



## **10SEPH'S INSTITUTE OF TECHNOLOGY**

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



# DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

# NEWSLETTER

JUNE - 2024



# TO KNOW MORE ABOUT THE DEPARTMENT ACTIVITIES PLEASE VISIT

https://stjosephstechnology.ac.in/web/eee/

# Acknowledgement

We sincerely thank our beloved Chairman Dr.B.Babu Manoharan, Managing Director Mr.B.Shashi Sekar, Executive Director Mrs.S.Jessie Priya and Principal Dr. S. Arivazhagan for their motivation, guidance and support.



Dr. B. Babu Manoharan M.A., M.B.A., Ph.D. Chairman



Mr. B. Shashi Sekar
M.Sc.,
Managing Director



Mrs. S. Jessie Priya
M.com.,

Executive Director



Dr. S. Arivazhagan M.E., Ph.D. Principal

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# **Vision**

To become a well renowned in the field of Electrical and Electronics Engineering by imparting knowledge and inculcating ethical values to serve the global society.

# **Mission**

To inculcate knowledge of fundamental principles and make the students competent in the field of Electrical and Electronics Engineering.

# **Program Educational Objectives**

- To provide foundation in their fields such as circuit theory, Field theory, control theory and computational platforms.
- o To enhance the designing skills for the evolution of new technology in the Electrical and Electronics domain.
- To equip the students to work in interdisciplinary groups for enhancing professional skills.
- To motivate and prepare the students for a successful career in the industry or higher education.
- To create an awareness for lifelong learning and inculcate professional ethics.

# **Program Specific Outcomes**

- Our graduates will be able to understand the basic concepts related to engineering and technology with enhanced problem solving skills.
- Our graduates, with high proficiency in Electrical and Electronics Engineering will be able to exhibit technical knowledge in industrial and entrepreneurial focus.
- Our graduates can translate the effects of professional values and ethics in accordance with Electrical and Electronics Engineering domain, to create sustained environment for social growth.

# **Faculty Development Training Program**

The Department of Electrical and Electronics Engineering is excited to announce an upcoming Faculty Development Training Program (FDTP) on the subject EE3014: Power Electronics for Renewable Energy Systems. This dynamic and enriching event is designed to provide faculty members with cutting-edge knowledge, innovative teaching methodologies, and practical insights into the latest advancements in this crucial area of study.

Scheduled to take place from July 1, 2024, to July 6, 2024, this FDTP will feature a series of engaging sessions led by renowned experts and industry leaders. Participants will have the opportunity to delve into a range of topics, including Solar PV and Fuel Cell characteristics, Simulation and Analysis of different Power Converters for Solar PV Systems and Overview and Need of Hybrid Renewable Energy Systems.

Join us for this transformative experience, as we strive to advance the frontiers of knowledge and education in Power Electronics for Renewable Energy Systems.

For more details and registration information, please scan the QR code.

We look forward to your participation in making this FDTP a resounding success.

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

## **ORGANIZES**

PHYSICAL MODE – SIX DAY
FACULTY DEVELOPMENT TRAINING PROGRAMME

ON



# EE3014 - POWER ELECTRONICS FOR RENEWABLE ENERGY SYSTEMS

Sponsored by
Centre for Faculty & Professional Development
Anna University, Chennai - 25



01/07/2024 to 06/07/2024

Scan Here or Registration

# **Placement and Higher Studies**

We are delighted to share the exciting news that our students have secured coveted positions with various companies. Their hard work, dedication, and skills have opened doors to new opportunities. Additionally, we are proud to recognize those who have chosen to pursue higher studies, showcasing their commitment to academic excellence and lifelong learning. The department extends warm congratulations to all these students for their significant achievements.

