

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



JIT,EEE News Letter

BI ANNUAL AUG 2021-JANUARY 2022

Visit us at: www.jitd.in Email: jitdvg2011@gmail.com



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 Davangere. 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

FAREWELL FUNCTION FOR FINAL YEAR STUDENTS

8th August 2021

ONE-WEEK WORKSHOP ON
"ELECTRICAL WIRING AND SERVICING"

13th September 2021









EEE Forum Potenza organized farewell function for outgoing students and orientation program on "higher studies and job opportunities in abroad" on 8th August 2021. The chief guest of the function was Mr. Praveen Hasbhavi, Alumni of JIT, EEE department, presently working in VOLVO Group Truck technology, Gottenburg, Sweden. The JIT EEE family. Came together to bid goodbye to outgoing batch. The aims to become one global and unified, dynamic and mutually beneficial community which will allow alumni to keep in touch with each other, and with the Technical World.





Dept. of EEE, Jain institute of technology Davanagere, organized one week workshop on "Electrical Wiring and Servicing" on 13th September 2021 to 18th September 2021 . A resource person Mr.Sanjaykumar B R, Assistant Engineer, BESCOM addressed participants of workshop and briefed about service and overview of BESCOM and also EEE Department Instructors Mr. Keshav S V and Mr. Sandeep patil M S given practical session of working and servicing of Electrical machines. In this workshop given best participant award Mr. Kiran U from 4th semester. The workshop mainly focused on the practical knowledge of the electrical field, significance of electrical equipment's and troubleshooting in household appliances.

ENGNEERS DAY IN EEE DEPT. 15th September 2021



KANNADA HABBA IN EEE DEPT. 11th September 2021









A beautiful art by Miss Vinutha B B of 7th semester EEE

Kannada habba an event to celebrate Kannada Rajyothsava was organized by the EEE dept on 11/11/2021. The event included Rasa Prashne (Quiz) in which the students of all departments of Jain Institute of technology participated. The quiz revealed the talent of students regarding the knowledge of Kannada literature, history, culture, Cinema etc. 5teams participated in the quiz. The winners were 1.Chaitra K T, 2.Bhomika M G 3. Manjunath G K 4. Kanthesh Talawar 5.Bharath B G.

The runners up were 1. Meghana S, 2. Archana R 3. Sahana P 4. Megha M K, 5. Divyasree O.

TWO DAYS WORKSHOP ON "SOLAR PANEL ASSEMBLING AND **NET METERING**"

12& 13th November 2021



The resource person Dr Nagana Gowda former director, National Training Centre for Solar Technology KPCL, Explaining the students, Solar panels Installation ing of power plant, and also gain better at JIT Davanagere.



The department of EEE in Jain institute of technology, Davanagere and Institution' Innovation Council JIT organized Two days workshop on "solar Panel Assembling and Net Metering" held on 12/11/2021 to 13/11/2021. The workshop mainly focused on the practical knowledge of the Solar panels installation wiring and maintenance.

INDUSTRIAL VISIT TO LIN-GANMAKKI POWER PLAND DAM

29th September 2021



EEE 3rd year students field visit to Linganmakki Power Plant and Dam. Objective of visiting is learn to enhancing the knowledge, visualization and functionpractical exposure and problem identification

INDUSTRIAL VISIT TO LIN-GANMAKKI POWER PLAND DAM

11th December 2021



EEE Final year students field visit to Linganmakki Power Plant and Dam. Objective of visiting is learn to enhancing the knowledge, visualization and functioning of power plant, and also gain better practical exposure and problem identification.

PARENTS MEET IN EEE DEPT. 13th December- 2021



Parents-Faculty Conference meet was organized on December 7th &13th 2021 in EEE dept. for 7th ,5th and 3rd students parents to discuss with regarding Academic Success, Placement, and Suggestions about student progress.

WORKSHOP ON "DESIGN THINK-ING, CRITICAL THINKING AND INNOVATION DESIGN"

27th January 2022



Dept. of EEE, Jain institute of technology Davanagere, in association with "Institution's Innovation Council" organized a virtual Workshop on "Design Thinking, Critical Thinking and Innovation" 'on 27th January 2022, Thursday at 2:30 PM.

