EASWARI ENGINEERING COLLEGE

AUTONOMOUS

RAMAPURAM, CHENNAI

www.srmeaswari.ac.in

P.R.I.D.E. Achievements and Awards

2019-2024

nirf 2023 | RANKED IN THE BAND 151 - 200 | NBA NATIONAL BOARD OF ACCREDITATION | A NAAC | RANKED IN PLATINUM CATEGORY | DEVELOPED INDIA MISSION | INSTITUTION'S INNOVATION COUNCIL | CITY GREEN CAMPUS

P.R.I.D.E

Project Research Internship Design Entrepreneurship Activities: A group formed to exchange ideas on concepts to encourage students to participate in national level technical competitions, do innovative design projects and to promote entrepreneurship, thereby improving the overall caliber of students.

P.R.I.D.E ACHIEVEMENTS

DEPARTMENT ACHIEVEMENTS

Dept.	2019 - 2021	2021-2022	2022-2023
AUTO	67	84	52
AI & DS	42	32	115
BME	32	35	124
CIVIL	64	117	160
CSE	352	284	272
ECE	524	532	285
EEE	143	264	104
EIE	87	97	98
IT	312	314	235
MECH	142	174	87
RA	26	31	62

Participants:

More than 6000

Prizes Won:

More than 750.

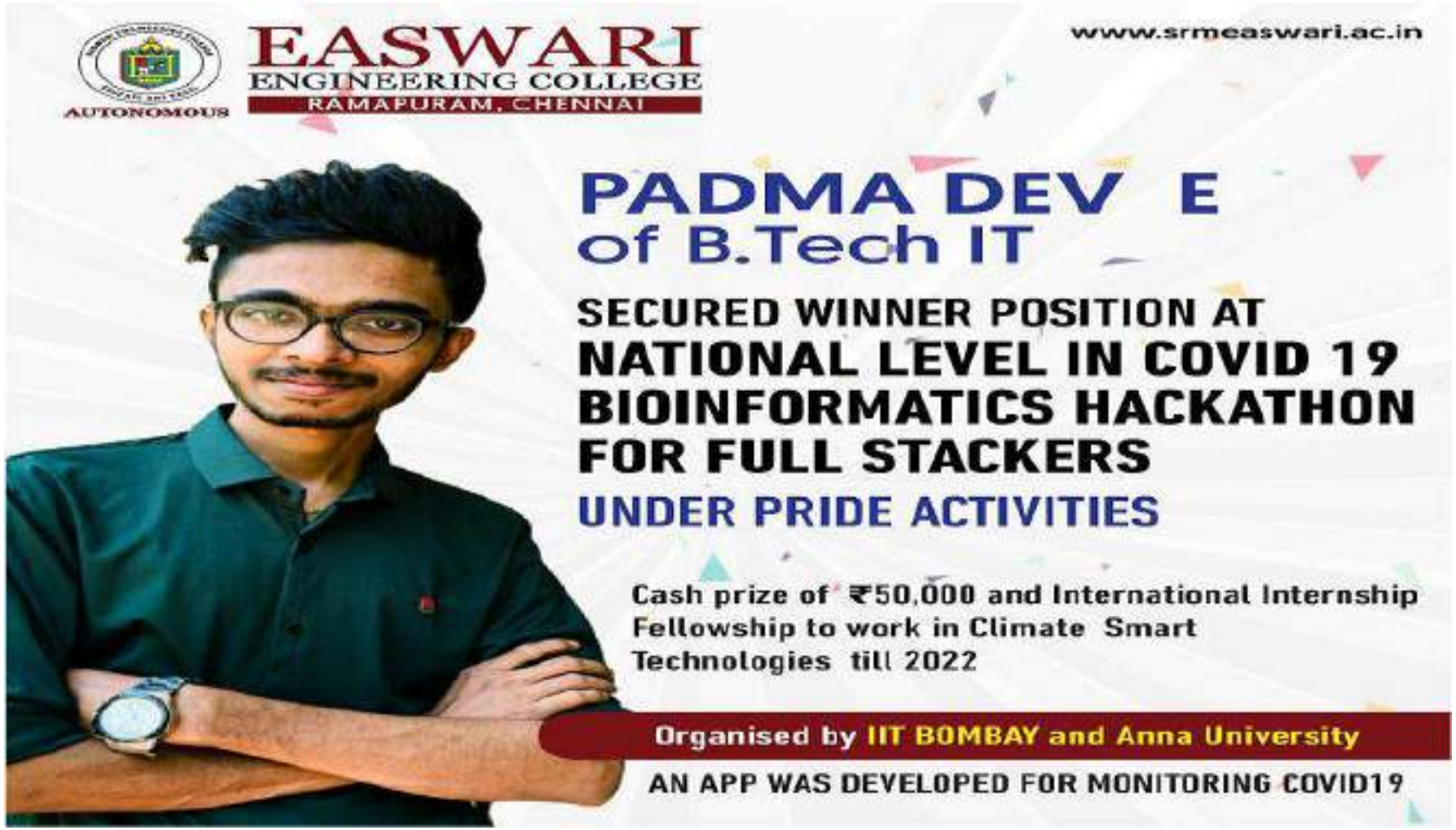
P.R.I.D.E ACHIEVEMENTS

P.R.I.D.E. CO-ORDINATORS			
Sl. No.	**NAME**	**DEPARTMENT**	**ROLE**
1	DR. R. S KUMAR	PRINCIPAL	Convener
2	DR. R. SENTHAMIZH SELVI	ECE	Coordinator
3	MR. K. RAVINDRAN	IT	Co-Coordinator
4	MR. K.SHANKAR	CSE	Member
5	DR. C. HARIHARAN	AUTO	Member
6	MR. G VIGNESH	EEE	Member
7	MS. K.NANDINI	EIE	Member
8	MS.BINDU BABU	ECE	Member
9	DR.B. ELUMALAI	MECH	Member
10	MS.V.SUNITHA	MBA	Member
11	DR. BANUVATHY	BME	Member

P.R.I.D.E ACHIEVEMENTS

P.R.I.D.E. CO-ORDINATORS			
Sl. No.	**NAME**	**DEPARTMENT**	**ROLE**
13	DR. M. MADHAN	R&A	Member
14	DR.R.GOPALAKRISHNAN	CIVIL	Member
15	MS.M.GEETHA	ENGLISH	Member
16	DR.C.SUBRAMANIAN	MATHS	Member
17	DR.B.SHANTHI	CHEMISTRY	Member
18	DR.K.PRATHIBHA	PHYSICS	Member

P.R.I.D.E ACHIEVEMENTS



P.R.I.D.E ACHIEVEMENTS

e-SIM Marathon-2020

P.R.I.D.E ACHIEVEMENTS

P.R.I.D.E ACHIEVEMENTS

Ms Anjana Suresh of III year IT dept. secured a position among the **Top 9 Finalists** of the **National Design Challenge** "Design for a Sustainable India" organized by **NASSCOM**, in association with **Adobe**

P.R.I.D.E ACHIEVEMENTS

EASWARI
ENGINEERING COLLEGE
RAMAPURAM, CHENNAI

Department of
MECHANICAL ENGINEERING

Congratulations

KRIPA HARIHARAN N S

KHIZAR BASHA M

PRASHANTH G U

of III yr B. E. Mechanical Engineering

Secured III[rd] Position at National Level Online

Yugam India IDEATHON 2021, COIMBATORE

2, 3 & 4 April 2021

Under PRIDE Activities

Cash Prize ₹. 25,000

Mentors:
Dr. V. Antony Aroul Raj, Prof. / Mech
Mr. S. Thiagarajan, Asst. Prof. / Mech

/SRMEaswariOfficial | /srmeaswari | /srm_easwari | srmeaswari.ac.in

P.R.I.D.E ACHIEVEMENTS

e-SIM Marathon -2021

P.R.I.D.E ACHIEVEMENTS

LAND & TOOL INFRASTRUCTURE PRIVATE LIMITED

ENGINEERING CONTRACTORS

TO WHOMSOEVER IT MAY CONCERN

EEE Student Achievement

Mr. Ponraj Krishna has deployed DRONE for gathering data through " Surveying and Mapping Techniques " at an industry named "Land and Tool Infrastructure Pvt. Ltd".

He designed and developed a custom 3D printed Quadcopter Drone 1.3 KG payload

P.R.I.D.E ACHIEVEMENTS

P.R.I.D.E ACHIEVEMENTS

3 teams from our Institute(ECE,IT & E&I Dept)shortlisted at Regional level and presented their ideas to participate in National Convention

S.No	Name of the Students	Dept	Problem Statement/ Topic	Name of Mentor &Dept
1.	Gayathri S Jabilo Jose J Bhagavath Kumar Ajitkumar M	ECE	YUVA KISAN GATEWAY	Mrs. R.Hema,ECE
2.	Pritham Ganesh S, Rohit Amrose H, Sharan Deepak R B, Vijaykumar S	IT	ONE CART	Dr.R.Priyatharshini,IT
3.	R. Aswath Bhargav,Divya S.V,K.Akash	E&I	Smart Tracking of COVID Spread using IoT	Ms.R.Nagalakshmi ,E&I

AICTE Vishwakarma Awards

P.R.I.D.E ACHIEVEMENTS

1 team from our Institute(ECE Dept)shortlisted as one of top finalist for the Grand Finale and participated in the event.