### PLACEMENT DETAILS – BATCH (2020-2024)

Sl. No.	REGISTER NUMBER	NAME OF THE STUDENT	COMPANIES PLACED
1.	312420105001	DANIEL M	<ul><li>BHARATH FIH</li><li>JSE ENGINEERING PVT LTD</li></ul>
2.	312420105002	IYYAPPAN S	LINCOLN ELECTRIC COMPANY (INDIA) PVT LTD
3.	312420105003	JESSY K	<ul><li>PICKYOURTRIAL,</li><li>JSE ENGINEERING PVT LTD</li></ul>
4.	312420105004	JUNISH EZRA	<ul><li>GK POWER</li><li>BHARATH FIH</li></ul>
5.	312420105006	MERIN STEPHA J	<ul><li>KEYENCE</li><li>PICKYOURTRIAL</li></ul>
6.	312420105007	NIRMAL S	<ul><li>BYJUS</li><li>CONSERVE SOLUTIONS,</li><li>QSPIDERS</li><li>DELOITTE</li></ul>
7.	312420105009	PAUL ANDREW M	<ul><li>BHARATH FIH</li><li>JSE ENGINEERING PVT LTD</li></ul>
8.	312420105011	SANJAY K	• QSPIDERS
9.	312420105302	BALA PRASANNA K	• RANE

### **HIGHER STUDIES DETAILS – BATCH (2020-2024)**

Sl. No.	REGISTER NUMBER	STUDENT NAME	PROGRAMME	COLLEGE NAME
1.	312420105010	PURUSOTHAMAN A	M.Tech (Power Systems Engineering)	PARUL UNIVERSITY, GUJARAT
2.	312420105012	KIRAN T	MS (Robotics)	CENTRALE NANTES, FRANCE

# **Student Achievements**

The Department of Electrical and Electronics Engineering extends heartfelt congratulations to all students who have successfully completed their NPTEL exams. Your dedication and hard work have paid off, and this accomplishment is a testament to your commitment to academic excellence.

Sl. No.	Register No.	Name of the Student	Year	Name of the Course
1.	312421105001	AISHWARYA P		EV - Vehicle Dynamics and Electric Motor Drives
2.	312421105022	KARTHICK S		EV - Vehicle Dynamics and Electric Motor Drives
3.	312421105024	LOGESH K	III	EV - Vehicle Dynamics and Electric Motor Drives
4.	312421103024	12421103024 LOGESH K		Smart Grid: Basics to Advanced Technologies
5.	312421105047	SENTHIL VELAN R		EV - Vehicle Dynamics and Electric Motor Drives
6.	312422105023	KAMLESH J	II	EV - Vehicle Dynamics and Electric Motor Drives



# IPTEL Online Certification





This certificate is awarded to AISHWARYA P

for successfully completing the course

EV - Vehicle Dynamics and Electric Motor Drives

with a consolidated score of

70

Online Assignments | 22.33/25 |

Proctored Exam

47.69/75

Total number of candidates certified in this course: 801

Devendra Jalihal

Prof. Devendra Jalihal

Centre for Outreach and Digital Education, IITM

Roll No: NPTEL24EE30S444109241

Jan-Mar 2024

(8 week course)

Prof. Andrew Thangaraj NPTEL, Coordinato IIT Madras



Indian Institute of Technology Madras

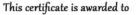
To verify the certificate



No. of credits recommended: 2 or 3



### IPTEL Online Certification (Funded by the MoE, Govt. of India)



KARTHICK S

for successfully completing the course

EV - Vehicle Dynamics and Electric Motor Drives

with a consolidated score of

53

Online Assignments | 22.13/25 | Proctored Exam

31.06/75

Total number of candidates certified in this course: 801

Devendra Jalihal

Prof. Devendra Jalihal Chairperson, Centre for Outreach and Digital Education, IITM Jan-Mar 2024

(8 week course)

Prof. Andrew Thangaraj NPTEL, Coordinato



Indian Institute of Technology Madras

No. of credits recommended: 2 or 3



Roll No: NPTEL24EE30S453408519

To verify the certificate





# NPTEL Online Certification



This certificate is awarded to LOGESH K

for successfully completing the course

Smart Grid: Basics to Advanced Technologies

68 with a consolidated score of

Online Assignments | 24.06/25 Proctored Exam 43.5/75

Total number of candidates certified in this course: 2466

Prof. Kaushik Ghosh. Professor(Chemistry) Coordinator CEC

Jan-Apr 2024 (12 week course) Prof. Ranjana Pathania, Professor (BSBE) Coordinator (NPTEL)



Indian Institute of Technology Roorkee

Roll No: NPTEL24EE37S1053409798

To verify the certificate

No. of credits recommended: 3 or 4



(Funded by the MoE, Govt. of India)

