



J.J.COLLEGE OF ENGINEERING AND TECHNOLOGY

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(Sowdambikaa Group of Institutions)



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Institution Making Students Ready for “Industry 4.0

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J.J.C.E.T NEWS



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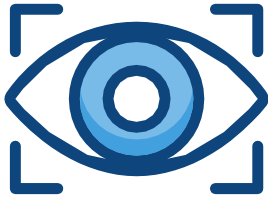
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Department of EEE

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. 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 7 issue.

In this issue, we will recount the various technical level events & workshops organized and the publications achievements of faculty and students' activities held during the month July 2023.

I like to thank our Principal 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 EVENT

(Institute level/Department level)

Students from JJ Polytechnic college visited KUKA- JJ Industrial Robotics centre. Introduction to robot, jogging the robot and basics of programming have been taught to enrich their technical knowledge.



STUDENTS ACHIEVEMENTS



Third year EEE Students T. Ajaykumar, D. Jenita, P. Vanmathi they are undergoing Internship training at NSIC Chennai

***Domain- Industrial Embedded with Artificial Intelligence and IOT**





JJCET - CDC IS Organized two weeks Internship Activities to our EEE students. @ IPCS Global, Trichy. Students are actively Participating & Gaining the Technical (Embedded, AI & Automation) Knowledge.



FACULTY ACHIEVEMENTS



Mrs.P.Rathidevi , Assistant Professor(Sr.G) /EEE ,Published in Journal of Circuits, Systems and Computers in the article titled "A Novel Multilevel DC-DC Fly back Converter –Fed H Bridge Inverter"





Trends in Renewables (India)

Aim to reach zero emissions by 2070, according to Ministry of power, the country is likely to meet 62% of its electricity requirements with 500GW of non-fossil fuel sources by 2030

As on date India has in renewable energy installed capacity 168.96 GW

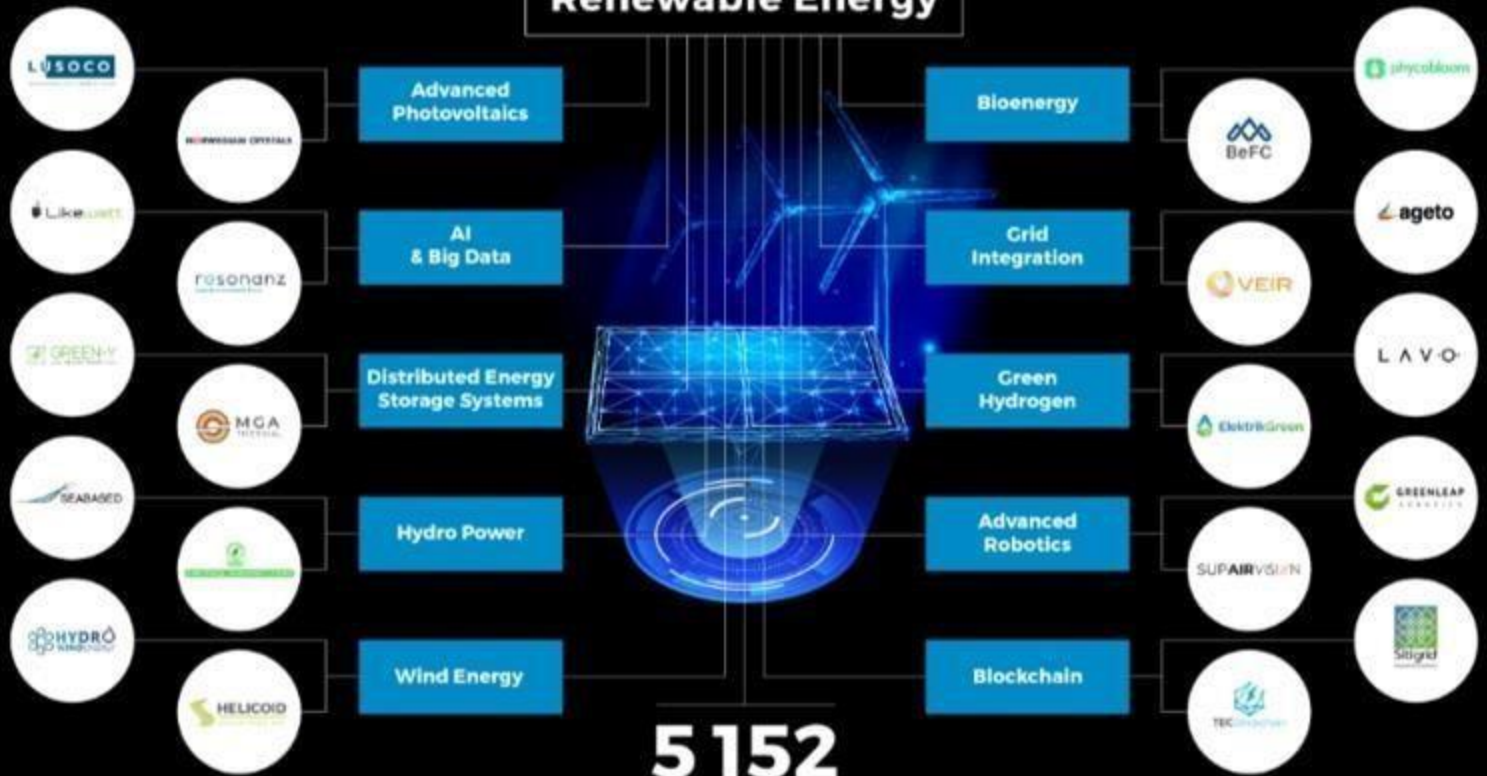
Renewable Energy in India

With a population of 1.3 billion, India has a massive demand for energy to fuel its rapidly growing economy. From a power deficit nation at the time of Independence, the efforts to make India energy-independent have continued for over seven decades. Today, we are a power surplus nation with a total installed electricity capacity of over Four lakh MW.

Keeping in mind the sustainable development goals, India's power generation mix is rapidly shifting towards a more significant share of renewable energy. Today, **India is the world's third largest producer of renewable energy**, with 40% of its installed electricity capacity coming from non-fossil fuel sources.



Renewable Energy



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Startups & emerging companies analyzed



MAJOR RECRUITERS





OUR COLLABORATORS



Networking
CISCO™ Academy

