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Sri Krishna College of Technology

An Autonomous Institution
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Accredited by NAAC with 'A' Grade
KOVAIPUDUR CAMPUS, COIMBATORE - 641 042.

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SKCT DIGEST

THE PRIDE OF OUR REFLECTION

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To our men in uniform your courage
lights our path
- **Anonymous**

Contact Us

0422-2984567 - 68
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Coimbatore - 641 042.

ARTIFICIAL INTELLIGENCE & DATA SCIENCE

FACULTY PARTICIPATION



Ms Kalaivani R, Asst. Professor, successfully completed the following online certification courses on **Infosys Springboard** :

1. Introduction to Open AI GPT Models
2. AI – First Software Engineering
3. Prompt Engineering
4. Generative AI Landscape
5. Introduction to AI
6. Open AI GPT-3 for developers



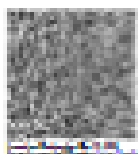
COURSE COMPLETION CERTIFICATE

The certificate is awarded to
Kalaivani R Asst Prof
for successfully completing the course
AI First Software Engineering

ON 04/05/2025



Congratulations! You made it, you proud!



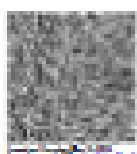
COURSE COMPLETION CERTIFICATE

The certificate is awarded to
Kalaivani R Asst Prof
for successfully completing the course
Introduction to OpenAI GPT Models

ON 04/05/2025



Congratulations! You made it, you proud!



ARTIFICIAL INTELLIGENCE & DATA SCIENCE

FACULTY PARTICIPATION



Ms Deepa P, Asst. Professor, successfully completed the following online certification courses on **Infosys Springboard** :

1. Introduction to NLP
2. Introduction to Data Science



||| COURSE COMPLETION CERTIFICATE |||

The certificate is awarded to
Deepa P
for successfully completing the course
Introduction to Natural Language Processing
on May 13, 2025



Congratulations! You make us proud!



Issued on Tuesday, May 13, 2025.
To verify, scan the QR code or <https://www.infosys.com/certificates>


Thirumala Aash
Executive Vice-President and Global Head
Education, Training & Assessment (ETA)
Infosys Limited

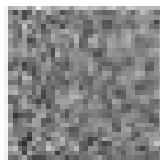


||| COMPLETION CERTIFICATE |||

The certificate is awarded to
Deepa P
for successfully completing the course
Introduction to Data Science



Congratulations! You make us proud!




Thirumala Aash
Executive Vice-President and Global Head
Education, Training & Assessment (ETA)
Infosys Limited

DEPARTMENT OF CSE(IOT)

FACULTY CERTIFICATION



Ms S Pavithra, Asst. Professor, secured **Elite+Silver Certification** in "Introduction to Internet of Things", offered through NPTEL. From Jan-Apr 2025, and completed **Faculty Development Program** on the same.



NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to

PAVITHRA S

for successfully completing the course

Introduction To Internet Of Things

with a consolidated score of 75 %

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Roll No: NPTEL25CS44S343600614

Date

The candidate has studied the above course through MOOCs mode, has submitted online assignments. This certificate is therefore acceptable for protection under CAS as per AICTE notification dated: 16th Nov, 2023. F.No. AICTE / RIFD / FDP through MOOCs / 2023



Elite NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



This certificate is awarded to

PAVITHRA S

for successfully completing the course

Introduction To Internet Of Things

with a consolidated score of 75 %

Online Assignments	22.69/25	Proctored Exam	52.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: 38143

Jan-Apr 2025

(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL25CS44S343600614

To verify the certificate



No. of credits recommended: 3 or 4

DEPARTMENT OF CSE(IOT)

FACULTY CERTIFICATION



Mr S Shanmuga Raju, Asst. Professor, secured Elite Certification & FDP in Semiconductor Devices for Next Generation Field Effect Transistor (More Than Moore): A Physics Perspective offered through NPTEL from Jan-Apr 2025.



NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to

SHANMUGA RAJU S

for successfully completing the course

Semiconductor Devices for Next Generation Field Effect Transistors (More than Moore): A Physics Perspective

with a consolidated score of 68 %



Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



(Jan-Apr 2025)

Roll No: NPTEL25EE75S643600799

Duration of NPTEL course : 12 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 18th Nov, 2023, similar to other refresher / orientation courses.
F.No. AICTE / RFD / FDP through MOOCs / 2023

Elite ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

Skill India
वीरता भाव - वृद्धा नमो



This certificate is awarded to

SHANMUGA RAJU S

for successfully completing the course

Semiconductor Devices for Next Generation Field Effect Transistors (More than Moore): A Physics Perspective

with a consolidated score of 68 %

Online Assignments	23.75/25	Proctored Exam	43.75/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: 238

Prof. Koushik Ghosh
Professor (Chemistry)
Coordinator (CEG)

Jan-Apr 2025
(12 week course)

Prof. Raghav Pathania,
Professor (BSSE)
Coordinator (NPTEL)



Indian Institute of Technology Roorkee



Roll No: NPTEL25EE75S643600799

To verify the certificate



No. of credits recommended: 3 or 4

DEPARTMENT OF CSE(IOT)

FACULTY CERTIFICATION



Ms S Priyadharshini, Asst. Professor,
secured **Elite+Silver Certification** in **Introduction to Internet of Things**, offered through NPTE from Jan-Apr 2025.



Elite NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

This certificate is awarded to
PRIYADHARSHINI S
for successfully completing the course

Introduction To Internet Of Things

with a consolidated score of **85** %

Online Assignments	25/25	Proctored Exam	60/75
--------------------	-------	----------------	-------

Total number of candidates certified in this course: **38143**

Jan-Apr 2025

(12 week course)



Skill India
कौशल भारत - कुशल भारत



Haimanti Banerji

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL25CS44S343600637

To verify the certificate



No. of credits recommended: 3 or 4

CIVIL ENGINEERING

FACULTY ACHIEVEMENTS



Dr N Shanmugasundaram, Assoc. Professor, delivered the keynote address at *ISTE-Approved STTP on "Sustainability and Resilient Infrastructure"*, organized by Dept. of Civil Engineering, Adithya Institute of Technology, Coimbatore,

One week online ISTE approved Short-term Training Programme (STTP)
"Sustainability and Resilient Infrastructure"

Featured Keynote Speaker
Dr. Shanmuganathan N
Professor
Department of Civil Engineering

Keynote Topic :
Circular Economy in Construction & Waste Management

DAY 4 : SESSION - 8
Thursday
May 15, 2025, 02.00 p.m. - 04.00 p.m. (IST)

Summary

- The circular economy offers a **promising path towards a more sustainable** and efficient construction industry.
- By embracing principles of **waste reduction, resource reuse, and closed-loop systems**, the industry can **minimize its environmental impact, conserve resources, and create economic opportunities**, contributing to a more resilient and sustainable future.
- All stakeholders, such as **architects, contractors, researchers, and companies**, must **collaborate** and engage for the effective implementation of a circular economy management strategy.
- Policy makers** need to enact robust laws and offer incentives to encourage sustainable practices.
- Testing methods** of different waste materials plays a major role for reuse in different applications. Creating **additional tests and procedures** to evaluate the effects of CDW on the environment.

32 others

Department of Civil Engineering
Organizes

One week online ISTE approved Short-Term Training Programme (STTP)
"Sustainability and Resilient Infrastructure"
12th - 17th May 2025

Schedule

Date	Fore Noon	After Noon
Day 1: Fundamentals of Sustainability & Resilient Infrastructure	Session 1: Introduction to Sustainable & Resilient Infrastructure	Session 2: Green Building Materials & Smart Technologies
Day 2: Disaster-Resilient Infrastructure & Smart Monitoring	Session 3: Earthquake, Flood & Cyclone-Resilient Structures	Session 4: Structural Health Monitoring & AI Applications in Resilient Design
Day 3: Energy Efficiency & Smart Cities	Session 5: Energy-Efficient & Net-Zero Energy Buildings	Session 6: Smart Cities & Sustainable Urban Development
Day 4: Sustainable Water & Waste Management	Session 7: Water Sensitive Urban Design & Rainwater Harvesting	Session 8: Circular Economy in Construction & Waste Management
Day 5: Climate Adaptation & Future Trends in Infrastructure	Session 9: Climate-Resilient Urban Planning & Adaptation Strategies	Session 10: Innovations in Sustainable Transportation
Day 6: Policy, Research & Implementation Strategies	Session 11: Sustainability Standards, Certification & Policy Frameworks	Session 12: Workshop- Developing Sustainable & Resilient Infrastructure Proposals