This certificate is awarded to

LOGESH K

for successfully completing the course

EV - Vehicle Dynamics and Electric Motor Drives

with a consolidated score of

52

Online Assignments | 22.13/25 | Proctored Exam 30/75

Total number of candidates certified in this course: 801

Devendra Jalihal

Prof. Devendra Jalihal Chairperson, Centre for Outreach and Digital Education, IITM Jan-Mar 2024

(8 week course)

Prof. Andrew Thangaraj IIT Madras



Indian Institute of Technology Madras

No. of credits recommended: 2 or 3



Roll No: NPTEL24EE30S344106530

To verify the certificate



# NPTEL Online Certification



This certificate is awarded to SENTHIL VELAN R

for successfully completing the course

#### EV - Vehicle Dynamics and Electric Motor Drives

60 with a consolidated score of

%

Online Assignments | 21.92/25 | Proctored Exam

37.97/75

Total number of candidates certified in this course: 801

Devendra Jalihal

Prof. Devendra Jalihal

Centre for Outreach and Digital Education, IITM

Jan-Mar 2024

(8 week course)

Prof. Andrew Thangaraj NPTEL. Coordinato IIT Madras



Indian Institute of Technology Madras

Roll No: NPTEL24EE30S344106674

To verify the certificate

No. of credits recommended: 2 or 3



# NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to

KAMLESH J

for successfully completing the course

#### **EV - Vehicle Dynamics and Electric Motor Drives**

with a consolidated score of

Online Assignments | 16.58/25 | Proctored Exam | 30/75

Total number of candidates certified in this course: 801

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson, Centre for Outreach and Digital Education, IITM

Jan-Mar 2024

(8 week course)

Prof. Andrew Thangaraj



Indian Institute of Technology Madras

Roll No: NPTEL24EE30S344105312

To verify the certificate



No. of credits recommended: 2 or 3

# **Faculty Achievements**

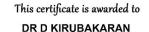
The Department of Electrical and Electronics Engineering proudly congratulates our esteemed faculty members for successfully completing their NPTEL exams. Your dedication to continuous learning and professional development sets a remarkable example for our students and reinforces the high standards of academic excellence within our department.

Sl. No.	Name of the Faculty	Name of the Course
1.	Dr. D. Kirubakaran	Advanced Power Electronics and Control
2.	Dr. S. Hemalatha	Introduction To Professional Scientific Communication
3.	Mr. R. Manivannan	Introduction To Professional Scientific Communication
4.	Mr. I. Cephas	Entrepreneurship Essentials
5.	Mr. S. Karthick	Microprocessors And Interfacing



# Elite NPTEL Online Certification (Funded by the MoE, Govt. of India)





for successfully completing the course



**Advance Power Electronics and Control** 

with a conso	lidated score	of <b>77</b> %	
Online Assignments	21.25/25	Proctored Exam	55.5/75

Total number of candidates certified in this course: 357



Jul-Sep 2023 (8 week course)





Indian Institute of Technology Roorkee

FREE ONLINE EDUCATION SWAYAM

Roll No: NPTEL23EE127S45333907

To verify the certificate



No. of credits recommended: 2 or 3



# Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

DR S HEMALATHA

for successfully completing the course

#### Introduction to Professional Scientific Communication

with a consolidated score of

72

Online Assignments | 21.58/25

Proctored Exam 50.51/75

Total number of candidates certified in this course: 1975

Prof. B. V. Ratish Kumar Chairman, Centre for Continuing Education IIT Kanpur Jan-Feb 2024

(4 week course)



Indian Institute of Technology Kanpur

Roll No: NPTEL24BT34S344100377

To verify the certificate



No. of credits recommended: 1 or 2



# Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to MANIVANNAN R

for successfully completing the course



with a consolidated score of

63 %

Online Assignments | 20.5/25

Proctored Exam 42.86/75

Total number of candidates certified in this course: 1975



Jan-Feb 2024

(4 week course)



Indian Institute of Technology Kanpur

Roll No: NPTEL24BT34S344104388

To verify the certificate



No. of credits recommended: 1 or 2



# Elite

# **Online Certification**

(Funded by the MoE, Govt. of India)



