



Arka Educational and Cultural Trust ®
JAIN INSTITUTE OF TECHNOLOGY, DAVANGERE-577 005
(A Unit of Jain Group of Institutions, Bangaluru)



JIT,EEE News Letter

ANNUAL AUG 2020 - JULY 2021

Visit us at: www.jitd.in

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Department of Electrical & Electronics Engineering

“VISION”

“To achieve Technically superior man power development and to build highly competent, ethically strong, socially responsible new generation of Electrical and Electronics Engineer.”

“MISSION”

- ♦ To impart excellent Electrical and Electronics Engineering Education with innovative teaching, international career focused education and experiential learning.
- ♦ To evolve as a Centre of excellence in R&D in country and contribute to the advancement of science and technology to meet the ever changing needs of society.
- ♦ To nurture career improvement and to facilitate young Electrical and Electronics Engineers to acquire technical exposure.
- ♦ To create outstanding professionals and to produce quality engineers with high ethical standards and professionalism.

Department of Electrical & Electronics Engineering

PROGRAM OUTCOMES

Graduates of the Electrical engineering program are expected to demonstrate:

- An ability to apply knowledge of mathematics & science to electrical engineering
- An ability to identify, formulate and solve complex electrical engineering problems.
- An ability to design electrical systems to meet desired needs with appropriate considerations for public health and safety.
- An ability to use research based knowledge to design and conduct experiments.
- An ability to use techniques, skills and modern electrical engineering tools like MATLAB, CAED, etc. for engineering practice.
- To understand the impact of engineering solutions in a global, economic, and societal contexts.
- Understand the impact of the electrical engineering solutions in environmental contexts & demonstrate the knowledge for sustainable development
- An understanding of professional and ethical responsibility.
- An ability to function on multidisciplinary teams.
- Ability to communicate effectively with the engineering community and with society.
- Develop an appreciation for principles of managerial skills and entrepreneurship
- Ability to develop confidence for self-education and to understand the value of life-long learning.



Dr. Ganesh D. B.
Principal & Director JIT

Message from the Principal

It's my pleasure to introduce this latest issue of the JIT, EEE Newsletter. I would like to congratulate Editorial team for bringing out a beautiful and informative EEE newsletter which has showcased the various activities, events in department, and the achievements of students and faculties. I look forward to achieve greater heights in the years to come.

Message from the HOD

Welcome to the Department of Electrical and Electrical Engineering at JIT Davanagere. We started our journey in the year of 2011 with an intake of 60 students. The department has full-fledged laboratories as prescribed by VTU syllabus with modern equipment's. We have grown our expertise and competence in the core Electrical and Electrical Engineering curriculum and research. We have a strong undergraduate program in Electrical and Electrical Engineering in B.E. We conduct many activities throughout the academic year like Workshops, Seminars, technical talks, skill enhancement programs and other co-curricular activities under the department Form "POTENZA".

Our department offers science-based engineering curriculum. The primary focus of our curriculum is to impart technical know-how to students, promote their problem solving skills and innovation of new technologies. The course contents are periodically updated for introducing new scientific and technological developments. Staff members are active in research work and have published research papers in reputed journals and encouraging the students to undertake various research projects.

Our department has a distinguished record in both teaching and research. Faculty members have excellent academic credentials and are highly regarded. We look forward to contribute in solving the technological challenges of the society with active participation from all sections of the society.



Dr. Chandrashekar K
HOD, Electrical & Electronics Engineering

FINAL YEAR DIPLOMA STUDENTS PROJECT EXHIBITION-2020

11th March 2020



Department of EEE, Jain Institute of technology conducted Project exhibition, Quizophile, Electro lock, events for Diploma students on 11th march 2020. The chief guest event was Dr.S B Mallur, Professor, mechanical Department, UBDTCE, and Davanagere, the judge of the event was Mr.Karibasappa T C, Assistant Professor, BIET, Davanagere and the department event coordinator was Ms. Vijayalakshmi A K, Asistant Professor, JIT Davanagere. Objective of organizing this Project exhibition and events was to provide the platform and unleash the potential of the students by showcasing their innovative projects developed in the Final Year either as Industry Defined Problem or User Defined Problem and provide an opportunity for the students to demonstrate their learning..

