



J.J.COLLEGE OF ENGINEERING AND TECHNOLOGY

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(Sowdambikaa Group of Institutions)



VOLUME 1, ISSUE 1

FEBRUARY-2023



Institution Making Students Ready for “Industry 4.0”

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

**Editorial
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J.J.C.E.T NEWS



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

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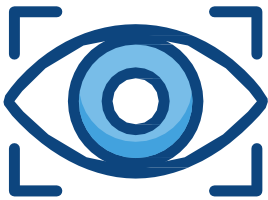
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Department of EEE

OUR MILESTONES

VISION



To provide students with high quality education so that they are well-prepared to become high caliber Electrical and Electronics Engineers, and it aspires to grow to the level of gaining global recognition.

- To develop competent technocrats who strive continuously in pursuit of professional excellence in the field of Electrical and Electronics Engineering.
- To develop and sustain a culture of research while promoting values, ethics and professionalism.
- To offer well-balanced curriculum to help students acquire professional competencies and to arrange placements for students.
- To develop state-of-art infrastructure and research for effective teaching-learning process.
- Strengthening of soft skills especially for rural students through co-curricular and extra-curricular activities.

MISSION



FROM THE DESK OF PRINCIPAL



Dr. P. Mathiyalagan
Principal

Dear Students and Faculty Members,

Today we live in a fast-changing complex society which presents both challenges and opportunities. In this circumstance, it all depends on each individual how he/she responds to the situation with the right mental attitude. This shall happen only by educating them appropriately, not just to be employment seekers, but also to be employment creators and innovators. To ensure this, our college has established high quality and sophisticated infrastructure with an excellent academic ambience which will enrich progressive technical education. We are providing ample training on the development of engineering skills leading to participation in national and international competitions.

With this concern, I would like to appreciate Faculty members and students from the Department of Electrical and Electronic Engineering for publishing research articles in SCI & Scopus indexed Journals and organizing various National Level Technical events & workshops. I also congratulate the zonal level sports winner-up students. Hoping for your best achievements in the upcoming months.

Best Wishes,
Dr.P.Mathiyalagan
Principal
J.J.College of Engineering and Technology, Trichy

MESSAGE FROM THE EDITOR'S DESK



Prof. Y. Mohammed Badcha
HOD/Dept. of EEE

Dear Readers,

It is indeed a great honor to be the Newsletter Editor for our Electrical and Electronics Engineering department, J.J. College of Engineering and Technology and it is an immense pleasure to launch this first edition for February 2023.

In this issue, we will recount the various technical level events & workshops organized and the publications achievements of faculty and students' activities. We also congratulate the students who have achieved in Anna University Zonal level sports meet.

I like to thank our Principal sir Dr.P.Mathiyalagan, for his constant encouragement to attain this success and also congratulates our department team members for their hopeful support and contributions.

With Regards,
Prof.Y.Mohammed Badcha
HOD/Dept. of EEE
J.J.College of Engineering and Technology, Trichy

MAJOR EVENTS

(Institute level/Department level)



LECTURE CUM HANDS ON TRAINING

 **J.J. College Of Engineering And Technology**
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Department of
Electrical & Electronics
Engineering

Organizes
**"A Special Lecture
Cum
Hands On Training"**
On the Topic
**"Basic Ideas for Research
Article Writing"**

Date: 20th August 2022 (Saturday)
Venue: Computer Lab (Admin Block)

Event Conveyor	Resource Persons	Organizing Committee
Mr. Y. Mohammed Badcha HoD EEE -JJCET	Dr. D. Nalini, ASP- EEE Mrs. P. Bathi Devi, AP- EEE Mr. S. P. Sureshraj, AP- EEE	Ms. M. Priya, ASP- EEE Mr. G. Sundharajan, ASP- EEE Mr. S. Muthuveerapan, ASP- EEE Mr. P. John Brito, AP- EEE Mr. S. Karthikeyan, AP- EEE

*For all Participants E-Certificate & Refreshment will be Provided

JJCET All Students can Participate with
FREE Registration

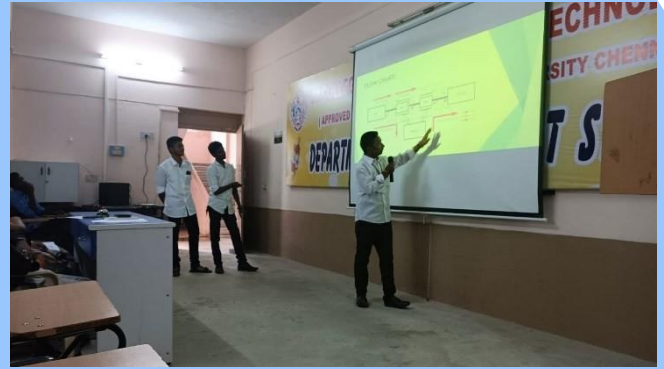
For the odd semester, the departmental technical event "A Special Lecture Cum Hands on Training" on the topic Basic Ideas for Research Article Writing for Final and third year students held on 20 August 2022, Saturday at Computer lab (Admin Block) JJCET campus.