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Dr. Joseph V. Thirumal
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Dr. D. Somasundareswari
Principal, AIT

Convener / STTP Coordinator
Dr. R. Anuradha
Professor & Head - CE & COE

Coordinator
Dr. E. Yashini & Mr. M. Ragul
Mobile - +91 720546857
E-mail: ragul_m@adithyatech.com

Chief Guest
Dr. R. Siva Chidambaram
Senior Scientist
CSIR-Central Building Research Institute - Roorkhee

Session Time
(Attendance is compulsory for all the sessions)
Forenoon : 10.30 am - 12.00 pm
Afternoon : 02.30 pm - 04.00 pm

Registration Link
<https://forms.gle/8Wqj1YCaW6G2G6A>

Last date for Registration:
10.05.2025

Registration Fees: Rs.300

CIVIL ENGINEERING

FACULTY PARTICIPATIONS



Dr V Sreevidya, Professor & Head, completed Faculty Development Program on ***"Integrating AI and ML into Civil Engineering Applications"***, organized by Dept. of Civil Engg., V.R. Siddhartha School of Engineering (SAHE Deemed-to-be-University, Vijayawada) in association with *NIT Warangal*.



CIVIL ENGINEERING

FACULTY CERTIFICATIONS



Dr V Sathish Kumar, Assoc. Professor, secured **Elite+Gold** Certification in "**Remote Sensing and GIS for Rural Development**", offered through NPTEL.



Elite NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



This certificate is awarded to
DR V SATHISH KUMAR
for successfully completing the course

Remote Sensing and GIS for Rural Development

with a consolidated score of **90** %

Online Assignments	22.5/25	Proctored Exam	67.5/75
--------------------	---------	----------------	---------

Total number of candidates certified in this course: **615**

Jan-Apr 2025
(12 week course)



Sridhar
Prof. Sridhar Iyer
Head CDEEP & NPTEL Coordinator
IIT Bombay



Indian Institute of Technology Bombay



Roll No: NPTEL25CE46S343600032

To verify the certificate



No. of credits recommended: 3 or 4

CIVIL ENGINEERING

FACULTY CERTIFICATIONS



The faculty members of Civil Engineering Department, (SKCT) attended **"Professional Development Programme on GIS Applications in SMART City Development"**, organized by **NITTTR, Chennai**.



COMPUTER SCIENCE AND ENGINEERING

FACULTY PARTICIPATION



Dr N Saranya, Asst. Professor, successfully completed **"Data Analytics with Python"**, offered through NPTEL.



Elite

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

This certificate is awarded to

SARANYA

for successfully completing the course

Data Analytics with Python

with a consolidated score of **69** %

Online Assignments	24.69/25	Proctored Exam	44.39/75
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Total number of candidates certified in this course: **10022**



Prof. Kaushik Ghosh,
Professor (Chemistry)
Coordinator CEC

Jan-Apr 2025
(12 week course)



Prof. Ranjana Pathania,
Professor (BSSE)
Coordinator (NPTEL)



Indian Institute of Technology Roorkee



Roll No: NPTEL25CS17S1243601067

To verify the certificate



No. of credits recommended: 3 or 4

COMPUTER SCIENCE AND ENGINEERING

STUDENT PARTICIPATION



Ms Thilagavathi, Student of Third Year B.E. CSE, participated in **"TechGig Citi Campus Innovation Challenge 5.0"** sponsored by Citi.



ELECTRONICS AND COMMUNICATION ENGINEERING

FACULTY ACHIEVEMENT



Dr M G Sumithra, Principal and Professor, Contribution as the **Single Point of Contact (SPOC)** for the “**Out of the Box Thinking through Mathematics**” course by **IIT Madras Pravartak** from June 2024 to February 2025. Their dedication and efforts have been instrumental in fostering mathematical curiosity and innovation.



ELECTRONICS AND COMMUNICATION ENGINEERING

FACULTY PUBLICATION



Dr M Arun Kumar, Asst. Professor, published a research article on **“Enhancing Mobility for Crawling Individuals using HLPR Chair”** in IEEE Xplore (Scopus Indexed).