Project exhibition Winners

Prize	Title	Winners
1 st	Smart Helmet	Veeresh K C & team SR Vastrad Rural Polytechnic Guledagudda
2 nd	GSM based Home automation	Kiran H C V & team DSDN Polytechnic Shivamoga
3 rd	Energy Theft Control using GSM	Nandeesh Kumar & team Jain Polytechnic Davanagere

Quizophile (Quiz) Winners

Prize	Students Name	College
1 st	Sagar M Budha Sagar	DSDN Polytechnic Shivamoga
2 nd	Mahendra K V Raghvendra	Jain Polytechnic Davanagere

Electro lock Winners

Prize	Students Name	College
1 st	Manjunath G R Sanjay H	DRR Polytechnic Davanagere
2 nd	Nandeesh Kumar P M Govindappa C G	Jain Polytechnic Davanagere

ONLINE QUIZ ON POWER SYSTEM

20th June 2020

POWER SYSTEM

ELECTRICAL AND ELECTRONICS DEPARTMENT, JAIN INSTITUTE OF TECHNOLOGY, DAVANAGERE

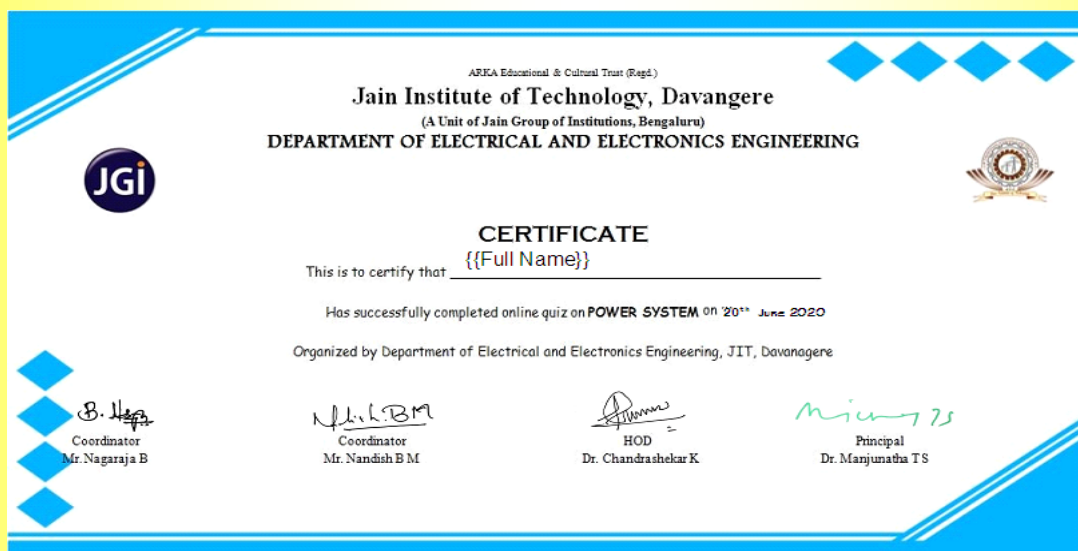
Email *

Valid email

This form is collecting emails. [Change settings](#)

Full Name

Short answer text



Department of Electrical and Electronics Engineering, Jain Institute of technology conducted “Online-quiz on Power System” on 20th June 2020. Coordinators of the event was Mr. Nagaraj B, Assistant Professor, Mr. Nandish B M Assistant Professor, Dept. of EEE, the main objective of the this quiz competition to students ' self-awareness of progress and self-assessment. By taking quizzes, pupils get instant feedback on their responses. And this can help them identify areas they need to develop themselves and highlight progress. Totally 292 students and faculties actively participated in this competition.

“ONLINE QUIZ ON OPERATIONAL AMPLIFIER & LINEAR IC’S”

10th & 10th July 2020



Department of Electrical and Electronics Engineering, Jain Institute of technology conducted “Online-quiz on Operational Amplifier & Linear IC’s” on 10th & 11th July 2020. Coordinators of the event was Mr. Praveena Anaji, Assistant Professor, Mr. Pradeep Kanavi, Assistant Professor, Dept. of EEE, Students and faculties actively participated in this competition.