The event was engaged for the whole day, from morning 10 am to 12 pm lecture session about the important of research and how to write a research article was given. Then during the afternoon session from 1:30 to 4:30 pm, hands on training was given to the students. After successful completion of training session, students' feedback from the students were gathered and training completion certificate were issued to the students.





1st National Level Technical Colloquium



First National Level Technical Colloquium was organized by our department students organizing committee for one day dated 26 September 2022 (Monday). The Colloquium was based on the topic “Recent Innovations in Electrical Engineering”.

The students from second, third & final year students were participated and presented research article. Totally 62 students were participated in this event. This event also offers Best Paper Presenter Award were also given to the students with best presentation skill and for presenting the recent technologies. Finally, the session ended with the certificate and award distribution.

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Department of Electrical & Electronics Engineering Organises

1st National Level Technical Colloquium

On **RECENT INNOVATIONS IN ELECTRICAL ENGINEERING**

VENUE: Conference Hall (MBA Block) JJCET Campus

DATE: 26-09-2022 (Monday)

- Best Paper Presenter Award.
- All the participants will be awarded participation certificate.
- Refreshments will be Provided

Event Organisers: Faculty members and students event organising committee
Department of Electrical & Electronics Engineering - JJCET





Workshop on “Earthing System Designing for Electrical Installation”

Our department organized a workshop on the topic “Earthing System Design for Electrical Installation” on 19 October 2022, (Wednesday). The event was held at Electrical Machines Lab – JJCET Campus.

The workshop participants are Final year and pre-final year students of EEE department.

Nearly, 30 students were participated in this workshop and completed successfully. For the first one hour a detailed explanation about the importance earthing were delivered to the students by Prof. G. Sundararajan.

After the lecture session students were given practical training in the Machines lab. They had measured the earthing resistance in the yard and installed the earthing connections with the guidance given by Technical Assistant (Mr. Balasundhar & Emanuel) and the workshop completed successfully.

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Department Of EEE

WorkShop On
**Earthing System
Designing for Electrical
Installation**
for
Final Year & Pre Final Year
Students

Date & Time :
19/10/2022 (WEDNESDAY)
@ 2:30PM

Venue :
ELECTRICAL MACHINES
LAB

Convenor
PROF.Y.MOHAMED BADCHA
HOD/EEE

Coordinators
MR.G.SUNDARARAJAN
ASST. PROFESSOR
DEPT OF EEE
MR.S.KARTHIKEYAN
ASST. PROFESSOR
DEPT OF EEE

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DEPARTMENT OF EEE

Students Training Session
Final year and Pre final year
students attended Workshop on
“Earthing System Designing for
Electrical Installation”.

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STUDENTS ACHIEVEMENTS

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Department of EEE




Our Principal Dr.P.Mathiyalagan, congratulated Ms.A.Kasthuri of II year EEE for the successful completion of the Online Training course conducted by Skill Vertex on "Hybrid Electric Vehicles" and awarded certificate.

www.jjcet.in

Ms. A. Kasthuri II year/EEE

One week Internship Program Organized by
 National Small Industries Corporation
 (A Government of India Enterprise)
 in August 2022



DEPARTMENT OF ELECTRICAL AND ELECTRONICS
 ENGINEERING

III year students/EEE

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Department of EEE

Congratulations



Our Principal Dr. P.Mathiyalagan, Congratulates IV & III year students for Receiving Best paper Presenter Award & Best Organiser Award and also for Presenting paper in 1st National Level Technical Colloquium on "Recent Innovations in Electrical Engineering". Organised by Dept. of EEE, JJCET.

IV&III year students /EEE

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Congratulations



Our Principal Dr. P.Mathiyalagan, Congratulated II year students M.Srimathi, P.Sangavi & S.Sivabalan for Presenting Paper in National Level Technical Symposium.

DEPARTMENT OF EEE-JJCET

II year students /EEE



Massive Open Online Courses (MOOC)

Our department III year students, **D. Janita, P. Vanmathi, S. Jamunarani & N.Sudha** have successfully completed online course in **LinkedIn** on the topic “Administrative Professional Foundations” during the period of December 2022-January 2023.

Internship Participation

Second year student **R.Kalaiselvan** dept of EEE has successfully completed three days (15.12.22 to 17.12.22) internship at Fashions Club International Private Limited, Tirupur. During this training he explored about the machineries used in the textile



Ms. M. Srimathi II year/EEE

Our department II year student M.Srimathi, has received “Stars of Maatram award” for Securing Highest CGPA in Institution /department level for the year 2022 to 2023. This award offered by “Maatram Foundation”, Chennai.





FACULTY ACHIEVEMENTS



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Congratulations

DEPARTMENT OF EEE



**Our Principal
Dr.P.Mathiyalagan, congratulated
EEE Department Faculty members for
Journal Publication Work**



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*Our Honourable Vice-Chairman Er. R. Chenthurselvan
congratulated Department of
CSE, EEE & IT Faculty Members for
Publishing Patent acknowledge by
INTELLECTUAL PROPERTY INDIA,
Office of the Controller General of Patents, Designs & Trade Marks
(Government of India) in presence of our Principal.*



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Congratulations



Teaching Excellence Award

Our Principal Dr.P.Mathiyalagan,
congratulated
Prof. S.P.SURESHRAJ,B.Tech.,M.S (Taiwan).
Dept of EEE, for receiving "Teaching
Excellence Award" from International
Association of LIONS CLUB (District 324 M)
2022-23.