S.No	Name of the Students	Dept	Problem Statement/ Topic	Name of Mentor &Dept
1.	M.S.Vaaraghi,P. T.Esther Rani,C.Ashish Hameed,Siddharth Sarathy	ECE	Bus Tracking system using IOT	Mrs.A.T.Madhavi,ECE

P.R.I.D.E ACHIEVEMENTS

e-SIM Marathon -2022

P.R.I.D.E ACHIEVEMENTS

Mistral HACKFEST HACKATHON-2022- 3 Teams Participated in finale

P.R.I.D.E ACHIEVEMENTS

SIH-2022- A total of 50 Teams Participated in the Internal Hackathon of SIH -2022 and 35 teams have been shortlisted.

P.R.I.D.E ACHIEVEMENTS

SIH-2022 INTERNAL HACKATHON

P.R.I.D.E ACHIEVEMENTS

EASWARI ENGINEERING COLLEGE

(AUTONOMOUS)

(A Unit of SRM Group of Educational Institutions)

Approved by AICTE | Affiliated to Anna University, Chennai | NAAC - Accredited 'A' Grade | 2(f) & 12(B) Status (UGC)
ISO 9001:2015 Certified | NBA Accredited programmes | FIST Funded (DST) | SIRO Certified (DSIR)

P.R.I.D.E ACHIEVEMENTS 2022-23

AICTE SMART INDIA HACKATHON' 2022

AICTE SMART INDIA HACKATHON 2022

Team from **CSE DEPARTMENT** won the **INSPIRATION AWARD** with a cash prize of **Rs. 25,000** for the innovation of new technology under the **Student Innovation Category**

Team from **ECE DEPARTMENT** received the **CERTIFICATE OF PARTICIPATION** with consolation prize for **Best Competency**

MENTOR
Mr. K. P. K. Devan
Asst. Prof. / CSE

MENTOR
Mr. V. Dinesh
Asst. Prof. / ECE

SIH COORDINATOR
Mrs. Bindu Babu
Asst. Prof. / ECE

P.R.I.D.E ACHIEVEMENTS

SIH-2022-Winners

P.R.I.D.E ACHIEVEMENTS

CIVILIZATION 2022 – Conducted by Dept. of Civil Engg, Anna University, Guindy. Civil & IT dept. II year Students did a project titled "SMART LANES FOR PREVENTING ROAD ACCIDENT USING READ SENSORS AND ULTRASONIC WAVE SENSOR" won 1st prize of Rs.5000.

P.R.I.D.E ACHIEVEMENTS

Won Prize in **PALS ANALYZE - Case study event- 2022 . Team of 4 students-2-ECE and 2-IT Students. Mentors: Dr R. Senthamizh Selvi and Mr Ravindran**.

P.R.I.D.E ACHIEVEMENTS

Won Prize in PALS INNOWAH - 2022 -IIT MADRAS. Team of 3 students-ECE
Mentor : Dr R. Hema.

P.R.I.D.E ACHIEVEMENTS

Won Prize in PALS INNOWAH - 2022 –IIT Madras . Team of 5 students-EEE
Mentors: Mr. VIGNESH

P.R.I.D.E ACHIEVEMENTS

Won Prize in PALS INNOWAH - 2022 –IIT Madras . Team of 4 students-IT Dept.
Mentors: Mr. K. Ravindran

P.R.I.D.E ACHIEVEMENTS

CIVIL DEPARTMENT PROJECT CONTEST

P.R.I.D.E ACHIEVEMENTS

P.R.I.D.E ACHIEVEMENTS

BME DEPARTMENT PALS COMPETITION

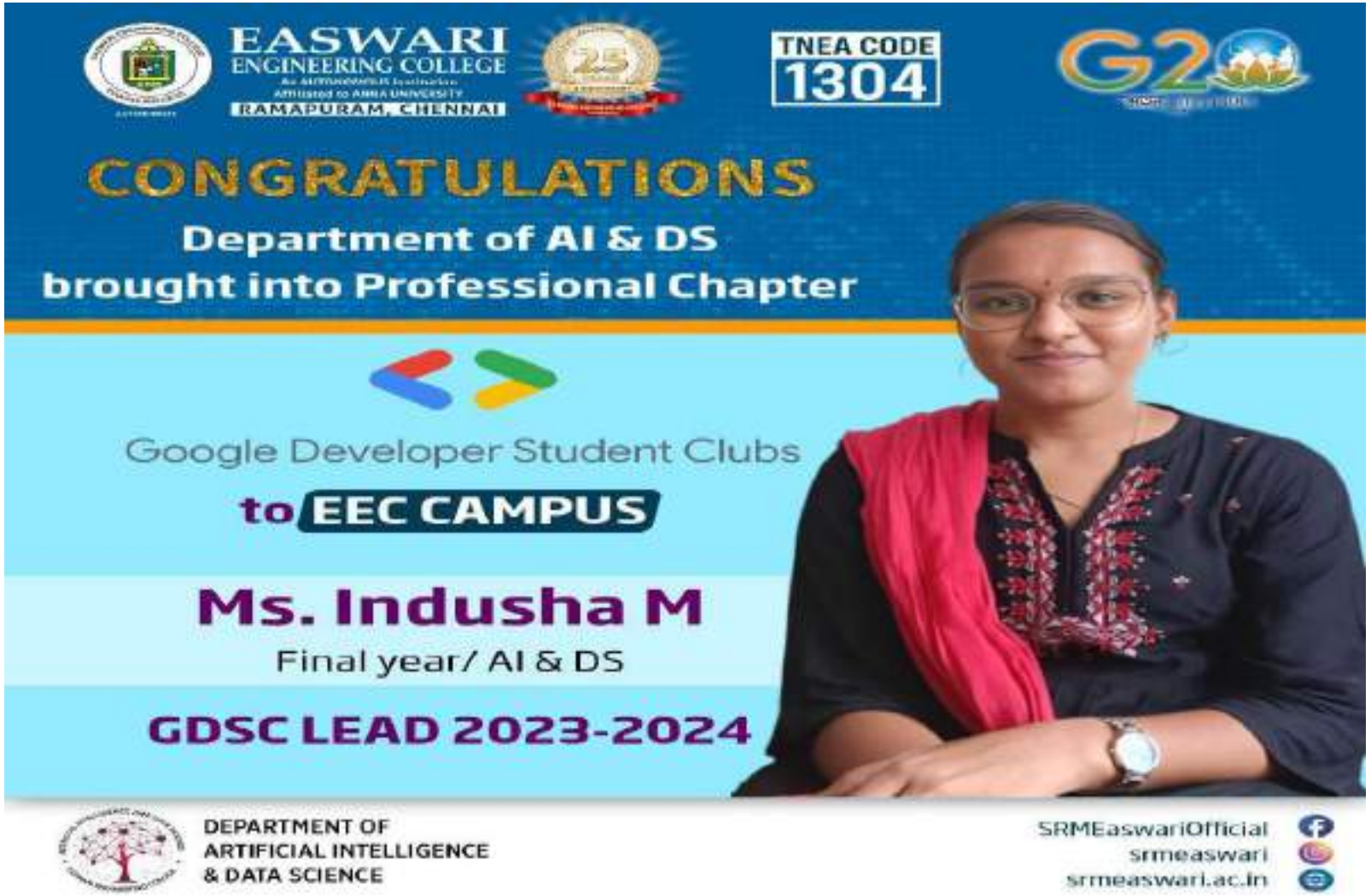
P.R.I.D.E ACHIEVEMENTS

Ms. Indusha Mahesh of 3rd Year has achieved Best Mention Award at KLA Hackathon organized by Shooting Stars Foundation Powered by KLA, AY 2022-2023.

P.R.I.D.E ACHIEVEMENTS

NIQR - National Institute of Quality and Reliability organized a Quiz program on TQM PRINCIPLES Received Merit certificates from the NIQR Chairman Chennai Branch - Mr. Bharani Perumal and Secretary/Principal of MSEC - Dr. K. S. Babai.

P.R.I.D.E ACHIEVEMENTS



P.R.I.D.E ACHIEVEMENTS

Department of Automobile Engineering students have participated in National Level Indian Karting Race-2020 held at Bhopal and Runner Up in E- Kart category.