This certificate is awarded to **CEPHAS I** 

for successfully completing the course

#### **Entrepreneurship Essentials**

with a consolidated score of

Online Assignments | 16.25/25 | Proctored Exam

51.07/75

Total number of candidates certified in this course: 2100

Jan-Apr 2024

(12 week course)

Prof. Haimanti Banerji Coordinator, NPTEL IIT Kharagpur



Indian Institute of Technology Kharagpur

Roll No: NPTEL24GE15S453403939

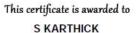
To verify the certificate



No. of credits recommended: 3 or 4



(Funded by the MoE, Govt. of India)



for successfully completing the course

#### Microprocessors and Interfacing

with a consolidated score of

69

Online Assignments | 25/25

Proctored Exam

44.25/75

Total number of candidates certified in this course: 288

Jan-Apr 2024

(12 week course)

Head, Centre for Educational Technology



Indian Institute of Technology Guwahati

Roll No: NPTEL24EE40S453506965

To verify the certificate



No. of credits recommended: 3 or 4

# Alumni Talks

The alumni talk provided an invaluable opportunity for current students to engage with successful graduates who once shared the same experiences. These sessions served as a meaningful bridge between academic life and the professional world, as alumni warmly shared their personal journeys, achievements, and insights with enthusiastic students. This heartfelt interaction made a lasting impact, motivating students to dream ambitiously and pursue their own paths with assurance and determination.

#### LAVANYA S

&

#### **KEERTHANA K**

Batch (2017 - 2021)



#### **SURYA J**

Batch (2017 - 2021)

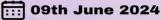
#### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

## **ALUMNI TALK**

ON

"MASTERING YOUR ZOHO **INTERVIEW: TIPS AND** STRATEGIES FOR SUCCESS"

#### **For III Year Students**



(L) 07:00 p.m - 08:00 p.m



https://meet.google.com/umm-phez-sqn



Surya J **Product Consultant** ZOHO (Batch 2017 - 2021)

### **MOHAN PRASAD G**

Batch (2016 - 2020)

### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

# ALUMM TALK

OM

"FROM CLASSROOM TO CAREER: ALUMNI PERSPECTIVES AND PATHWAYS"

For II & III Year Students



16th June 2024



( ) 07:00 p.m - 08:00 p.m



https://meet.google.com/umm-phez-sqn



**Mohan Prasad G Finance Functional Price Water House** Coopers (PwC)

(Batch 2016 - 2020)

# **Alumni Testimonials**

Testimonials from former students of the Department highlight their appreciation for the program, which combined academics and practical project opportunities. Alumni credit their growth to esteemed faculty who honed their technical and ethical skills. They also cherish the collaborative and lively environment, where lasting friendships and professional networks were formed.

## **Department of Electrical and Electronics Engineering**

#### **ALUMNI TESTIMONIAL**

" St. Joseph's Institute of Technology offers an exceptional Electrical and Electronic Engineering program. The curriculum strikes a perfect balance between theory and hands-on experience, preparing students for the industry's challenges. The dedicated faculty members provide invaluable mentorship, guiding us through every step of our academic journey. The program's emphasis on practical skills and problem-solving has been instrumental in shaping my career trajectory. Additionally, the supportive campus environment fosters collaboration and personal growth. I am grateful for the enriching experiences and lifelong connections I've made here. Without hesitation, I highly recommend St. Joseph's Electrical and Electronic Engineering program to anyone seeking a top-tier education. "

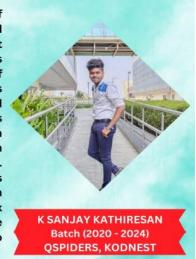


JESSY K Batch (2020 - 2024) Design Engineer JSE Engineering Pvt. Ltd.

#### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

#### **ALUMNI TESTIMONIAL**

"As an alumnus of St. Joseph's institute of technology, I am proud to share my experience and insights from my time of studying in the department of Electrical and Electronics Engineering at this esteemed institution. My college gave me lots of opportunities to explore my knowledge which was gained during this four years with friendly staffs and peaceful infrastructure. All our staffs give their inputs to achieve well in our life which helped me a lot in many ways and they also share their experience with me that also give many insights for my goal to click it. I also have 2 placement offers in my hand which was helped by my institute to sharpen my brain through various placement trainings, so that I able to crack those interview without any backstepping. My college helped me in many ways and I am always grateful to my college and our lovable staffs forever "