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YOUNG RESEARCHER AWARD

Congratulations

Prof. S. P. Sureshraj

Our Principal
Dr.P.Mathiyalagan,
congratulated Prof.
S.P.Sureshraj, Dept. of EEE,
for receiving "Young
Researcher Award" offered
by Institute of Scholars(InSc)
for publishing his Research
work at MDPI-Journal.



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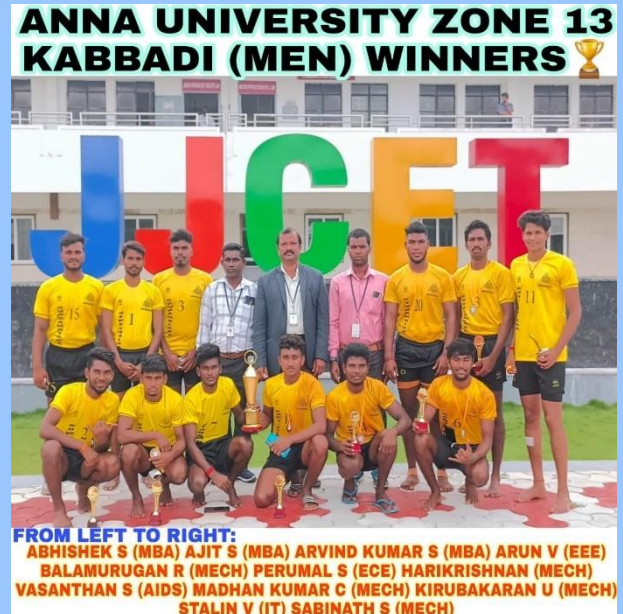


SPORTS ACHIEVEMENTS



Mr.R.Tamilarasan,
II year /EEE

Our department II year student R. Tamilarasan, has achieved two silver medal and one bronze medal in 4x400m relay, 5km running and 1500m running in Anna university Zonal Level. Congratulation for his determination in attaining success.



Mr.V.Arun, II year /EEE

Congratulation to EEE department student V.Arun and his kabaddi team for achieving Winner up in Anna University Zonal level.



Mr.A.Suvishesh, II year /EEE

Congrats to Badminton Anna University Zonal level Winners.





PUBLICATIONS

Journal

Research article titled “Energy Management in Hybrid Electrical Vehicle” has been accepted for publishing in IEEE Scopus indexed journal.

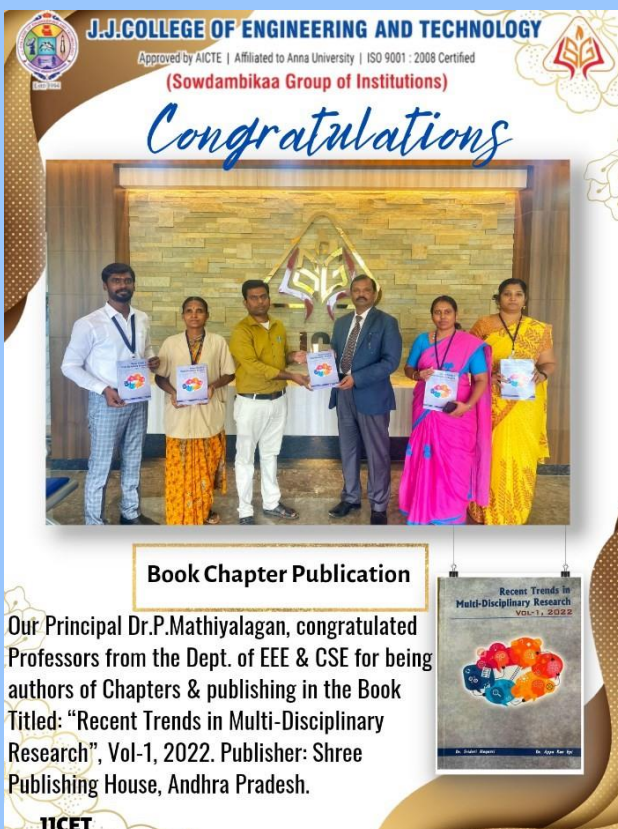
Patent

Patent titled “A Integrated IoT based Speed Control and Crash Avoidance system for Vehicle” had been published in IPR by Prof. G. Sundararajan.

Conference

Third year students with faculty members published three research abstracts in MDPI International conference.

Book Chapter

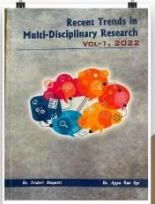


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Congratulations

Book Chapter Publication

Our Principal Dr.P.Mathiyalagan, congratulated Professors from the Dept. of EEE & CSE for being authors of Chapters & publishing in the Book Titled: “Recent Trends in Multi-Disciplinary Research”, Vol-1, 2022. Publisher: Shree Publishing House, Andhra Pradesh.



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