P.R.I.D.E ACHIEVEMENTS

Winners of Go-Kart Team

P.R.I.D.E ACHIEVEMENTS

P.R.I.D.E ACHIEVEMENTS

P.R.I.D.E ACHIEVEMENTS

P.R.I.D.E ACHIEVEMENTS

P.R.I.D.E ACHIEVEMENTS

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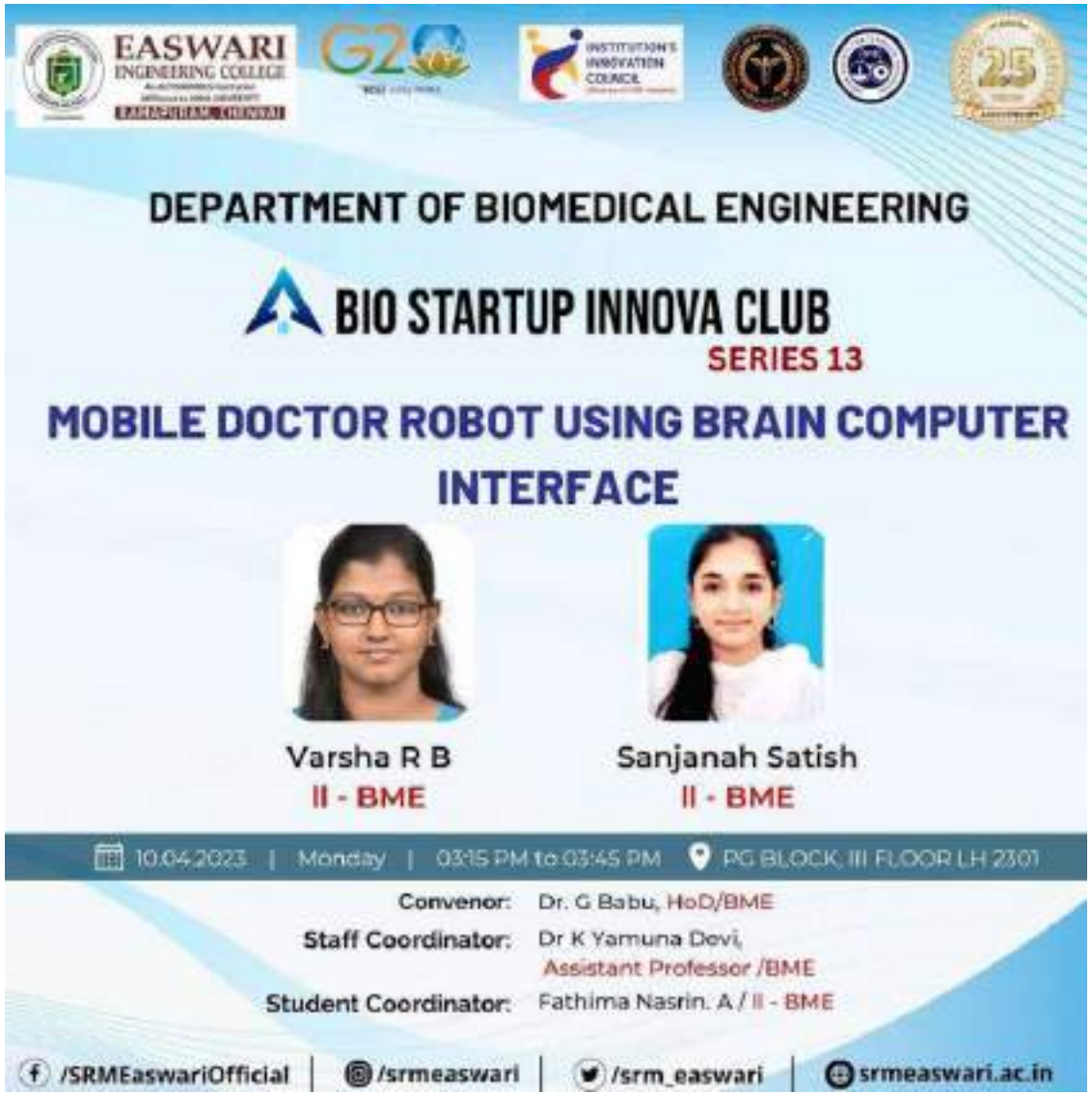
P.R.I.D.E ACHIEVEMENTS

P.R.I.D.E ACHIEVEMENTS



P.R.I.D.E ACHIEVEMENTS

P.R.I.D.E ACHIEVEMENTS

P.R.I.D.E ACHIEVEMENTS

P.R.I.D.E ACHIEVEMENTS

P.R.I.D.E ACHIEVEMENTS

Department of Information Technology

FIND A BUG & WIN A PRIZE – A PRIDE CONTEST

P.R.I.D.E ACHIEVEMENTS

Department of Information Technology

PRIDE Competitions – SIH Hackathon

P.R.I.D.E ACHIEVEMENTS

INSTAMINDS 2022

P.R.I.D.E ACHIEVEMENTS

INSTAMIND, A space where top Companies & bright young minds collaborate for future solutions to current problems.

INSTA MINDS was conducted in collaboration with,

Young Indians WE CAN WE WILL | Confederation of Indian Industry

Partnered global companies,

400+ Participants from varied stream from 15+ colleges participated in the event.

All participants were separated to company-based war rooms, each war room consisting of 10 teams, each team formed in random making unfamiliar participants as a team.

It promoted team work, beneficial collaboration and a excellent platform to exhibit innovation and thinking abilities on unleash. Only 16 students were asked off each college, Easwari Engineering College was represented by the following students.

Sripriyan Kumar T S , final year Automobile engineering student along with his team **won in Tamil Matrimony war room** and was appreciated with shield, certificate and gift hamper.

Other participants from our college contributed and were appreciated for their solutions and provided with certificates.

P.R.I.D.E ACHIEVEMENTS

P.R.I.D.E ACHIEVEMENTS

P.R.I.D.E ACHIEVEMENTS

Team of Students from Department of Automobile Engineering, Easwari Engineering College (Autonomous) won the 4th Place in Indian Kart Racing 2022 Go- Kart Category & E- Kart category won future award held at ISIE, New Delhi

P.R.I.D.E ACHIEVEMENTS

P.R.I.D.E ACHIEVEMENTS

P.R.I.D.E ACHIEVEMENTS

P.R.I.D.E ACHIEVEMENTS

P.R.I.D.E ACHIEVEMENTS

SHIV NADAR UNIVERSITY

invente'22
Create. Elevate. Sustain.

SSN

CERTIFICATE
OF ACHIEVEMENT

B. MOHANA LAKSHMI

OF SRM EASWARI ENGINEERING COLLEGE

HAS BEEN PLACED WINNER IN THE EVENT PAPER PRESENTATION – BME

CONDUCTED AT INVENTE'22 · A NATIONAL LEVEL TECHNICAL FEST ORGANIZED BY SSN COLLEGE OF ENGINEERING AND SHIV NADAR UNIVERSITY, CHENNAI ON 3RD AND 4TH NOVEMBER 2022.

Faculty Coordinator

Head of the Department

ABE

Sponsored by TMB SATTVA

Mohana lakshmi, Swetha V, Keerthika J won **1st place** in the paper presentation at inventee'22, A National Level Technical Fest conducted by SSN college of Engineering and technology

P.R.I.D.E ACHIEVEMENTS

International Year of Millets 2023

CERTIFICATE

OF PARTICIPATION

THIS CERTIFICATE IS PRESENTED TO:

ROWEENA JOYS .B

for participating in the WOMEN & MILLET poster competition organized by Centre for Entrepreneurship Development (CED), Anna University, Chennai - 600025

Dr.G.S.Mahalakshmi
DIRECTOR i/c
CED AU

P.R.I.D.E ACHIEVEMENTS

ALPHA COLLEGE OF ENGINEERING

(AICTE approved and affiliated to Anna University)
Thirumazhisai, chennai-6000124

IEEE

DEPARTMENT OF BIOMEDICAL ENGINEERING
organizes
12th NATIONAL LEVEL SYMPOSIUM

ASKLEPIUS'23

CERTIFICATE OF MERIT

THIS IS TO CERTIFY THAT

Mr./Ms. KEERTHANA. D of SRM EASWARI ENGINEERING COLLEGE

has presented the paper titled NANOBOT BASED IMMUNOTHERAPY FOR CANCER TREATMENT and won THIRD prize in the 12th National level Technical symposium "ASKLEPIUS'23" held on 10.03.2023.