Enhancing Mobility for Crawling Individuals using HLPR Chair

Publisher: IEEE

[Cite This](#)

[PDF](#)

M Arun Kumar; Asvitha K; Harkrishnan B; Janani B; Kanishka A S All Authors

Abstract

Document Sections

I. INTRODUCTION

II. PROBLEM STATEMENT

III. LITERATURE SURVEY

IV. EXISTING SYSTEM

V. PROPOSED WORK AND METHODOLOGY

Show Full Outline

Authors

Figures

References

Keywords

Abstract:

The smart assistive chair is a groundbreaking solution designed to enhance the quality of life for individuals with mobility challenges. It integrates a range of advanced features, including heartbeat detection, pressure analysis, body temperature monitoring, and object detection, to provide comprehensive health management and safety. The heartbeat detection ensures real-time monitoring of the user's cardiovascular health, while pressure sensors prevent pressure ulcers by alerting users when they need to change position. Body temperature monitoring detects any fluctuations that may indicate health issues, and the object detection system helps users navigate their environment safely by identifying obstacles in their path. Additionally, a tablet reminder system helps users stay on track with medication adherence and daily tasks. All data collected by the chair's sensors is transmitted to a cloud platform for remote monitoring by caregivers or healthcare providers, allowing for proactive health interventions. The chair's design promotes both comfort and mobility, with powered wheels for independent movement and ergonomic support for posture and stability. This innovative assistive technology not only empowers users with greater independence and safety but also supports their overall health and well-being, making it a significant advancement in assistive devices. The objective of the proposed work in the document is to design a smart assistive chair that enhances the mobility and quality of life for individuals with mobility impairments, specifically those who crawl. The chair integrates health monitoring, safety features, and task management into a single system.

Published in: 2025 International Conference on Intelligent Computing and Control Systems (ICICCS)

Date of Conference: 19-21 March 2025

DOI: 10.1109/ICICCS585191.2025.10985287

Date Added to IEEE Xplore: 12 May 2025

Publisher: IEEE

► ISBN Information:

Conference Location: Erode, India

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2024 5th International Conference on
Data Intelligence and Cognitive
Informatics (ICDCI)
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Robust Safety Critical Control for
Nonholonomic Wheeled Mobile
Robot Trajectory Tracking with
Matched Disturbance

2024 IEEE 8th International Conference
on Vision, Image and Signal Processing
(ICVISP)
Published: 2024

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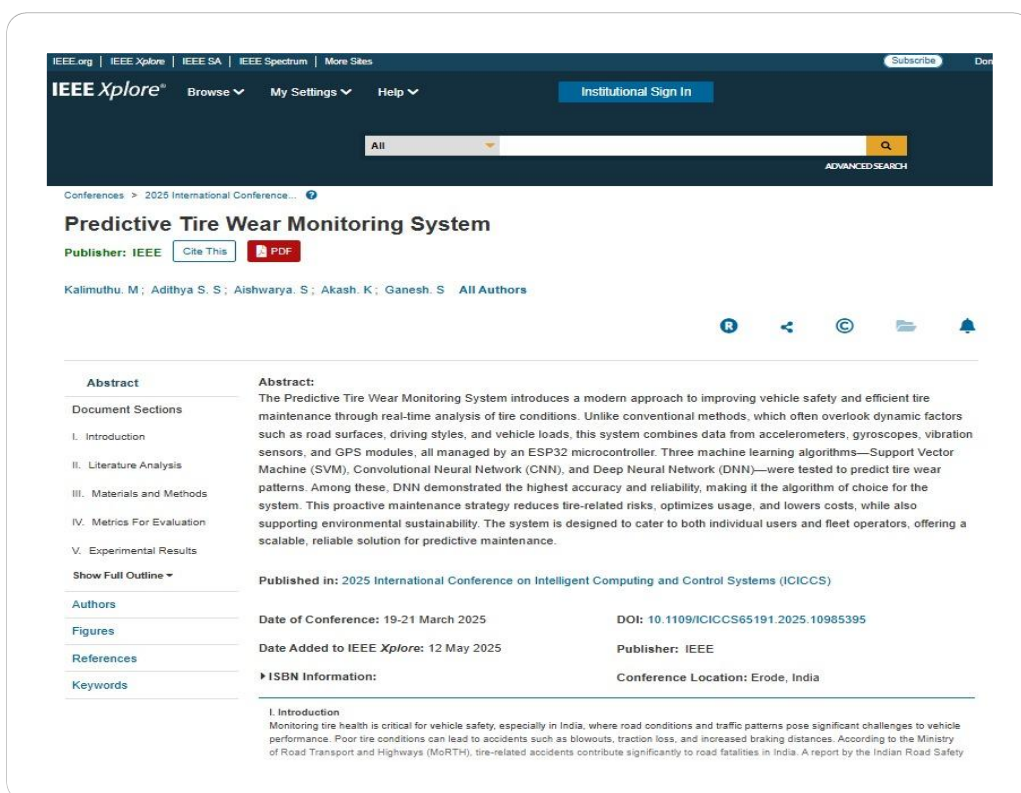
IEEE