# **Editorial**

## **Staff Editorial**

- 1. Dr. D. Kirubakaran
- 2. Dr. S. Hemalatha
- 3. Mr. R. Manivannan
- 4. Mr. I. Cephas
- 5. Mr. S. Karthick
- 6. Dr. P. Nisha
- 7. Dr. N. P. Gopinath

## **Student Editorial**

- 1. Akash K
- 2. Gayathri K U
- 3. Kamlesh J
- 4. Shriraam R R



#### We Make You Shine

#### St. JOSEPH'S INSTITUTE OF TECHNOLOGY

(An Autonomous Institution)





### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Student Toppers Secured 8.5 CGPA and Above (Upto Sem III)

Batch 2022 - 2026



Akash K 312422105004 9.06



312422105015 8.94



Sharon Juliet P F 312422105047



Aadithya S 312422105002 8.79



Karppakamalar 312422105024



Gayathri K U 312422105014



Cishore Kumar ( 312422105028



Kokilavani E 312422105029





aran Shaagithiya 312422105046



### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING Toppers secured 8.5 CGPA and above (Up to V Sem)

Batch (2021 - 2025)



312421105001 AISHWARYA P 9.45



312421105013 DINESH M M



312421105016 **GAYATHRI P** 9.16



312421105055 VARSHNI KANNA M 9.04



312421105049 SIVAPRAKASH S 8.99



312421105046 SARIHA R 8.94



312421105047 SENTHIL VELAN R 8.88



312421105043 SAIVARSHINI R 8.81



312421105033 NARMADHA K 8.70



312421105021 JEEVA MURUGAN A 8.55



312421105020 JAYAVANTHI B M 8.53



# St. JOSEPH'S INSTITUTE OF TECHNOLOGY

(An Autonomous Institution)
OMR, CHENNAI - 119, TAMILNADU, INDIA



# DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Student Toppers Secured 8.5 CGPA and Above (Upto Sem VII)

Batch 2020 - 2024



NIRMAL S 312420105007 8.70



MERIN STEPHA J 312420105006 8.66



JESSY K 312420105003 8.59













#### About College

- We motivate and prepare our students to excel in all aspects.
- 12 years of academic excellence in Engineering Education, offering 6 UG programs and 1 PG program.
- Secured 39 University Ranks with 1 Silver medal since inception.
- The courses offered (B.E. CSE, ECE, EEE, Mech. Engg. & B.Tech.-IT) have been accredited by NBA in 2017 in the shortest span of 6 years since inception, which ascertains our quality.
- Rated 4.5 Stars by the Institution's Innovation Council (IIC) of Ministry of Education, Govt. of India.
- Ranked at 'Performer Band' in Atal National level Ranking (ARIIA -2021) by Ministry of Education, Govt. of India.
- Associate Member of ICT Academy, Department of Information Technology, Government of Tamilnadu.
- 'National Employability Award' by Aspiring Minds (SHL), received every year since 2021.
- Recognized as the Nodal Centre of ISRO-IIRS outreach program to conduct live and interactive courses.
- Recognized Skill Development Centre for Pradhan Mantri Kaushal Vikas Yojana (PMKVY), Ministry of Skill Development & Entrepreneurship (MSDE) implemented by National Skill Development Corporation.
- Selected under the National level "Unnat Bharath Abyan Programme" by MHRD Government of India and "Skill and Personality Development programme Centre (SPDP)" for SC/ST students by AICTE, New Delhi.
- Recognized as the 'Best Exam Preparatory Centre' for conducting Business English Certificate (BEC) examination by Cambridge ESOL for the past years in India & one among 25 South Asia Best Preparatory Centres.
- Received notable awards and recognitions namely Innovative Project Award and Youth Conclave Award from INAE, Hackathon Award, IEEE and TNSCST Student Project Fund.
- Approval has been granted by AICTE for IDEA lab worth Rs 110 lakhs under self-finance scheme.
- Received 2 International Travel Grants from IEEE Photonics society by our students for attending International Conferences in USA.
- Received grants from SERB & AICTE for conduction of IEEE supported International conference & MSME for startup project.
- Conducted 7 International Conferences periodically since 2016.
- Excellent Sports recognitions at National and International level.



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