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St. JOSEPH'S COLLEGE OF ENGINEERING
(An Autonomous Institution)
St. JOSEPH'S GROUP OF INSTITUTIONS
OMR, CHENNAI - 119



NEWSLETTER



DEPARTMENT OF EIE-JULY '24

OUR PATRONS



Dr. B. Babu Manoharan

M.A.,MBA.,Ph.D

Chairman



Mr. B. Shashi Sekar

M.Sc.,INTL.Business

Managing Director



Mrs. S. Jessie Priya

M.Com

Executive Director



Dr. Vaddi Seshagiri Rao

M.E.,M.B.A., Ph.D

Principal

VISION:

To make every student of the department irrespective of his/her social, cultural background and learning abilities gets a fair chance in mastering the various fields of Electronics and Instrumentation to become a proficient individual for the empowerment of society.

MISSION:

- To Prepare students to understand recent technologies in Electronics and Instrumentation Engineering effectively and adapt themselves in an ever-changing environment.
- To impart excellent computing knowledge to students by providing well equipped facilities and state of the art systems.
- To prepare students with excellent leadership skills, management capabilities and ethical understanding for successful career.

CONTENTS

- *Student Achievements*
- *NGO Visit*
- *Alumni Talk*
- *Internship*
- *SEERA*
- *ISA Event*
- *Staff Achievements*

STUDENT ACHIEVEMENTS

We are proud to state that 11 of II YR EIE have secured above 8.5 CGPA in the university examinations held till May 2024.



JAYA PRIYA T
CGPA - 9.52
312322107015



SRINIDHI A S
CGPA - 9.00
312322107052



DHARSHINI SHIVANI B
CGPA - 8.87
312322107006



PAVITHRA V
CGPA - 8.78
312322107031



HANATHIKA T
CGPA - 8.72
312322107011



SIJO DEVASSY V J
CGPA - 8.68
312322107047



SRIDHARSHINI M
CGPA - 8.67
312322107051



KAUSHIK B
CGPA - 8.66
312322107021



KALAIARASI C M
CGPA - 8.64
312322107018



PRAVEEN KUMAR S
CGPA - 8.61
312322107033



DHEEPIGHA G
CGPA - 8.52
312322107007

☆☆ Conguratulations ☆☆☆

STUDENT ACHIEVEMENTS

We are proud to state that 9 of III YR EIE have secured above 8.5 CGPA in the university examinations held till May 2024.



PAID INTERNSHIP:

We are thrilled to state that 5 of our students underwent paid internship during the summer break. The details are as follows.

S.No	Name of the Student	Name of the Company/Orgainsation
1	Surya Kumar R	IIT Kharagpur
2	Abinesh N	TOCO India, Erode
3	Pradeep Kumar R	Lenovo, Pondicherry
4	Sudharshan	Lenovo, Pondicherry
5	Gomathi U	Lenovo, Pondicherry

NGO VISIT



SPREADING JOY AT APPA AMMA OLD AGE HOME: A HEARTWARMING VISIT

At Helping Hands NGO, we believe in the power of community and compassion. Recently, our team had the privilege of visiting the Appa amma Old Age Home, and it was an experience filled with joy, learning, and heartfelt connections.

A DAY OF CONNECTION AND JOY:

On 20 July, our pre-final year students arrived at the Appa amma Old Age Home, greeted by the warm smiles of the residents and staff. The atmosphere was filled with anticipation and excitement as we prepared to spend the day engaging in various activities.

ACTIVITIES AND ENGAGEMENT:

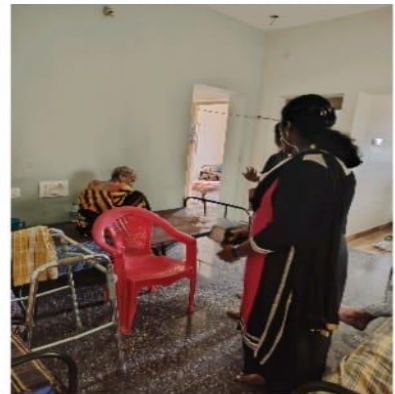
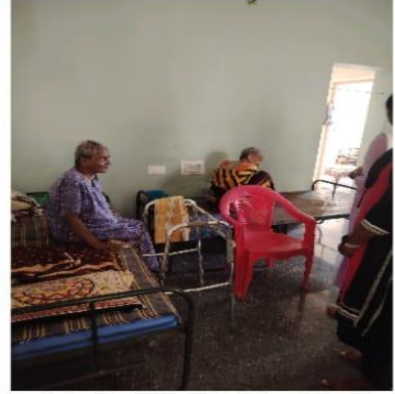
We organized a range of activities designed to entertain and involve the residents. Music brought everyone together as we sang classic songs, creating a lively and harmonious environment. Storytelling sessions allowed us to hear fascinating tales from the residents' pasts, offering glimpses into their rich histories.