ELECTRONICS AND COMMUNICATION ENGINEERING

FACULTY PUBLICATION



Mr M Kalimuthu, Asst. Professor, published a research article on “**Predictive Tire Wear Monitoring System**” in IEEE Xplore (Scopus Indexed).



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Predictive Tire Wear Monitoring System

Publisher: IEEE Cite This PDF

Kalimuthu, M; Adithya S, S; Aishwarya, S; Akash, K; Ganesh, S All Authors

Abstract

The Predictive Tire Wear Monitoring System introduces a modern approach to improving vehicle safety and efficient tire maintenance through real-time analysis of tire conditions. Unlike conventional methods, which often overlook dynamic factors such as road surfaces, driving styles, and vehicle loads, this system combines data from accelerometers, gyroscopes, vibration sensors, and GPS modules, all managed by an ESP32 microcontroller. Three machine learning algorithms—Support Vector Machine (SVM), Convolutional Neural Network (CNN), and Deep Neural Network (DNN)—were tested to predict tire wear patterns. Among these, DNN demonstrated the highest accuracy and reliability, making it the algorithm of choice for the system. This proactive maintenance strategy reduces tire-related risks, optimizes usage, and lowers costs, while also supporting environmental sustainability. The system is designed to cater to both individual users and fleet operators, offering a scalable, reliable solution for predictive maintenance.

Published in: 2025 International Conference on Intelligent Computing and Control Systems (ICICCS)

Date of Conference: 19-21 March 2025 DOI: 10.1109/ICICCS65191.2025.10985395

Date Added to IEEE Xplore: 12 May 2025 Publisher: IEEE

ISBN Information: Conference Location: Erode, India

I. Introduction

Monitoring tire health is critical for vehicle safety, especially in India, where road conditions and traffic patterns pose significant challenges to vehicle performance. Poor tire conditions can lead to accidents such as blowouts, traction loss, and increased braking distances. According to the Ministry of Road Transport and Highways (MoRTH), tire-related accidents contribute significantly to road fatalities in India. A report by the Indian Road Safety

ELECTRONICS AND COMMUNICATION ENGINEERING

FACULTY PARTICIPATION



Dr M G Sumithra, Principal and Professor, attended the IKS-TKDL Workshop on “**Traditional Knowledge, IP & People's Rights**” organized by the IKS Division in collaboration with CSIR-TKDL from 1–7 April 2025.



शिक्षा मंत्रालय
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Indian Knowledge Systems Division
Ministry of Education,
Govt. of India




Name: Sumithra M G

Enrol No : 2428

Nationality : Indian

Gender : Female

Highest Educational Qualification : PhD



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Indian Knowledge Systems Division
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ELECTRONICS AND COMMUNICATION ENGINEERING

FACULTY PARTICIPATION



Dr P Rajasekar, Professor, attended the 40-hour FDP on “**QT-02 Foundations of Quantum Technologies**” organized by Electronics & ICT Academies (MNIT Jaipur, NIT Patna, IIT Roorkee, IIT Guwahati, IIITDM Jabalpur, NIT Warangal) from 11 April – 03 May 2025.



ELECTRONICS AND COMMUNICATION ENGINEERING

FACULTY PARTICIPATION



Dr K Shanthi, Assoc. Professor, attended the 40-hour FDP on **“QT-02 Foundations of Quantum Technologies”** organized by Electronics & ICT Academies (MNIT Jaipur, NIT Patna, IIT Roorkee, IIT Guwahati, IIITDM Jabalpur, NIT Warangal) from 11 April – 03 May 2025.