Inauguration of EEE forum Potenza-2021

24th December 2021



Jain Institute of Technology, Davanagere Dept. of EEE Forum Potenza-2021 inaugural function will be held on December 24th 2021, Friday at 10.30PM in the JPS Auditorium.

The chief guest was Er. Halesh Naik, Assistant Engineer, BESCOM, Davanagere, who spoke about the academic and practical implementation and the president of the function, Dr. Ganesh D B, Principal and Director spoke about the importance of study and the path to success in life. Dr. Chandrashekhar K HOD EEE, Forum Coordinators Prof. Chetan H R, Prof. Nandish B M, EEE student coordinator, Mr. Nagaraj, and staff and students from EEE were present at the function.

ACCADEMIC TOPPERS



BHAGYA., 2nd Semester, 82.75%

DIKSHITH., 2nd Semester, 81.70%



SRIDEVI M., 4th Semester, 84.87%

VIJAYALAKSHMI S., 4th Semester, 79.37%



PRIYANKA K., 6th Semester, 79.87%

CHAITRA K T., 6th Semester, 77.5%



NIVEDITHA N B., 8th Semester, 82.75%

DEEPA K V., 8th Semester, 82.37%

TRIBUTE TO PUNEETH RAJKUMAR FROM EEE CUTRURAL CLUB



The Electrical & Electronics Engineering department of our Jain Institute of Technology's cultural club hosted a tribute for our sandalwood great hero, Puneeth Rajkumar, on December 21, 2021, on the JIT campus. The life narrative of Puneeth Rajkumar was penned by cultural student coordinators Sanjay Reddy S and Anil Kumar N of 5th semester, Dept. of EEE, and choreographed by Miss Spandana G of 7th semester, Dept. of EEE. The students performed with zest and zealousness. Dr. Ganesh D.B, Principal, Jain Institute of Technology, Dr. Chandrashekar.K, HOD, Dept. of EEE, Jain Institute of Technology, HOD's of various departments, staff, and students of Jain Institute of Technology have all witnessed the performance and paid their respects to our great sandalwood hero, none other than Puneeth Rajkumar.

LIST OF PAPER PUBLICATIONS BY THE FACULTY

SL. No	Name of the Faculty	Title	Name of the Jour- nal/ Conference /Event / Publisher	Volume/ Issue/Journals/ conference	Year
1	Prof. Maru-	Review on differ-	IOP Conf.	1055 (2021)	2021
	lasiddappa	ent control tech-	Series:	012142,	
	H.B	niques for induc-	Materials	DOI:10.1088/175	
		tion	Science	7-	
		motor drive in	and Engi-	899X/1055/1/012	
2	Prof. Maru-	electric vehicle.	neering Bulletin of	142	June
2	lasiddappa	Hybrid intelligent controller based	Electrical	Vol 10, No.3, pp - 1193-1203.	2021
	H.B	torque ripple	Engineer-	ISSN: 2302-9285,	2021
	11.2	minimization in	ing and In-	DOI :10.11591/	
		switched reluc-	formatics	eei.v10i3.3039	
		tance motor			
		drive.			
3	Prof.	Hybrid intelligent	Bulletin of	Vol 10, No.3, pp -	June
	Nandish B M	controller based	Electrical	1193-1203.	2021
	IVI	torque ripple minimization in	Engineer- ing and In-	ISSN: 2302-9285, DOI:10.11591/	
		switched reluc-	formatics	eei.v10i3.3039	
		tance motor	Torritaties	CO 1. V 1 013.3 03 <i>y</i>	
		drive.			
4	Prof.	Review of inter-	IOP conf.	DOI:0.1088/1757	2021
	Nandish B	net of things: dis-	Series:		
	M	tributed power in	Materials	899X/1055/1/012	
		smart grid	science	139	
			and engi-		
5	Prof.	Torque ripple	neering WSEAS	Doi:	2021
3	Nandish B	minimization in	TRANS-	10.37394/23203.2	2021
	M	switched reluc-	ACTIONS	021.16.14, vol16,	
		tance motor using	on SYS-	E-ISSn: 2224-	
		ANFIS controller	TEMS and	2856	
			Control		

