADE	Stack edutech	4-6
39	TAQUI PATEL	Stack edutech	4-6
40	Tapasya Rajkumar Jadhav	Academor	4-6
41	Vaishnavi Laxman Bhosale	Academor	4-6
42	Mohammad Taqui Arif Patel	Academor	4-6
43	Mahesh Chandrakant Avalakki	Academor	4-6
44	RuturaJ Rajgonda Patil	Academor	4-6
45	Shweta Balaso Sangale	RANE_INTERNS HIP	2.4-2.8LPA
46	Tapasya Rajkumar Jadhav	RANE_INTERNS	2.4-2.8LPA

		HIP	
47	Moksha Takade	RANE_INTERNS HIP	2.4-2.8LPA
48	Prajakta Jagannath Jadhav	RANE_INTERNS HIP	2.4-2.8LPA
49	Ashish Ajit Kothale	shakti Auto	2.4-2.8LPA
50	Onkar Bhausaheb Kamble	shakti Auto	2.4-2.8LPA
51	Shreyash Subhash Patil	shakti Auto	2.4-2.8LPA
52	Sahil Sanjay Mendgule	shakti Auto	2.4-2.8LPA
53	ANIKET PRAKASH DESHMUKH	shakti Auto	2.4-2.8LPA
54	Ruturaj Rajgonda Patil	shakti Auto	2.4-2.8LPA
55	Rushikesh Manoj Shinde	shakti Auto	2.4-2.8LPA
56	Rohit Ravindra Mali	shakti Auto	2.4-2.8LPA
57	Shrijeet Deepak Nadgouda	shakti Auto	2.4-2.8LPA
58	Shantanu Shrikant Joshi	shakti Auto	2.4-2.8LPA
59	Mohak Prakash Sidgonda	shakti Auto	2.4-2.8LPA
60	PATIL RUTURAJ RAJGONDA	Internzvalley	INTERNSHIP + pp
61	KAMBLE PRACHALI PARASHRAM	Internzvalley	INTERNSHIP + pp
62	PANDE SUYASH VINAY	Internzvalley	INTERNSHIP + pp
63	SINGH ANKITKUMAR UPENDRA	wipro pari	3.5 LPA
64	CHOUGULE SURAJ SATISH	wipro pari	3.5 LPA

65	ARDALE AKASH ARUN	wipro pari	3.5 LPA
66	SHINDE PARTH DHANANJAY	Kiran Academy	TRAINING
67	Indrajit Digraje	Placemantra Pvt Ltd	4-6 LPA
68	Ruturaj Patil	Placemantra Pvt Ltd	4-6 LPA
69	Rushikesh Shinde	Placemantra Pvt Ltd	4-6 LPA
70	Prathmesh Kumbhar	WSM	INTERNSHIP + pp
71	Prajwal Mane	WSM	INTERNSHIP + pp
72	Aniket Patil	WSM	INTERNSHIP + pp

Mini Project:-

We implement project-based Learning. In this, students did various mini-projects using different techniques. With this approach, students actively explore real-world problems and challenges and acquire more profound knowledge. Project-Based Learning is a teaching method in which students gain knowledge and skills by working for an extended period to investigate and respond to an authentic, engaging, and complex question, problem, or challenge.

Sr No	Class	Total No of Mini Projects
1	SY A	17
2	SY B	20
3	TY A	17
4	TY B	19

S.Y A

Sr.no.	Project Name
1	Watt meter using Arduino
2	Girls Safety Panic button
3	Arduino Uno based car detection system
4	Hand gesture vocalize
5	Gesture Controlled Robot
6	Solar tracker system
7	Chatgpt terminal using ESP32
8	Ultrasonic Radar System
9	Train Track Tracking System
10	Home Automation on Voice Control
11	Mini Arduino FPV Drone
12	Fingerprint Attendance System
13	Automatic fish food dispenser
14	Mobile based real time tpms system
15	Traffic density and signal adjustment system
16	Metal and non-metal sorting using arduino
17	Fire Fighting Robot

S.Y. B

Sr.no.	Project Name
1	A safety Innovation for Agricultural Workers.
2	SMS based voting system
3	Monthly electricity bill display with SMS feature
4	Automatic Water Trash Cleaner
5	Solar panel USB charger
6	LASER security alarm system
7	Automatic rain sensing car wiper
8	IoT based E-ticket system
9	Smart water irrigation system
10	DTMF based home automation using Arduino
11	IoT based ventilator
12	Automatic Pill Dispenser
13	Smart Garbage monitoring system using IoT
14	Automatic Protection of Cloths from rain

15	Object follower robot
16	Variable voltage booster with display
17	Distance measurement with audio
18	Smart BP monitor
19	Automatic Door opening system with entry & exit conter
20	Automatic to segregate

Faculty of Department

Sr.No.	Name of Faculty	Experience	Area of Specialization
1	Dr. Pravin Kumar S. Patil(HOD)	27	Wireless communication, signal processing for communication
3	Dr. Sharda Y Salunkhe (Program Coordinator)	16.5	Image processing
3	Dr. Sachin Surendra Gurav	12	Video Surveillance
4	Dr A. Lahiry	4 (Industrial) 2(Research) 2(Teaching)	
5	Ms.Madhuri B Mulik	18(Teaching)	VLSI And Embedded
6	Mr. Kupade K. A.(Dean, IIPC)	14.5 (Teaching), 9.5(Industry)	VLSI System Design
7	Mr. Diwakar M Tayagar	12.5	VLSI System Design, Embedded System
8	Ms. Priya D. Ghate (Dean, FDP)	15	Communication
9	Ms. Madhuri S. Mali (Academic Coordinator)	13 (Teaching), 0.5(Industry)	Image Processing
10	Mrs. Shital R. Ghorpade	18	Image Processing

11	Mrs.Dhanashri M Biradar	11 (Teaching), 0.5(Industry)	Embedded System
12	Ms. Halunde Swati S,	13	Image Processing, Wireless Communication
13	Ms. B. K. Jagtap	9	Image Processing and audio processing
14	Ms V G Pujari	1.5(Teaching) 2(Industry)	Communication
15	Ms H S Maske	0.5(Teaching) 5(Industry)	Communication
16	Mr Suyog R Hawal	8	Electromagnetics and Microwave Engineering

Supporting Staff: -

1. Mr.A.S.Patil(B.E.Electronics)
2. Mr.Rahul Joshi(BTech)

Peon

Mr. Satish Kamble