CONVENOR

PRINCIPAL

Keerthana D, Kirthana S won third prize in paper presentation at A National Level Technical Presentation conducted by Alpha engineering college

P.R.I.D.E ACHIEVEMENTS

EASWARI ENGINEERING COLLEGE

DEPARTMENT OF BIOMEDICAL ENGINEERING

TNEA CODE 1304

P.R.I.D.E ACHIEVEMENTS 2021 - 22

DHARUN.K
II year, BME

CHARANYA. G
II year, BME

MUKUL RAYANA
II year, AI & DS

MENTOR
Dr. G. BABU, HOD / BME

PALS NEX 3D
HACKATHON, IIT MADRAS

Title:
DESIGN OF HUMAN PROSTHETIC HAND

Received Cash Prize of
₹. 4,000/-

P.R.I.D.E ACHIEVEMENTS

EASWARI ENGINEERING COLLEGE
An AUTONOMOUS Institution
Affiliated to ANNA UNIVERSITY
RAMAPURAM, CHENNAI

DEPARTMENT OF BIOMEDICAL ENGINEERING

TNEA CODE 1304

Congratulations

Preethi D, Swetha M, Pamitha B

III year / BME participated in a National level technical symposium conducted by the ECE department of RMK Engineering College and won the **THIRD PRIZE** in **PAPER PRESENTATION** on the topic **IoT-based line follower Smart Robot for hospitals.**

Keerthika J, Rosiya banu

has participated in **HON E KEN'22**, the National level technical symposium conducted by RMK engineering college and won **FIRST PRIZE** in **MYSTERY ON HOOPS** event and won **THIRD PRIZE** in the technical event called **BOB THE DEBUGGER.**

P.R.I.D.E ACHIEVEMENTS

Special Mention Award with cash prize of Rs.8000 by Shooting Stars Foundation, KLA Tech for Education & Inclusivity Hackathon- Haritha-III CSE, Harishma-III CSE, Avanthika-III CSE

P.R.I.D.E ACHIEVEMENTS

The following teams has Participated in "Project Expo 2023" Conducted by SRMIST-KTR on 15.02.2023 and 16.03.2023

Team 1:

1.Ms.Gayathri

2.Ms.Harini

3.Ms.Bhavana

4.Mr.Baranidharan

Team II:

1.Mr.Akash

2.Mr.Arvind

3.Mr.Hemanth Kumar

P.R.I.D.E ACHIEVEMENTS

2022 iNSTA MINDS

CERTIFICATE OF ACHIEVEMENT

This certificate is proudly presented to

HARINI P

from SRM EASWARI ENGINEERING COLLEGE

for actively participating in Insta Minds 2022 on 14 Oct.

NITIN BOTHRA (Chair, Yi Chennai)

PRATHEEP CHANDRAMOHAN (Co-Chair, Yi Chennai)

PARTNERING COMPANIES

2022 iNSTA MINDS

CERTIFICATE OF ACHIEVEMENT

This certificate is proudly presented to

GAYATHRI .

from EASWARI

for actively participating in Insta Minds 2022 on 14 Oct.

NITIN BOTHRA (Chair, Yi Chennai)

PRATHEEP CHANDRAMOHAN (Co-Chair, Yi Chennai)

PARTNERING COMPANIES

MR.Gayathri and Ms.Harini hadparticipated an National Level Ideathon-Instaminds conducted by Jeppiaar Institute on 14.10.2022.

P.R.I.D.E ACHIEVEMENTS

Mr. Aravindkumar, Mr. Hariharasudhan, Ms. Akshaya and Mr. Gopalakrishnan , **IV Year ECE won** the National Level Quiz on Quality Management organized by NIQR Chennai Branch – **AY 2022-2023.**

P.R.I.D.E ACHIEVEMENTS

Allwin meshach hezron TArun KBalasubramanian R Dev gokul B V of ECE won third prize in project exhibition conducted by JeppiarAY 2022-2023..

P.R.I.D.E ACHIEVEMENTS

Thilak D, Vel Hariharan A, Thirumalai M of 2nd of III ECE won third prize on Project Day, AY 2022-2023.

P.R.I.D.E ACHIEVEMENTS

Mr.Jeffrey J, Mr.Mohit R,Ms. Poojaa R and Mr.Prasanna Kumar of the Department of ECE has got a special mention award for their problem solving skills, along with a cash prize of Rs.1000/- and certificates organized Prathyusha Engineering College, AY 2022-2023.

P.R.I.D.E ACHIEVEMENTS

Student Achievements - EEE

Muralidhar P (EEE III Year), Hamsapriya K S (EEE III Year) and Samanyu B (EEE III Year) have won the Second Prize in Project day 2023, Easwari Engineering College, Chennai.

P.R.I.D.E ACHIEVEMENTS

Naveen Mouli V (EEE IV Year), Kathirselvan M (EEE IV Year) and Akash R (EEE IV Year) have won the Second Prize in Project day 2023 at SRM IST, Katangulathur, Chennai.

P.R.I.D.E ACHIEVEMENTS

Gowtham Raj, Praveen Raj.K and Adheel Ahammed won 3rd prize for the event Channel surfing at DG Vaishnav College on 10/03/2023.

P.R.I.D.E ACHIEVEMENTS

Student Achievements - EEE

Shrinidhi.S (I year ME-EST), Anjalakshi.M (I year ME-EST), Jeyanthi Yegammai. S (III year EEE) and Varshini.V (III year EEE) have won the Second Prize in Project day 2022, Easwari Engineering College, Chennai.

P.R.I.D.E ACHIEVEMENTS

SHIV NADAR UNIVERSITY
CHENNAI

invente'22
Create. Elevate. Sustain.
3RD & 4TH NOVEMBER

SSN

CERTIFICATE
OF ACHIEVEMENT

ADITYA MENON

OF SRM EASWARI ENGINEERING COLLEGE

HAS BEEN PLACED I IN THE EVENT MECHATHLON

CONDUCTED AT INVENTE'22 - A NATIONAL LEVEL TECHNICAL FEST ORGANIZED BY SSN COLLEGE OF ENGINEERING AND SHIV NADAR UNIVERSITY, CHENNAI ON 3RD AND 4TH NOVEMBER 2022.

Faculty Coordinator

Head of the Department

Sponsored by TMB SATTVA SUBA

Adithya Menon MECH-III won First place National Technical fest Mechathlon held at Shiv Nadar Univeristy,Chennai

P.R.I.D.E ACHIEVEMENTS

Ten students from III-MECH participated Hybrid Vehicle workshop at IIT Madras, Chennai – AY 2022-2023

P.R.I.D.E ACHIEVEMENTS

- Two of our ISHRAE Aquest teams won Second and Third prizes at Chapter level Quiz competition and qualified for National level Quiz.
- Second Prize: Mr. Anandharamakrishnan- III Mech AMr. Lokesh R III Mech B
- Third Prize:Mr. Rakan - IV Mech BMs. Aparna - III Civil

P.R.I.D.E ACHIEVEMENTS

Mr. S.Dhanush, Mr. P.Aravind , Mr. P.Thirumal of 3nd Yr has won I place in Project Day – 2023, AY 2022-2023.

P.R.I.D.E ACHIEVEMENTS

SHIV NADAR UNIVERSITY

invente '22
Create. Elevate. Sustain.

SSN

CERTIFICATE
OF ACHIEVEMENT

OF K SREERAM MENON

HAS BEEN PLACED FIRST IN THE EVENT MAKE-A-THON

CONDUCTED AT INVENTE'22 - A NATIONAL LEVEL TECHNICAL FEST ORGANIZED BY SSN COLLEGE OF ENGINEERING AND SHIV NADAR UNIVERSITY, CHENNAI ON 3RD AND 4TH NOVEMBER 2022.

Faculty Coordinator

Head of the Department

AECE

Sponsored by TMB SATTVA

Mr.K.Sreeram Menon , II Year EIE won FIRST PRIZE in the event MAKE-A-THON conduted by SSN College– AY 2022-2023.

P.R.I.D.E ACHIEVEMENTS

MEENAKSHI COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, COA, Affiliated to Anna University, Chennai)
#12, Vembuliamman Koil Street, West K.K. Nagar Chennai - 600 078

BLITZ 2K22

CERTIFICATE OF WINNER

This certificate is awarded to Ms/Mr. C. ARUN RAJ
of EASWARI COLLEGE OF ENGINEERING has won FIRST prize
in the TECHNICAL QUIZ event held as part of the National Level
Technical Symposium "BLITZ - ETINCELLE 2K22", organized by the Department of
Electrical and Electronics Engineering & Electronics and Instrumentation Engineering
on 16th November 2022.

HOD/EEE
Dr.V.Srividhya

HOD/EIE
Mr.G.Venkatesan

u·n·i·q technologies

Principal
Dr.S.Ramamurthy

Mr. Arunraj has won First place in BLITZ-2K22 (Paper presentation) with a Cash prize of Rs.2000 at Meenakshi Engineering College, AY 2022-2023.

P.R.I.D.E ACHIEVEMENTS

Ms.E.Nivethita and Ms.P.Pavithra has won second place in BLITZ-2K22 (Paper presentation) with a Cash prize of Rs.1000 at Meenakshi Engineering College, AY 2022-2023.