SHARING A MEAL:

One of the most special moments of the day was sharing a meal together. We brought food prepared at our college and shared it with the residents. The communal meal created a warm, family-like atmosphere, fostering deeper connections and conversations. Sharing food bridged generational gaps and allowed us to connect on a personal level, creating a sense of unity and belonging.

The Impact on Residents

The visit had a profound impact on the residents. Their faces lit up with happiness, and their expressions of gratitude were deeply touching. The staff at Appa amma Old Age Home noted a positive shift in the residents' mood, emphasizing how such interactions break the monotony and bring a sense of excitement and companionship into their lives.



ALUMNI TALK

The department recently hosted a series of insightful alumni talks, providing our students with valuable guidance and real-world perspectives from distinguished graduates. These events showcased the diverse career paths and expertise of our alumni, offering current students a deeper understanding of the industry and practical advice for their future careers.

1. Navigating the Core Field of Electronics and Instrumentation

The first talk featured padmavasan, who is currently making significant contributions at Gulf SPIC General Trading Company. He provided an in-depth look into the core field of electronics and instrumentation, covering essential topics such as:

- **Fundamental Concepts:** Understanding key areas like circuit design, control systems, and instrumentation techniques.
- **Essential Skills:** Developing technical proficiency, problem-solving abilities, and adaptability.
- **Career Pathways:** Educational requirements, internships, certifications, and continuous learning.

Students left the session with a clearer vision of how to approach their careers in this specialized field, equipped with practical advice and industry insights.

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Department of
Electronics and Instrumentation Engineering

Alumni Talk
Opportunities in Core Industries

Mr. Padmavasan
Gulf Spic General Trading &
Contracting co W.L.L, Fahaaheel,
Kuwait
**Instrument Trainee-Design
Engineering**

24/07/2024
11:45 AM - 12:45PM

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2. Preparing for Placements and Approaching Opportunities

The second talk was given by Sankarguru, a IT professional at Avasoft, who shared strategies on preparing for placements and approaching job opportunities. Key highlights included:

- **Resume Building:** Crafting an impactful resume tailored to specific roles.
- **Skill Development:** Enhancing technical and soft skills through projects and certifications.
- **Networking and Research:** Leveraging professional networks and researching potential employers.
- **Interview Preparation:** Practicing common interview questions and scenarios.

The session provided students with actionable tips to improve their placement prospects and navigate the job market effectively.



3. Trends and Opportunities in the Software Industry

In our third event, Sharon Abishek, a Trainee Decision Scientist at Musigma, discussed emerging trends and career opportunities within the software industry. The talk covered:

Emerging Trends: AI and ML advancements, cloud computing, cybersecurity, and Agile development.

Career Opportunities: Roles in software development, data science, project management, and UX design.

- **Skills and Qualifications:** Technical skills, problem-solving abilities, and the importance of continuous learning.
- **Practical Advice:** Building a portfolio, networking, and pursuing relevant certifications.

Students gained valuable insights into the evolving software industry and how to position themselves for success.

A Look Ahead

These alumni talks have been a tremendous success, offering our students practical guidance and inspiration as they prepare for their careers. The Department of Electronics and Instrumentation Engineering is committed to organizing similar events in the future to continue bridging the gap between academic learning and industry practice.

We encourage students to engage with our alumni network and participate in upcoming events to gain further insights and build professional connections. Your involvement is key to your career development and success.

Thank you to all our alumni for sharing your expertise and experiences, and to our students for your enthusiasm and engagement. Together, we continue to build a supportive and dynamic community.