ELECTRONICS AND COMMUNICATION ENGINEERING

FACULTY PARTICIPATION

Dr S Prema, Asst. Professor, attended the 40-hour FDP on **“QT-02 Foundations of Quantum Technologies”** organized by Electronics & ICT Academies (MNIT Jaipur, NIT Patna, IIT Roorkee, IIT Guwahati, IIITDM Jabalpur, NIT Warangal) from 11 April – 03 May 2025.



ELECTRONICS AND COMMUNICATION ENGINEERING

FACULTY PARTICIPATION



Dr K Bagyalakshmi, Asst. Professor, attended the 40-hour FDP on **“QT-02 Foundations of Quantum Technologies”** organized by Electronics & ICT Academies (MNIT Jaipur, NIT Patna, IIT Roorkee, IIT Guwahati, IIITDM Jabalpur, NIT Warangal) from 11 April – 03 May 2025.



ELECTRONICS AND COMMUNICATION ENGINEERING

FACULTY PARTICIPATION









Mr G Santhakumar, Asst. Professor, attended the 40-hour FDP on **“QT-02 Foundations of Quantum Technologies”** organized by Electronics & ICT Academies (MNIT Jaipur, NIT Patna, IIT Roorkee, IIT Guwahati, IIITDM Jabalpur, NIT Warangal) from 11 April – 03 May 2025.



Faculty Development Programme on QT-02 Foundations of Quantum Technologies April 11 - May 03, 2025

Certificate of Completion

This is to certify that **Prof. Santhakumar Govindasamy** of **Sri Krishna College of Technology** has successfully completed the 40 hours (3-Credits equivalent) Faculty Development Programme jointly organized by various Academies. During the period, we found her / him to be hardworking, sincere and committed. Her / His performance was **Excellent**. This programme is funded by MeitY and endorsed by DST - NQM / AICTE / UGC.

 M. P. Singh Jt-Principal Coordinator	 Sanjeev Manhas Jt-Principal Coordinator	 B. V. Phani Jt-Principal Coordinator	 Dip Prakash Samajdar Jt-Principal Coordinator	 Gaurav Trivedi Jt-Principal Coordinator
 P. Radha Krishna Jt-Principal Coordinator	 Vithal Madyalkar Program Director IBM-ICE	 Mahipal P. Jadeja Jt-Principal Coordinator	 Pilli Emmanuel Shubhakar Principal Coordinator	

MNIT/J/QTA/865/2025

ELECTRONICS AND COMMUNICATION ENGINEERING

FACULTY PARTICIPATION



Ms M Sathia Priya, Asst. Professor, attended the 40-hour FDP on **“QT-02 Foundations of Quantum Technologies”** organized by Electronics & ICT Academies (MNIT Jaipur, NIT Patna, IIT Roorkee, IIT Guwahati, IIITDM Jabalpur, NIT Warangal) from 11 April – 03 May 2025.



ELECTRONICS AND COMMUNICATION ENGINEERING

FACULTY PARTICIPATION



Mr R Naveenkumar, Asst. Professor, attended the FDP on **“Skill Building for Tomorrow Research Writing, Wireless Technology and Professional Excellence”** organized by Poornima University from 12 May – 14 May 2025.