P.R.I.D.E ACHIEVEMENTS

P.R.I.D.E ACHIEVEMENTS

EASWARI ENGINEERING COLLEGE

CONGRATULATIONS

to our Prize Winning Students & Mentors

TEAM CSE

TEAM AI & DS

SMART INDIA HACKATHON 2023

TWO TEAMS of

EASWARI ENGINEERING COLLEGE

have won the **FIRST PRIZE** & **THIRD PRIZE**

in the All India level

SMART INDIA HACKATHON 2023

with Cash Prize of

Rs. 1,00,000/-

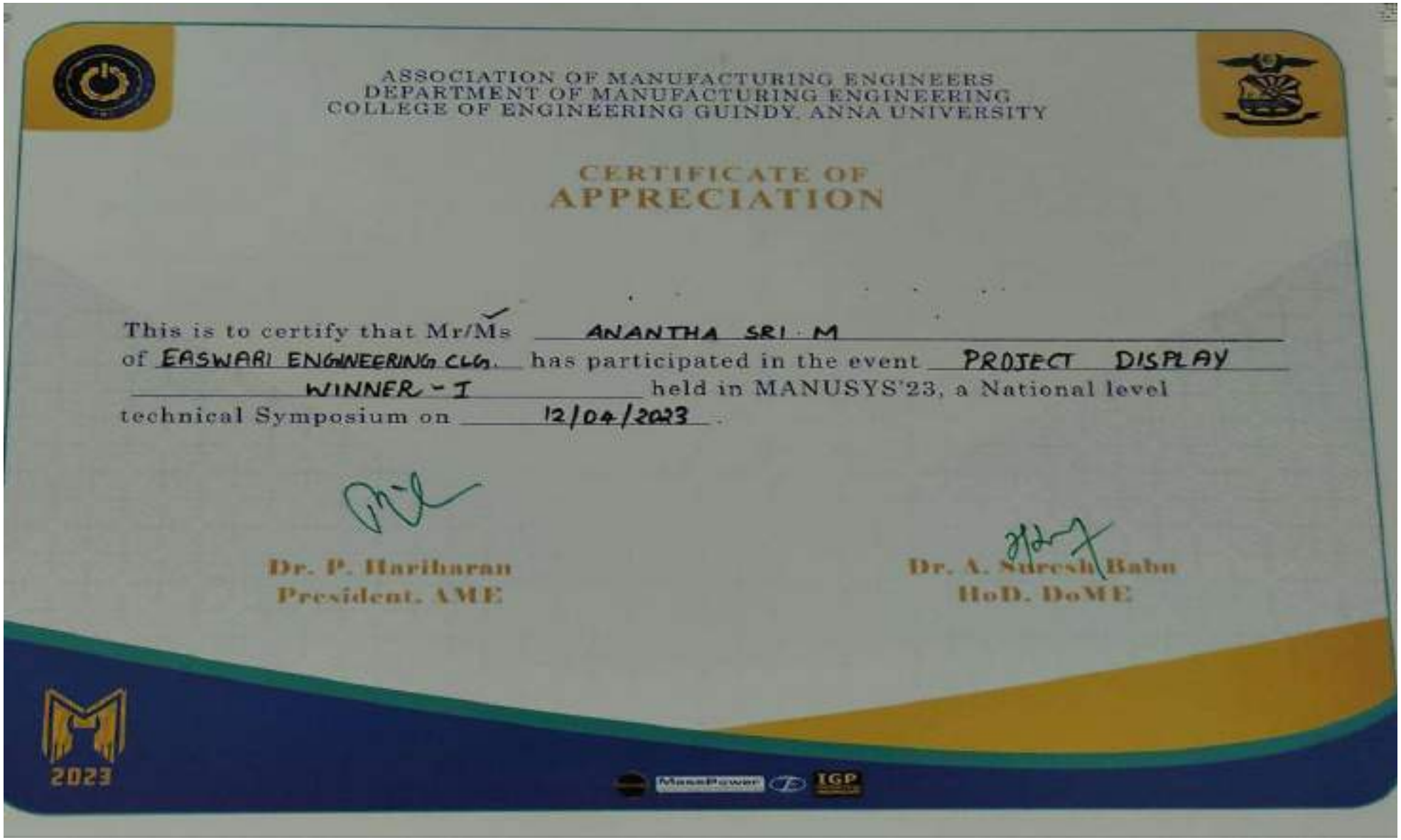
P.R.I.D.E ACHIEVEMENTS

National level Embedded Systems competition
Best Innovation Award - 16-04-2023

P.R.I.D.E ACHIEVEMENTS

Manusys- Project Display - Winners - 12-04-2023

P.R.I.D.E ACHIEVEMENTS



ASSOCIATION OF MANUFACTURING ENGINEERS
DEPARTMENT OF MANUFACTURING ENGINEERING
COLLEGE OF ENGINEERING GUINDY, ANNA UNIVERSITY

CERTIFICATE OF
APPRECIATION

This is to certify that Mr/Ms ANANTHA SRI M
of EASWARI ENGINEERING CLG. has participated in the event PROJECT DISPLAY
WINNER - I held in MANUSYS'23, a National level
technical Symposium on 12/04/2023.

Dr. P. Hariharan
President, AME

Dr. A. Suresh Babu
HoD, DoME

2023

P.R.I.D.E ACHIEVEMENTS

ISHRAE -won second prize - cash Rs. 30,000/- in National level Aquest Quiz-2024 event conducted by ISHRAE HQ, Delhi.

P.R.I.D.E ACHIEVEMENTS

Achievement award for contributing to ISHRAE National Student Activities at various level by National president ISHRAE.

P.R.I.D.E ACHIEVEMENTS

National Level Autonomous Drone competition-won 2nd prize and National Level CAD Design competition- won Second prize- 2024. Events organised by N.B.K.R. Institute of Science and Technology, Tirupati. Andhra Pradesh.

Thank you

07.04.2023

2.3.1 ICT-Use of various instructional methods and pedagogical initiatives

Quality teaching is the use of pedagogical techniques to produce learning outcomes for students. It involves several dimensions, including the effective design of curriculum and course content, a variety of learning contexts. The quality teaching prepares the students for entry to such an environment and equips them with appropriate skills, knowledge, values and attributes to thrive in it. There is a strong drive to build and create knowledge together with an understanding of working life and reformulate the concept of knowledge in learning situations. Pedagogy improves the overall quality of teaching by making the student more receptive during lessons. As a result, this enhances the student's level of participation and contribution during the learning process.

Few of the various pedagogical initiatives made to improve the quality of teaching-learning process are listed

- **Co-operative learning:** A method of instruction characterized by students working together to reach a common goal
- **Enquiry based instruction**: Prior intimation of the topic in the previous classes to the students for enquiry of the topic and asking the questions in the next class
- **Demo**: Demonstrating concepts in real-time.
- **Seminars**: Seminars are given by the students in recent trends.
- **Brain storming**: Given a topic and students think over it for new ideas .
- **Buzz group**: Formation of groups with 3-4 members in each and discussion on the Topic.
- **Animated videos**: Showing Animated videos to students.
- **Pictorial sessions:** Chart Preparation for better understanding.
- **Debate sessions:** Assigning a topic to the students and allow them to debate.
- **Quiz:** Asking Questions on the covered topic by forming the batches.
- **Role play:** Students are explored realistic situations by interacting with other people in a managed way in order to develop experience and trial different strategies in a supported environment.
- **Mind Mapping**: A mind map involves writing down a central theme and thinking of new and related ideas which radiate out from the centre.

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- **Flashcards:** A small note cards used for testing and improving memory through practiced information retrieval. Flashcards are typically two-sided, with the prompt on one side and the information about the prompt on the other.
- **Blended Learning** is an approach to education that combines online educational materials and opportunities for interaction online with traditional place-based classroom methods.

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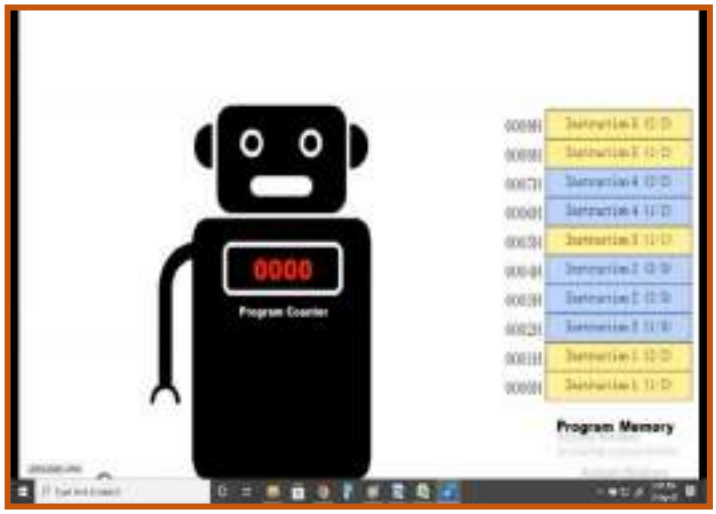
Collaborative learning

Role Play

Chart Preparation

Animated Video



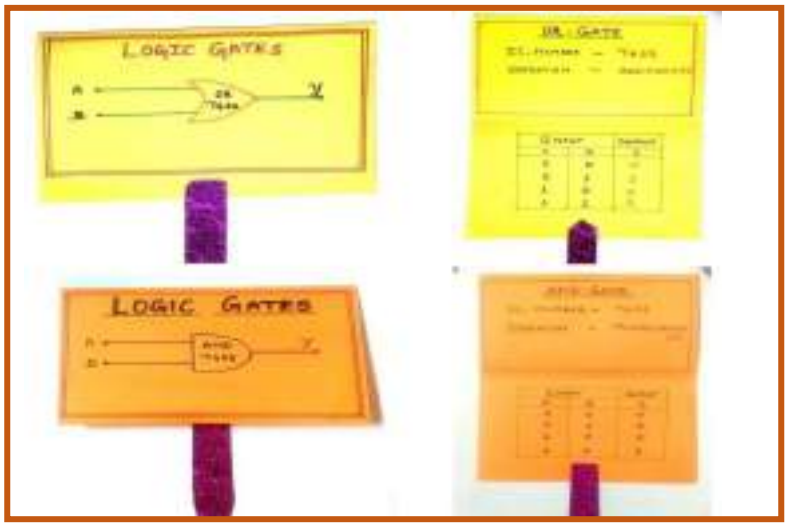
Brain Storming

Seminar By Students

Demonstration

Mind Mapping

Flash Cards



Debate

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Teaching Learning- Pedagogical Initiatives