AYUDHA POOJA IN EEE DEPARMENT JITD

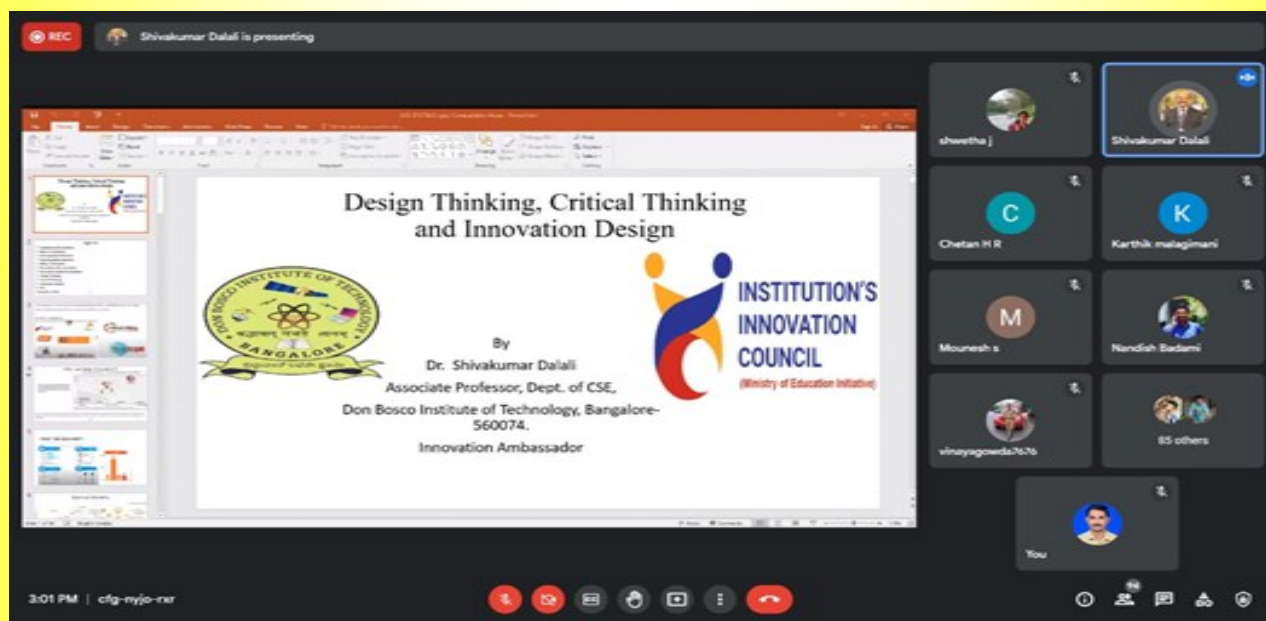
14th July 2021



Department of Electrical & Electronics Engineering, Jain Institute Of Technology Organized The Ayudha Pooja Function on the occasion of Dasara Festival on 24th 2020. Ayudha pooja was done by the "Victory of Good over Evil", this day is auspicious. Hence, tools, machines and vehicles are worshiped asking god to bless them. The EEE department staffs and students were present in the function.

“ORIENTATION SESSION FOR ALL THE STUDENTS AND FACULTIES OF INSTITUTE BY INNOVATION AMBASSADOR”

14th July 2021



ARKA EDUCATIONAL AND CULTURAL TRUST®

JAIN INSTITUTE OF TECHNOLOGY
Davanagere

INSTITUTION INNOVATION COUNCIL
&
DEPARTMENT OF ELECTRICAL AND ELECTRONICS
JOINTLY ORGANISES

**Orientation session for all students & faculties of
Institute by Innovation Ambassador**

RESOURCE PERSON:
Dr. C P LOHITH
Faculty Coordinator
Siddaganga Technology
Business Incubator
Siddaganga Institute of Technology
Tumakuru

DATE:
14/07/2021 @ 2:00 PM

MEETING LINK:
<https://bit.ly/3B3OMI1>

**AN INTRODUCTION
to
DESIGN
THINKING**

**LEAN
STARTUP**

7 STEPS

Chetan H R
Nandish B M
Faculty Coordinators

Dr. Chandrashekar K
HOD, EEE

Dr. D B Ganesh
Principal/Director

Stay Home and Stay Safe

#323, Near Veereshwara Punyashrama, Bada cross, Davanagere - 577003
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Dept. of EEE, Jain institute of technology Davanagere, in association with “Institution's Innovation Council” organized a virtual Workshop “Institute by Innovation Ambassador” on 14th July 2021. The resource person Dr. C P Lohith Faculty Coordinator, SIT, Tumkur, Karnataka, presented an expert talk on “Institute by Innovation Ambassador”. The main aim of “Institute by Innovation Ambassador” is to strengthen the mentoring capacity of teachers for nurturing innovative ideas from students, institutional innovation as novel, useful, and legitimate change that disrupts the cognitive, normative or regulative mainstays of an organizational field. Spread the message of innovation and start-ups among the students and faculties.