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Department of
Electronics and Instrumentation Engineering

PLACEMENT TALK

Trends & Opportunities in
Software Industries

SHARON ABISHEK S
Trainee Decision Scientist 2
Musigma
Batch:2018-2022

<https://meet.google.com/odd-sdwd-dbo>

23 JULY, 2024 06:00 PM

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PLACEMENT TALK

Trends & Opportunities in Software Industries

SHARON ABISHEK S
Trainee Decision Scientist 2
Musigma
Batch:2018-2022

23 JULY, 2024 06:00 PM - 07:00 PM

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INTERNSHIP

An internship is a pivotal experience that bridges the gap between academic learning and professional practice. It typically involves a temporary position within an organization where students or recent graduates can gain practical work experience in their field of study or interest. Internships serve several crucial purposes for both interns and organizations. Overall, internships are a mutually beneficial arrangement where interns gain practical skills and industry exposure, while organizations gain fresh talent and potential future employees. 26 students of II Year EIE had undergone internships during their summer break that spans about 15 days.

For interns, they provide:

- Hands on Experience
- Skill Development
- Networking
- Resume Building
- For organizations, interns bring fresh perspectives, enthusiasm.
- willingness to learn that can benefit the company in various ways
- Talent Pipeline
- Additional Resources
- Diverse Perspectives
- Corporate Social Responsibility

The companies that offer internships include some Institutes of National Importance such as

- CSIR – CSIO
- Ramco Cements
- NLC, Neyveli
- DCW
- Ashok Leyland
- Zoho

The details are as follows:

Name Of The Student	Company Name
Gayatri K	Ascent Circuits Pvt Ltd,Hosur
Rohinth E	Ramco Cements Pvt Ltd Company, Ariyalur
Merline Shiny A	Elusiyum Corporate Company,Madurai
Pavithra K	HDLC Technologies ,Chennai
Jenisha Ivangchaline. S	NLC,Neyveli
Regan Raj A	CSIR-CECRI,Karaikudi
Harshavel V	Genesis Placements Consultancy,Chennai
Srinidhi .A.S	NLC,Neyveli
Ruffino Rio Fernando J	DCW,Tuticorin
Pavithra V	Fusion Connect Software Solutions Private Limited,Chennai
M Roshini	Fusion Connect Software Solutions Pvt Ltd,Chennai
Kalaiarasi C M	Hetero Drugs Ltd.,Bangalore
Sridharshini M	Ashok Leyland,Hosur
Sudarsan J	Sansal Instruments,Chennai
Savitha M	CSIR-CSIO,Taramani
Dharshini Shivani B	Zoho
Priyadharshini R	Hospicare Surgical Company ,Chennai
Tanish Lal O	Hospicare Surgical Company, Chennai
Kaushik B	Guru Engineering,Chennai
Rohith Sarugash M	Hospicare Surgical Company, Chennai
Sajith Vishwa S	Hospicare Surgical Company , Chennai
Syed Imthiyaz S	Pepperl And Fuchs Manufacturing India Pvt Ltd ,Chennai
Syed Imthiyaz S	Hospicare Surgical Company, Chennai
Smith Newton K	Venus Home Appliances Pvt Ltd,Tuticorin
Dhanush G	Hospicare Surgical Company, Chennai
Sijo Devassy V J	Hospicare Surgical Company, Chennai
Ramasamy Karthick M	Southern Petrochemical Industries Corporation,Tuticorin

SEERA ACTIVITIES

SEERA Classes for III and IV year has been planned to be conducted on Monday and Wednesday of every week respectively. This month's SEERA classes had been conducted on July 15,22,& 29, 2024 for IV year and 18,24 & 31 , 2024 for third year.



On July 15, 22 and 29, 2024 the entire IV year had been categorized into 5 different groups and the students have been given the training accordingly.

On 15th they have been trained on Data Structures on 22nd training was on Project Management and 29th they have been trained on Machine Learning tools and techniques.

Around 40 students are trained and among the remaining 7 were trained either for higher studies and 7 were provided coaching to clear their arrears.

On July 18, 24 and 31, 2024 the entire IV year had been categorized into 5 different groups and the students have been given the training accordingly.

On 18th they have been trained on Kicad software and on 24th training was on Web development and 31st they have been trained on Industrial Automation.

Around 32 students are trained and among the remaining 10 were trained either for higher studies and 12 were provided coaching to clear their arrears.