Department of Information Technology

Academic Year 2022-2023(Even Semester)

S.No.	Faculty Name	Topic	Methodology Used	Target Audience	Date
1	Dr.N.Ananthi	Localization and Calling	Brainstorming	III IT A	22.02.23
2		IEEE 802.11	Cross word	III IT A	10.03.23
3		Satellite Systems	Animated Video	III IT A	10.04.23
4		MAC management	Flipped classroom	III IT B	19.04.23
5		MAC protocols	Role play	III IT B	22.4.23
6	Dr.A.K.Mariappan	List-Indexing and Reverse Indexing	Role Play	I IT A	10.02.23
7		Handling Exceptions	Role Play	I IT A	28.03.23
8		Data types	Quiz	I IT A	25.04.23
9		Handling Exceptions	Role Play	I IT A	10.03.23
10		Looping	Role Play	II IT A	18.05.23
11	Dr.M.Mohana	SQL Fundamentals, Advanced SQL Features	QUIZ	II IT A	08.02.23
12		Deadlock	Role Play	II IT A	20.03.23
13		XML Database	Animated Video	II IT A	28.04.23
14		Agile Methodologies	QUIZ	II IT A	15.03.23
15		Requirement validation, Use Cases – software requirement	Brainstorming	II IT A	13.4.23
16	Dr.V.Balaji	SQL Fundamentals, Advanced SQL Features	QUIZ	II IT B	08.02.23
17		Deadlock	Role Play	II IT B	28.03.23
18		XML Database	Animated Video	II IT A	28.04.23
19		Agile Methodologies	QUIZ	II IT A	15.03.23

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Teaching Learning- Pedagogical Initiatives

S.No.	Faculty Name	Topic	Methodology Used	Target Audience	Date
20		Requirement validation, Use Cases – software requirement	Brainstorming	II IT A	13.4.23
21	Mrs.S.Gnanapriya	Instructions	QUIZ	III IT A	01.02.23
22		Determine data path elements	Flipped Class Room	III IT A	20.03.23
23		2 dimension geometric Transformation	Hands on	III IT A	29.03.23
24		Memory Hi	Quiz	III IT A	04.04.23
25		MIPS Addressing Modes	Cross word Puzzle	II IT A	24.4.23
26	Mrs.M.Hema	Addressing Modes of PIC	Cross word Puzzle	III IT A	02.02.23
27		Baud rate selection	Technical Quiz	III IT A	20.02.23
28		Control Flow and component of ES	Flipped Classroom	III IT A	22.3.23
29		ARM Processor Instruction sets	Brain storming	III IT A	06.3.23
30		Domain specific IoT	GD	III IT A	10.04.23
31	Dr.K.Valarmathi	Instructions	QUIZ	III IT A	01.02.23
32		Determine data path elements	Flipped Class Room	III IT A	20.03.23
33		2 dimension geometric Transformation	Hands on	III IT A	29.03.23
34		Memory Hi	Quiz	III IT A	04.04.23
35		MIPS Addressing Modes	Cross word Puzzle	II IT A	24.04.23
36	Mrs.M.sowmiya	Alpha Beta Pruning	Demo	III IT A	02.01.23
37		Forward Chaining and Backward Chaining	Technical Quiz	III IT A	23.2.23
38		Decision tree	Bran storming	III T A	27.3.23
39		Expert system	Cross word	III IT A	4.4.23
40		Non monotonic Reasoning	Brainstorming	III IT A	02.3.23

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S.No.	Faculty Name	Topic	Methodology Used	Target Audience	Date
41	Mrs.P.Deepika	Alpha Beta pruning	Demo	III IT B	02.0123
42		Native Data Types	Quiz	Open Elective	31.01.23
43		Forward Chaining and Backward Chaining	Technical Quiz	III IT A	23.0223
44		Decision tree	Bran storming	III T A	27.03.23
45		Expert system	Cross word	III IT A	04.04.23
46	Mrs .B.Chandra	Addressing Modes of PIC	Cross word Puzzle	III IT A	13.02.23
47		List-Indexing and Reverse Indexing	Role Play	I IT B	10.02.23
48		Baud rate selection	Technical Quiz	III IT A	10.3.23
49		Handling Exceptions	Role Play	I IT B	10.3.23
50		Domain specific IoT	GD	III IT A	06.04.23
51	Mrs.K.Kausalya	Localization and Calling	Brainstorming	III IT B	23.02.23
52		IEEE 802.11	Crossword	III IT B	08.03.23
53		Satellite Systems	Animated Video	III IT A	10.04.23
54		MAC management	Flipped classroom	III IT B	19.04.23
55		Defect repository	Brainstorming	III IT B	29.04.23
56	Mrs.B.Sandhiya	Agile Methodologies	Peer Learning	II IT B	21.2.23
57		USE CASES	Brain storming	II IT B	10.03.23
58		Sequential diagram	GD	II IT B	29.3.23
59		Acceptance testing	Quiz	II IT B	9.04.23
60		Risk Identification	Role Play	II IT B	15.0423
61	Mr.K.Kumaran	Scripting enumeration	Brain Storming	III IT A	21.2.23

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S.No.	Faculty Name	Topic	Methodology Used	Target Audience	Date
62		SQL Injection	Technical Quiz	III IT A	09.03.23
63		Incident response	Brain storming	IV IT B	15.03.23
64		Forensic duplication	GD	III IT B	29.03.23
65		Hardware and Software tools	Quiz	IV IT B	09.04.23
66	Mr.S.S.L.Durai Arumugam	Scripting enumeration	Brainstorming	III IT A	21.02.23
67		SQL Injection	Technical Quiz	III IT A	09.03.2023
68		Incident response	Brain storming	IV IT A	15.03.23
69		Forensic duplication	GD	III IT B	29.03.23
70		Hardware and Software tools	Quiz	IV IT B	09.04.23
71	Mr.K.Ravindran	List-Indexing and Reverse Indexing	Role Play	I CIVIL	10.02.23
72		Handling Exceptions	Role Play	I CIVIL	09.03.23
73		UML Diagrams	Group Activity	II IT A	10.03.23
74	Ms.PM.Lavanya	Operating System Overview -Security Environment-	Quiz	III EEE & CSE	03.01.23
75		Practices for Administrators and Managers-	Group presentation	IV IT A	05.01.23
76		Data Encryption-	Brainstorming	IV IT A	09.01.23
77		Creating DLL Triggers with Oracle	Flipped classroom	IV IT A	12.01.23
78		General Survey: Data Mining Techniques-	Crossword	IV IT A	17.01.23
79	Dr.K.Johny Elma	Agile Methodologies	Peer Learning	II IT A	21.02.23
80		USE CASES	Brain storming	II IT A	10.03.23
81		Sequential diagram	GD	II IT A	29.03.23
82		Acceptance testing	Quiz	II IT A	9.04.23

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S.No.	Faculty Name	Topic	Methodology Used	Target Audience	Date
83		Risk Identification	Role Play	II IT A	15.04.23
84	Mrs.T.Saraswathi	functions	flipped classroom	ECE A SEC(1st year)	10.02.23
85		Tkinter Application	Animated videos	ECE A SEC(1st year)	11.03.23
86		Control structures	Charts	EIE (2nd Year)	28.03.23
89		standard template library	role play	EIE (2nd Year)	13.04.23
90		Looping	Brainstorming	EIE (2nd Year)	23.04.23
91	Dr.Praveena Rachael	Indexing	Role Play	ECE B (1st Year)	15.02.23
92		Handling Exceptions	Role Play	ECE B (1st Year)	10.03.23
93		Looping	Role Play	II IT C	18.05.23
94		Operation on Array	Brainstorming	II IT C	29.05.23
95		Recursion	Puzzle	II IT C	08.05.23
96	Mrs.Anusha	Mutability, aliasing	Mind map	ECE C (1st year)	07.02.23
97		Function prototyping, call by reference	Brainstorming	BME(2nd year)	08.02.23
98		Handling Exceptions	Role Play	ECE B (1st Year)	10.03.23
99		Operator and function overloading	Mind Map	BME(2nd year)	08.03.23
100		Exception handling mechanism	Role play	BME(2nd year)	05.04.23
101	Mrs.M.Anita	Indexing	Role Play	ECE B (1st Year)	15.02.23
102		Handling Exceptions	Role Play	ECE B (1st Year)	10.03.23
103		Looping	Role Play	II IT C	18.05.23
104		Operation on Array	Brainstorming	II IT C	29.05.23
105		Recursion	Puzzle	II IT C	08.05.23

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Academic Year 2022 -2023 (ODD Semester)