FACULTY CHAPTER

Sl. No	Faculty Name	Faculty Development/Training Activities STTP's
1	Prof. Chethan H R	Volunteer registered with ISAC under the “cop Connect” program to assist the victims and local law enforcement agencies with technical support and legal advice for resolution of cyber-crimes. ID: #194519000040141909, Date of issue : 04-09-2021
2	Prof. Chethan H R	Seven day national workshop on “research and publication ethics” organized by Srinivas university Mangalore from February 08, 2021 to 15, 2021
3	Prof. Praveena Anaji	A one week online faculty development program on “Recent Trends in Electrical Engg.” Organized by Dept. of Electrical and Electronics Engg. In association with ISTE student chapter, The Oxford College of Engineering Bangalore. From 12/07/2021 to 17/07/2021
4	Prof. Praveena Anaji	A one week online faculty development program on “Advances in Electrical Drive” from 28 June to 2 July 2021 organized by dept. of electrical and electronics Engg. Vidyavardhaka college of Engg. Mysore in association with ISTE.

Books/ Book Chapters Publication

Name of the Book/chapter	Author Name	Details of Publication	Year
Advances in Decision Sciences, Image Processing, Security and Computer vision	Mrs. Preetha P.S & Dr. Ashok Kusagur	Springer Nature Switzerland	AUG 2020

LIST OF PAPER PUBLICATIONS BY THE FACULTY

SL. No	Name of the Faculty	Title	Name of the Journal/Conference /Event / Publisher	Volume/ Issue/Journals/ conference	Year
1	Prof. Marulasiddappa H.B	Review on different control techniques for induction motor drive in electric vehicle.	IOP Conf. Series: Materials Science and Engineering	1055 (2021) 012142, DOI:10.1088/1757-899X/1055/1/012142	2021
2	Prof. Marulasiddappa H.B	Hybrid intelligent controller based torque ripple minimization in switched reluctance motor drive.	Bulletin of Electrical Engineering and Informatics	Vol 10, No.3, pp - 1193-1203. ISSN: 2302-9285, DOI :10.11591/eei.v10i3.3039	June 2021
3	Prof. Nandish B M	Hybrid intelligent controller based torque ripple minimization in switched reluctance motor drive.	Bulletin of Electrical Engineering and Informatics	Vol 10, No.3, pp - 1193-1203. ISSN: 2302-9285, DOI :10.11591/eei.v10i3.3039	June 2021
4	Prof. Nandish B M	Review of internet of things: distributed power in smart grid	IOP conf. Series: Materials science and engineering	DOI:0.1088/1757-899X/1055/1/012139	2021
5	Prof. Nandish B M	Torque ripple minimization in switched reluctance motor using ANFIS controller	WSEAS TRANSACTIONS on SYSTEMS and Control	Doi : 10.37394/23203.2021.16.14, vol16, E-ISSn: 2224-2856	2021

DEPARTMENT PLACEMENT DETAILS

SL.NO	NAME	COMPANY
01	Aushree G N	DXC Technology
02	Keerthi M S	DXC Technology
03	Niveditha N B	DXC Technology
04	Deepthi R M	DXC Technology
05	Rohini N V	DXC Technology
06	Ruchitha Chand	DXC Technology
07	Veeresh T	TCS
08	Deepa K V	TCS
09	Rohan G R	TCS
10	Ramya B R	Power research & Development Consultant

“INNOVATIVE PROJECT SPONSORED BY VTU BELAGAVI”

The Department of EEE final year students made the projects of academic year 2020-21 are selected for best Innovative projects and also got Five thousand rupees cash prize for the best projects from VTU Belagavi. Congratulating the students and Guide by the Management, Principal and the department staffs.

Project Title:	Project Guide	Project Associates
Usage of Renewable Energy Resources	Dr. Chandrashekhar K Professor	Akshatha K Tejswini H G Aishwarya T J.
Agricultural Multi Nozzle Manually Operated Pesticides Sprayer	Mr. Chetan H R Assistant Professor	Manusmitha C, Chandana D S Ramya B R Vijayakumari P



EDITORIAL TEAM

Prof. Shailaja B M
Assistant Professor
Mr. Sandeep Patil M S
Instructor



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