	Jain Institute of Technology, Davanagere				
	FACULTY CHAPTER				
Sl.	Faculty Name	Faculty Development/Training Activities STTP's			
No					
1	Prof. Chethan	Volunteer registered with ISAC under the "cop Connect"			
	HR	program to assist the victims and local law enforcement			
		agencies with technical support and legal advice for reso-			
		lution of cyber-crimes.			
		ID: #194519000040141909, Date of issue: 04-09-2021			
2	Prof. Chethan	Seven day national workshop on "research and publica-			
	HR	tion ethics" organized by Srinivas university Mangalore			
		from February 08, 2021 to 15, 2021			
3	Prof. Praveena	A one week online faculty development program on			
	Anaji	"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	A one week online faculty development program on			
	Anaji	"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 associ-			
		ation with ISTE.			
5	Prof. Praveena	Online FDP on Power System Design & Simula-			
	Anaji	tion using Dig SILENT Power Factory Software,			
		Micro grid System Design & Simulation using HOMER			
		Pro & HOMER Grid Software and Automation System			
		Design & Simulation using Automation Studio Software			
		On 14 to 17 th September 2021 by DELL SOFT Technolo-			
		gies Pvt. Ltd. New Delhi.			

Books/ Book Chapters Publications

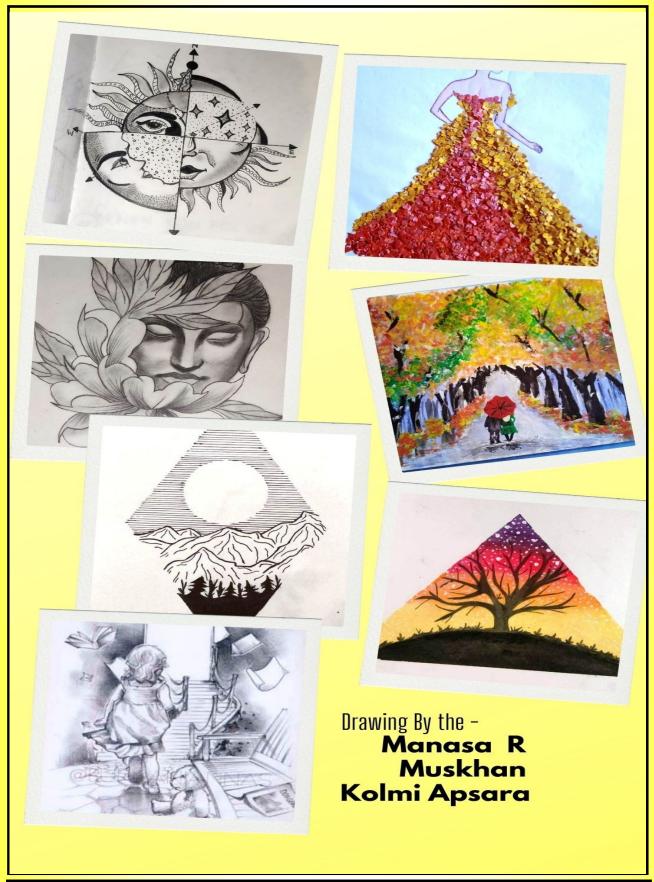
Name of the Book/chapter	Author Name	Details of Publication	Year
	Mrs. Preetha P.S & Dr. Ashok Kusagur	1	AUG 2020

DEPARMENT PLACEMENT DETAILS

SL.N	NAME	COMPANY
0		
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

Project -Sponsored by VTU Belagavi			
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	

EEE DEPARTMENT STUDENTS ACTIVITIES



EEE DEPARTMENT NEWS IN DAILY NEWS PAPERS



ಇ ಆಂಡ್ ಇ ವಿಭಾಗದಲ್ಲಿ ಆರು ವಿಭಾಗದ ಪೊಟೆಂಝಾ ವೇದಿಕೆಯ ದಿನಗಳ ಎಲ್ಲಿಕರ್ ವೈರಿಂಗ್ ಅಡಿಯಲ್ಲಿಅಯೋಜಿಸಲಾಯಿತು. ಕೆ., ಸಂಯೋಜಕರಾದ ಪ್ರೋ. ಮತ್ತು ಸರ್ವಿಸಿಂಗ್ ವಿಷಯದ ಈಕಾರ್ಯಗಾರವನ್ನುಕಾಲೇಜಿನ ಚೇತನ್,ಹೆಚ್.ಆರ್., ವಿಭಾಗದ

ಜೈನ್ ಕುರಿತು ಸೆಪ್ಟೆಂಬರ್ 13 ರಿಂದ ೃಲಯದ 18 ರ ವರೆಗೆ ಕಾರ್ಯಗಾರವನ್ನು

ಉದ್ಘಾಟಿಸಿದರು.