S.No.	Faculty Name	Topic	Methodology Used	Target Audience	Date
1	Dr.N.Ananthi	Introduction to packet switching	Technical Quiz	III IT B	01.09.22
2		Collision Detection in CSMA	Brainstorming	III IT B	09.09.22
3		Routing Protocol	Cross Words	III IT B	06.10.22
4		TCP Congestion Control	Technical Quiz	III IT B	22.11.22
5		E-Mail	Role Play	III IT B	29.11.22
6	Dr.A.K.Mariappan	Indexing	Role Play	Indexing	25.11.22
7		Handling Exceptions	Role Play	Handling Exceptions	08.01.23
8		Looping	Role Play	Looping	21.01.23
9		Operation on Array	Brainstorming	Operation on Array	10.02.23
10	Dr.M.Mohana	Software testing concept	Technical Quiz	III IT B	01.09.22
11		Frames and Forms	Demo	III IT B	2.09.22
12		Life Cycle -Servlet	Role Play	III IT A	13.10.22
13		Inter Thread communication	Mind Map	II IT A	16.11.22
14		Document Object Model	crossword	III IT A	01.09.22
15	Dr.V.Balaji	Java package HTML 5	Quiz	III IT A III IT B	30.8.22 30.8.22
16		collision Detection in CSMA Interface	Crossword Mind map	III IT A III IT B	01.09.22 06.09.22
17		Life Cycle -Servlet	Role Play	III IT B	12.10.22
18		Life Cycle -Thread	Role Play	II IT A	20.10.22
19		React JS	Word Puzzle	III IT B	16.11.22

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S.No.	Faculty Name	Topic	Methodology Used	Target Audience	Date
20		Inter Thread communication	Mind Map	II IT A	16.11.22
21	Mrs.S.Gnanapriya	Hadoop- Map Reduce	Role Play	III IT A	08.09.22
22		Quantile plot	Word Puzzle	III IT A	8.09.22
23		Boolean algebra simplification- laws	Mind Map	III IT A	01.09.22
24		Wega	Demo	III IT A	10.10.22
25		Inter Process communication	Mind Map	III IT A	16.1122
26	Mrs.M.Hema	System Calls Network Security Model	Quiz	IV IT A	29.8.22 30.8.22
27		Block cipher principles	Role Play	IV IT A	01.09.22
28		Page Replacement	Role Play	II IT A	12.10.22
29		Security of hash function and MAC –MD5	Nptel videos	IV IT A	13.10.22
30		Inter Process communication	Mind Map	II IT A	16.11.22
31		Pretty good Privacy	Group Discussion	IV IT A	01.11.22
32	Dr.K.Valarmathi	Network Security Model	Quiz	IV IT B	30.08.22
33		Deadlock	Role Play	II IT A	29.09.22
34		Block cipher principles	Role Play	IV IT A	01.09.22
35		Page Replacement	Role Play	II IT B	12.10.22
36		Security of hash function and MAC –MD5	Nptel videos	IV IT B	20.10.22
37		Inter Process communication	Mind Map	II IT B	16.11.22
38		Pretty good Privacy	Group Discussion	IV IT B	02.11.22
39	Mrs.M.Sowmiya	Queue	Role Play	II IT A	01.08.22

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S.No.	Faculty Name	Topic	Methodology Used	Target Audience	Date
40		Problem formulation and definition	Brainstroming	III MECH	07.09.22
41		Breadth First Search	Cross Word	II IT A	11.10.22
42		Predicate Logic	Brain Strom	III MECH	06.10.22
45		Knap sack problem	Quiz	II IT A	17.11.22
46		Expert System	Group Discussion	III MECH	10.11.22
47	Mrs.P.Deepika	Doubly Linked list	Role Play	II IT B	14.09.22
49		Queue	Role Play	II IT B	22.09.22
50		Problem formulation and definition	Brainstorming	III ECE	07.09.22
51		Depth First Search	Cross Word	II IT B	11.10.22
52		Predicate Logic	Brain Strom	III ECE	6.10.22
53	Mrs .B.Chandra	Basic 8086 processor	Quiz	III A and B	30.8.22
54		Knap sack problem	Quiz	II IT A	17.11.22
55		Expert System	Group Discussion	III MECH	10.11.22
56		No SQL Databases	QUIZ	III IT A	14.09.22
57		Stock Market Predictions	Group Discussion	III IT A	12.10.22
58		Association Ruke Mining	Demo on R	III IT A	14.11.22
59	Mrs.K.Kausalya	Data ware house Schema	Demo	III IT B	24.08.22
60		Basics Of Java	Quiz	II IT B	06.09.22
61		Data Mining Techniques	Brainstorming	III IT B	01.09.22
62		Exceptions	Brainstorming	II IT B	6.10.22
63		A priori Algorithm	Technical Quiz	III IT B	13.10.22

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Teaching Learning- Pedagogical Initiatives

S.No.	Faculty Name	Topic	Methodology Used	Target Audience	Date
64		Inter Thread communication	Mind Map	II IT A	16.11.22
65	Mrs.B.Sandhiya	Modern data analytics tools	Brain Storming	III IT B	01.08.22
66		Magnitude Comparator	Quiz	II IT B	08.09.22
67		Flip flops	Chart	II IT B	6.10.22
68		Design procedure of Asyn. Seq. Circuits	Brain Storming	III IT B	10.11.22
69		Error Detection and Correction	Quiz	III IT B	12.11.22
70	Mr.K.Kumaran	Data types,variables,operators,basic java programs	Technical Quiz	II IT B	08.08.22
71		Audit Committee	Group Discussion	IV IT B	01.09.22
72		Role of internal audit	Role play	IV IT A	15.9.22
73		Federal government information security	Brainstorming	IV IT A	6.10.22
74		Ethical dilemma	Animated video	IV IT A	01.11.22
75	Mr.S.S.L.Durai Arumugam	Different types of adder	Brain Storming	III IT A	15.8.22
76		Collision Detection in CSMA	Brainstorming	III IT A	09.09.22
77		Routing Protocol	Cross Words	III IT A	06.10.22
78		TCP Congestion Control	Technical Quiz	III IT A	22.11.22
79		E-Mail	Role Play	III IT A	29.11.22
80	Mr.K.Ravindran	Types of Cloud computing	Technical Quiz	III EIE ,MECH,ECE	09.0822
81		Virtualization	Mind map	III EIE ,MECH,ECE	19.09.22
82		Hypervisor	Quiz	III EIE ,MECH,ECE	18.11.22
82		Cloud security	Group Discussion	III EIE ,MECH,ECE	25.11.22

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S.No.	Faculty Name	Topic	Methodology Used	Target Audience	Date
83		Opennebula	Demonstration	III EIE ,MECH,ECE	27.11.22
84	Ms.PM.Lavanya	different types of adder	Brain Storming	IV IT A	15.08.22
85		Audit Committee	Group Discussion	IV IT B	01.09.22
86		Role of internal audit	Role play	IV IT B	19.09.22
87		Federal government information security	Brainstorming	IV IT B	06.10.22
88		Ethical dilemma	Animated video	IV IT B	01.11.22
89	Dr.K.Johny Elma	IOT, Cloud Application Development Use cases	Brainstorming	IV IT A	29.08.22
90		Empathy Map	Mind map	IV IT A	19.09.22
91		virtualization	Quiz	IV IT A	26.09.23
92		Nalaiya Thiran Project Phase II	Brain storming	IV IT A	12.10.22
93		Problem Solving Methodology	Team Building (Idea Pitch)	I Auto	25.11.22
94	Mrs.T.Saraswathi	Overview of C++ programming	Quiz	II RAE	01.08.22
95		virtual function, This pointer	Animated videos	II year RAE	22.09.22
96		polynomial manipulation	animated videos	II year RAE	20.10.22
97		Circular tour	Role play	II year RAE	16.11.22
98		Inter Thread communication	Mind Map	II IT A	20.11.22

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Teaching Learning- Pedagogical Initiatives

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

S. No	Staff Name	Topic	Methodology Used	Target Audience	Date
1	Mrs.V.Nirmala	Deadlock	Brainstorming	Students	13.09.2022
2	Mrs.K.P.Revathi	Polymorphism	Crossword puzzle	Students	15.10.2022
3	Dr. J. Vijayaraj	Data Science Tools	Quiz	Students	23.09.2022
4	Ms.A.Rohini	Placement Training	Quiz	III Year AI&DS Students	25.11.2022
5	Ms.A.Rohini	Python Basics	Quiz	I Year AI&DS	28.11.2022
6	Ms.G.Sivasathiya	Problem Solving through Python Programming	Quiz	I Yr Students	06/01/2023
7	Ms.A.Rohini	Problem Solving through Python Programming	Mind Mapping activity	I Yr Students	18/01/2023
8	Ms.G.Sivasathiya	Functions, Strings & List	Offline - Quiz	I Yr Students	16/2/2023
9	Ms.A.Rohini	Placement Scenario based questions in Python	Conducted Placement Training	III Yr Students	18/2/2023
10	Ms.A.Rohini	Python List, Tuples & Set	Techfind method was conducted	I Yr Students	23/2/2023
11	Ms.T.Kalaiselvi	Machine Learning Techniques	Mind Mapping	III Yr Students	15/2/2023
12	Ms.A.Rohini	Factorial of a Number using Recursion	Uploaded YouTube Video	All – Social Media	22/2/2023
13	Ms.A.Rohini	Multidimensional Arrays	Perspicacity Set 1	I Yr Students	28/2/2023
14	Ms.K.P.Revathi	Problem Characteristics a method to solve	Animation Video	III Yr Students	27/1/2023
15	Ms.K.P.Revathi	Genetic Algorithm	Peer Learning	III Yr Students	6/2/2023
16	Dr.J.Vijayaraj	Different Data Science Roles	Flowchart	II Yr Students	7/2/2023
17	Ms.K.P.Revathi	ACID Properties	Animation Video	II Yr Students	27/2/2023
18	Dr.V.Nirmala	Algorithm and Analysis	Crossword	II Yr Students	3/2/2023
19	Dr.J.Vijayaraj	HTML	Mind Mapping	III Yr Students	13/2/2023
20	Ms.K.P.Revathi	Application of NOSQL DB	Peer Discussion	III Yr Students	14/2/2023