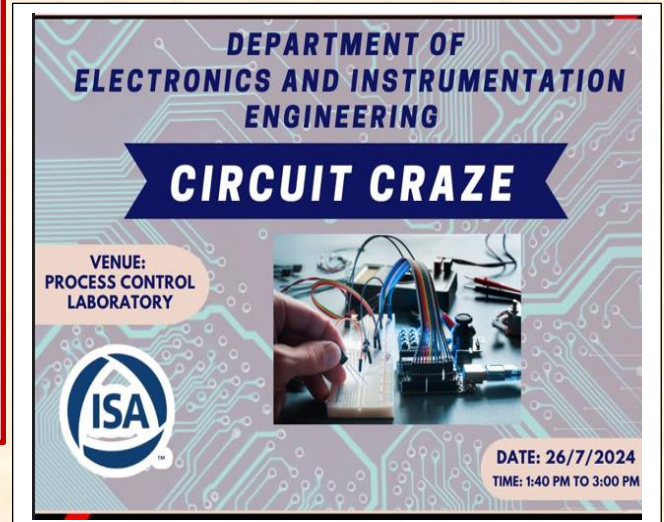
During the first session, our staff Dr.SenthilKumar delivered an in-depth presentation on KiCad software to final-year students during a SEERA class. He began by introducing KiCad as a powerful, open-source electronic design automation (EDA) tool widely used for creating schematics and designing printed circuit boards (PCBs).

During the 2nd session, Ahila of final year explained the key features and functionalities of Web development, such as its front end window and backend tool, and their capabilities. She demonstrated how to create and edit schematics, add and manage various components, and design complex layouts with intuitive interfaces.

During the third session Dr. Vijayan and Mr D Sankaran demonstrated various techniques in industrial automation . The presentation equipped the students with valuable knowledge and hands-on skills in using Siemens PLC, preparing them for future endeavors in Industrial design and engineering.

CIRCUIT CRAZE

We are excited to share the highlights from the recent Circuit Debugging Quiz organized by the International Society of Automation (ISA). The event, which took place on July 26, 2024, was a remarkable opportunity for student participants to test and showcase their circuit debugging skills.



Event Overview

The Circuit Debugging Quiz was designed to challenge participants with real-world problems and scenarios related to circuit design and troubleshooting. The event attracted a diverse group of students, professionals, and enthusiasts eager to demonstrate their expertise and problem-solving abilities.

Top Performers

We are proud to highlight the outstanding achievements of the top performers:

- **REGAN RAJ, MOHAN SHREE, STALIN, THIGIL RAJ** have Secured First Place
- **KARTHICK RAJA, SIJO, SINGARVEL, SYED** have Secured Second Place
- **DHEEPIGHA, JENISHA, SIVARANJINI, SRINIDHI** have Secured Third Place

The Circuit Debugging Quiz was a successful and enriching experience for everyone involved. It highlighted the practical application of theoretical knowledge and offered participants a chance to showcase their problem-solving skills in a competitive setting.



FACULTY DEVELOPMENT PROGRAMS

The primary goal of a Faculty Development Program (FDP) is to enhance the teaching, research, and administrative skills of faculty members. These programs are designed to support faculty in their professional growth, ensuring they can provide high-quality education and contribute effectively to their institutions.

We take privilege in stating that all our staff members equip themselves during Summer and winter breaks. During this summer break six of our faculty members underwent various training programs. The details are listed below.

S.No.	Name of the Faculty	Nature of the Program	Name The Course	Period	Place
1	Dr.P.Deepa	FDP	AI and Machine Learning	18-6-2024 to 5-7-2024	St.Joseph's College of Engineering Placement Block
2	Dr.R.Kotteeswaran	FDP	AI and Machine Learning	18-6-2024 to 5-7-2024	St.Joseph's College of Engineering Placement Block
3	Dr.V.Vijayan	FDP	AI and Machine Learning	18-6-2024 to 5-7-2024	St.Joseph's College of Engineering Placement Block
4	Dr.C.N.Gnanaprakasam	FDP	AI and Machine Learning	18-6-2024 to 5-7-2024	St.Joseph's College of Engineering Placement Block
5	Mr.D.Sankaran	FDP	AI and Machine Learning	18-6-2024 to 5-7-2024	St.Joseph's College of Engineering Placement Block
6	Dr.V.Vijayan	Workshop	Two days Workshop on Advanced topics in AI	10-06-2024 to 11-06-2024	Center for Faculty and Professional Development, Anna University, Chennai- 600 025
7	Dr.B.Senthil Kumar	Workshop	Two days Workshop on Advanced topics in AI	10-06-2024 to 11-06-2024	Center for Faculty and Professional Development, Anna University, Chennai- 600 025
8	Mr.D.Sankaran	Workshop	Cyber security Essentials	28-7-2024	Nasscom FutureSkills Prime, Cisco Networking Academy
9	Mr.D.Sankaran	Webinar	AI and Google tools in Education	31-7-2024	Dynamics Mind group