ಮುಖ್ಯಸ್ಥರಾದಡಾ.ಚಂದ್ರಶೇಖರ. ಕೆ., ಸಂಯೋಜಕರಾದ ಪ್ರೋ.

ಉಪಸ್ಥಿತರಿದ್ದರು. ವಿಭಾಗದ ಪ್ರಾಯೋಗಿಕೆ ಜ್ಞಾನ,ವಿದ್ಯುತ್ ಉಪಕರಣಗಳ ಮಹತ್ವ .ಗೃಹ ಉಪಯೋಗಿ ಉಪಕರಣಗ ರೋಷ ಮತ್ತು ನಿವಾರಣೆ ಈ ಕಾರ್ಯಗಾರದ ಮುಖ್ಯ ಉದ್ದೇಶವಾಗಿತ್ತು. ಸಂಪನ್ಮೂಲ ವ್ಯಕ್ತಿಗಳಾಗಿ ಶ್ರೀ.ಸಂಜಯ್ ಕುಮಾರ್.ಬಿ.ಆರ್. ಸಹಾಯಕ ವ್ಯಕ್ಷಿಗಳಾಗಿ ಆಭಿಯಂತರರು.ಬೆಸ್ಕಾಂ,ದಾವಣಗೆರೆ ಪಾಲ್ಗೊಂಡಿದ್ದರು. ವಿಭಾಗದ ಪ್ರಯೋಗಾಲಯ ನಿರ್ದೇಶಕರಾದ ಕೀಶವ್.ಎಸ್.ವಿಮತ್ತುಸಂದೀಪ ಪಾಟೀಲ್.ಎಂ.ಎಸ್. ಕಾರ್ಯಾ ಗಾರವನ್ನು ನಡೆಸಿಕೊಟ್ಟರು.



ದಾವಣಗೆರೆ: ಜೈನ್ ತಾಂತ್ರಿಕ ಮಹಾದ್ಯಾಲಯದ ಇ ಅಂಡ್ ಇ ವಿಭಾಗದಲ್ಲಿ ಆರು ದಿನಗಳ ಎಲೆಕ್ಟ್ರಿಕಲ್ ವೈರಿಂಗ್ ಮತ್ತು ಸರ್ವಿಸಿಂಗ್ ವಿಷಯದ ಕಾರ್ಯಾಗಾರ ನಡೆಯಿತು. ವಿಭಾಗದ ಪೊಟೆಂಝಾ ವೇದಿಕೆ ಅಡಿಯಲ್ಲಿ ಕಾರ್ಯಾಗಾರ ಆಯೋಜಿಸಲಾಯಿತು. ಈ ಕಾರ್ಯಾಗಾರವನ್ನು ಕಾಲೇಜಿನ ಪ್ರಾಚಾಯ ಡಾ. ಡಿ.ಬಿ. ಗಣೇಶ ಉದ್ಘಾಟಿಸಿದರು. ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥ ಡಾ. ಕೆ. ಚಂದ್ರಶೇಖರ, ಸಂಯೋಜಕ ಪ್ರೋ.ಚೀತನ್ ಹಾಗೂ ವಿದ್ಯಾರ್ಥಿಗಳಿದ್ದರು. ಸಂಪನ್ಮೂಲ ವೃಕ್ತಿಯಾಗಿ ಬೆಸ್ಕಾಂ ಎಂಜಿನಿಯರ್ ಸಂಜಯ್ ಕುಮಾರ್ ಪಾಲ್ಗೊಂಡಿದ್ದರು. ಪ್ರಯೋಗಾಲಯ ನಿರ್ದೇಶಕ ಎಸ್. ಕೇಶವ್, ಎಂ.ಎಸ್. ಸಂದೀಪ್ ಪಾಟೀಲ್ ಕಾರ್ಯಾಗಾರ ನಡೆಸಿಕೊಟ್ಟರು.

EEE DEPARTMENT ACTIVITIES PHOTO'S GLIMS







EDITORIAL TEAM

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