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21	Dr.V.Nirmala	Exploratory Data Analysis	Computational Practice	III Yr Students	15/02/2023
22	Dr.J.Vijayaraj	Different Statiscal Approached in Data Transformation	Flash Cards	II Yr Students	17/2/2023
23	Dr.V.Nirmala	Pseudocode VS Programming	Debate	II Yr Students	21/2/2023
24	Dr.V.Nirmala	Data Visulaization Vs Information Visualization	Debate	III Yr Students	21/2/2023
25	Dr.J.Vijayaraj	Data Science	Quiz	II Yr Students	22/2/2023
26	Dr.J.Vijayaraj	Java Script Programming	Flash Cards	III Yr Students	25/2/2023
27	Ms.A.Rohini	CAT 2 portions (3 Years University Question Papers)	CAT 2 Preparatory test was conducted	I Yr Students	09/03/2023
28	Ms.G.Sivasathiya	Exceptions	Mind Mapping	I Yr Students	6.3.2023
29	Ms.T.Kalaiselvi	Machine Learning Techniques	Mind Mapping	III Yr Students	7/3/2023
30	Ms.K.P.Revathi	Fuzzy Inference	Animation Video	II Yr Students	8.3.2023
31	Ms.G.Sivasathiya	Exceptions	Mind Mapping	I Yr Students	6.4.2023
32	Dr.V.Nirmala	Visualization Analysis	Mind Mapping	III Yr	29/03/2023
33	Dr.J.Vijayaraj	Different Visualization Libraries and Tools Usage	Kahoot Quiz	II Yr Students	08/04/2023
34	Dr.V.Nirmala	Different Algorithm design methods	Mind Mapping	II Yr Students	11/04/2023
35	Dr.J.Vijayaraj	Concepts Of Web Server and Other Web Essentials	Kahoot Quiz	III Yr Students	14/04/2023
36	Ms.T.Kalaiselvi	Distance Based Models & Tree Models	Debate	III Yr Students	18.4.2023
37	Dr.V.Nirmala	Correlation and Multivariate Analysis	Quiz	III Yr Students	19/04/2023
38	Ms.K.P.Revathi	Fuzzy Inference	Animation Video	II Yr Students	20.4.2023
39	Dr.V.Nirmala	Information Dashboard Design	Crossword	III Yr Students	21/04/2023
40	Dr.V.Nirmala	Branch & Bound, Backtracking Methods	Quiz	II Yr Students	26.04.2023
41	Dr.J.Vijayaraj	Diagramatic description of different plots	Image Clues	II Yr Students	30/04/2023
42	Dr.V.Nirmala	Iterative Improvement method	Problem Solving	II Yr Students	02/05/2023

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Teaching Learning- Pedagogical Initiatives

43	Dr.V.Nirmala	Dashboard Design	Animation Video	III Yr Students	03/05/2023
44	Dr.V.Nirmala	Branch and Bound Method	Word Search Puzzle	II Yr Students	09/05/2023
45	Dr.J.Vijayaraj	Diagramatic description of different web architectures	Image Clues	III Yr Students	13/05/2023
46	Ms.G.Sivasathiya	Types of Learning - Which one suits the current technology	Debate	III Yr Students	03/02/2023
47	Ms.G.Sivasathiya	Monte Carlo prediction and Dynamic Programming	Offline - Quiz	III Yr Students	18/04/2023
48	Ms.G.Sivasathiya	Temporal Difference and its types	Mind Map	III Yr Students	25/04/2023
49	Ms.K.P.Revathi	Problem Characteristics and method to solve	Animated Video	II Yr Students	27.01.2023
50	Ms.K.P.Revathi	Genetic Algorithm	Peer Learning	II Yr Students	06.02.2023
51	Ms.K.P.Revathi	Support Vector Machine	Animated Video	II Yr Students	30.03.2023
52	Ms.K.P.Revathi	Reinforcement Learning	Crossword Puzzle	II Yr Students	06.04.2022
53	Ms.K.P.Revathi	AI Application	Quiz	II Yr Students	24.04.2023
54	Ms.K.P.Revathi	Opportunities and fields of AI	Group Discussion	II Yr Students	27.04.2023
55	Ms.K.P.Revathi	NoSQL Operations	Brain storming	III Yr Students	27.03.2023
56	Ms.K.P.Revathi	Amazon simple DB	Mind mapping	III Yr Students	20.04.2023
57	Ms.K.P.Revathi	Advanced NoSQL	Mock Quiz	III Yr Students	24.04.2023
58	Ms.K.P.Revathi	Real-time Applications of NoSQL DB	Group Discussion	III Yr Students	03.05.2023
59	Mrs.T.Kalai Selvi	Threat,Harm, Attach and Vulnerability	Mind Mapping	III Yr Students	22.02.2023
60	Mrs.T.Kalai Selvi	Security in operating system & Networks	Crossword Puzzle	III Yr Students	01.03.2023
61	Mrs.T.Kalai Selvi	Computer security, Security in OS and Privacy in cyber Space	Technical Quiz	III Yr Students	29.03.2023
62	Mrs.T.Kalai Selvi	Defence : Security Couter Measures	Debate	III Yr Students	21.04.2023
63	Mrs.T.Kalai Selvi	Machine Learning Techniques	Mind Mapping	III Yr Students	15.02.2023
64	Mrs.T.Kalai Selvi	Linear Classification, Linear Models	Crossword Puzzle	III Yr Students	20.03.2023

65	Mrs.T.Kalai Selvi	Distance based model and Tree model	Debate	III Yr Students	04.04.2023
66	Mrs.T.Kalai Selvi	Rule based Models and Bayesian Learning	Technical Quiz	III Yr Students	20.04.2023

DEPARTMENT OF ROBOTICS AND AUTOMATION

Pedagogical Initiative for Effective Teaching – Academic Year 2022-2023

S. No.	Staff Name	Topic	Methodology Used	Target Audience	Date
1.	Dr. V. Elango	Automated System	Rapid Quiz	II Year	26.09.2022
		Part Classification and Coding	Flash Card	II Year	07.10.2022
		Robot Control System	Video Lecture	II Year	24.11.2022
2.	Dr. M. Madhan	Robot Joints and Classifications	RoboAnalyser – open source software	III Year	26.08.2022
		Sensors	NPTEL Video Lecture	III Year	01.09.2022
		Shear force and bending moment	Animation	II Year	15.09.2022
		Bending stresses in beams	Questioner session	II Year	28.09.2022
		Macaulay's method derivations and problems	Animation	II Year	08.10.2022
		Wrist and arm singularity	RoboAnalyser – open source software	III Year	11.10.2022
		Rankine's formula for column	Quiz	II Year	26.10.2022
		Path Planning	ABB Robotstudio	III Year	01.11.2022
		Force control in a Robot	Video Lecture	III Year	29.11.2022
		Maximum shear force in spring	Questioner session	II Year	30.11.2022
		Needs of automation	Debate	III Year	03.02.2023
		Mechatronics – Possible design solutions	Quiz	III Year	15.02.2023
		Gear trains	Model based explanation	II Year	03.03.2023
		Drive system for CNC Machine tools	Animations	III Year	09.03.2023
		AS/RS, RFID System	Animations	III Year	03.04.2023

		Force analysis and Flywheel	Quiz	II Year	05.04.2023
		Balancing of Masses	Animation	II Year	18.04.2023
		Automated assembly line	Video Lecture	III Year	25.04.2023
		Vibration	Experimental explanation	II Year	03.05.2023
3.	Dr. S. Santhosh	Projection of Solids	Model based Learning	I Year	17.02.2023
		Section of Soilds	Debate on solids and its applications of engineering drawing	I Year	07.10.2022
4.	Dr. Arun Joseph	Understanding open loop system	Simulation	II Year	22.03.2023
		Mathematical modelling	Simulation	II Year	22.03.2023
		PID controller	Simulation	II Year	22.03.2023
		IoT	Project-based Learning	III Year	10.03.2023
		Introduction to I 4.0	Quiz session	III Year	11.03.2023
		Wireless communication	Project-based Learning	III Year	22.03.2023