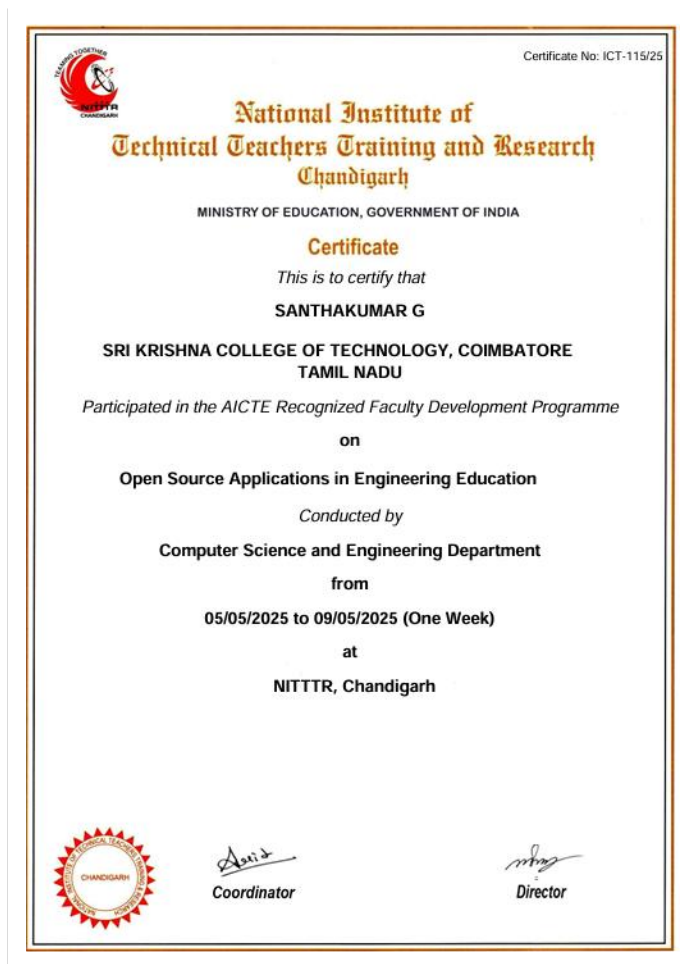


ELECTRONICS AND COMMUNICATION ENGINEERING

FACULTY PARTICIPATION



Mr G Santhakumar, Asst. Professor, attended the FDP on **“Open-Source Applications in Engineering Education”** organized by NITTTR, Chandigarh from 5–9 May 2025.



ELECTRONICS AND COMMUNICATION ENGINEERING

FACULTY PARTICIPATION



Mr M Kalimuthu, Asst. Professor, Presented the paper in the titled of "**Design and Comparison of Hybrid Optimization Controllers for Artificial Respiration System**" at Fourth International Conference on Smart Technologies, Communication and Robotics 2025 (IEEE-STCR 2025) organized by Bannari Amman Institute of Technology, Sathyamangalam from 9-10 May 2025.



ELECTRONICS AND COMMUNICATION ENGINEERING

FACULTY PARTICIPATION



Mr G Santhakumar, Asst. Professor, attended the IKS-TKDL Workshop on “**Traditional Knowledge, IP & People's Rights**” organized by the IKS Division in collaboration with CSIR-TKDL from 1–7 April 2025.



शिक्षा मंत्रालय
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Indian Knowledge Systems Division
Ministry of Education,
Govt. of India




Name: Santhakumar G

Enrol No : 2372

Nationality : Indian

Gender : Male

Highest Educational Qualification : M.E.



शिक्षा मंत्रालय
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Indian Knowledge Systems Division
Ministry of Education,
Govt. of India

Current Institution : Sri Krishna College of Technology

Phone Number : 9952484154

Email : g.santhakumarece@gmail.com

Address : Kovaipudur, Coimbatore-641042

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This is not considered as a official ID card

ELECTRONICS AND COMMUNICATION ENGINEERING

FACULTY CERTIFICATION



Dr M Thillai Rani, Assoc. Professor, completed a 12-week course on “**Network Analysis**” offered through NPTEL. Notably, she is one among only 49 learners who completed the course in this duration.



NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

This certificate is awarded to

M THILLAI RANI

for successfully completing the course

Network Analysis

with a consolidated score of **50** %

Online Assignments	11.22/25	Proctored Exam	39.04/75
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Total number of candidates certified in this course: **49**

Jan-Apr 2025

(12 week course)



Skill India
कौशल भारत - कुशल भारत



Banerji

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL25EE53S643603995

To verify the certificate



No. of credits recommended: 3 or 4

ELECTRONICS AND COMMUNICATION ENGINEERING

FACULTY CERTIFICATION



Mr G Santhakumar, Asst. Professor, completed a 12-week course on “**Computer Networks and Internet Protocol**” offered through NPTEL.



NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

This certificate is awarded to

SANTHAKUMAR G

for successfully completing the course

Computer Networks And Internet Protocol

with a consolidated score of **54** %

Online Assignments	23.75/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **6290**

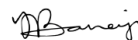
Jan-Apr 2025

(12 week course)



Skill India
कौशल भारत - कुशल भारत





Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL25CS15S1243603783

To verify the certificate



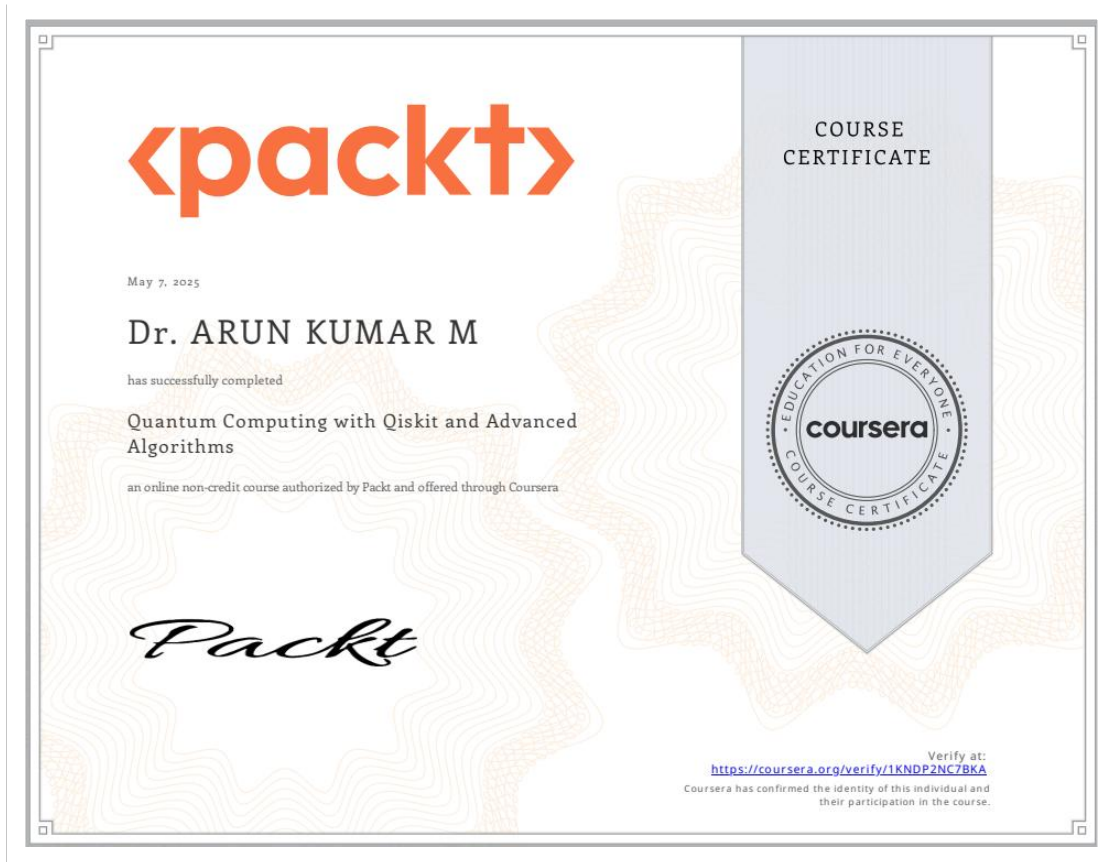
No. of credits recommended: 3 or 4

ELECTRONICS AND COMMUNICATION ENGINEERING

FACULTY CERTIFICATION



Dr M Arun Kumar, Asst. Professor, completed an Online Certification Course on **“Quantum Computing with Qiskit and Advanced Algorithms”** through Coursera.



ELECTRICAL AND ELECTRONICS ENGINEERING

FACULTY PUBLICATION



Dr Suresh K P, Asst. Professor, with Final Year B.E. EEE Students, published **"Design and Implementation of Solar-Powered IoT-Based Livestock Fencing with Repeller Device for Smart Agriculture"** at 3rd IEEE International Conference on Device Intelligence, Computing and Communication Technologies (DICCT-2025), Graphic Era (Deemed to be University), Dehradun from 21-22 March 2025.



ELECTRICAL AND ELECTRONICS ENGINEERING

FACULTY PUBLICATION



Ms Manimegalai V, Asst. Professor, with Final Year B.E. EEE Students, published "*Deep Learning Framework for Solar Panel Fault Detection: Combining GAN and EfficientNet*" at International Conference on Pervasive Computing and Social Networking (ICPCSN-2025), R.P. Sarathy Institute of Technology, Salem from 14-16 May 2025.



ELECTRICAL AND ELECTRONICS ENGINEERING

FACULTY PUBLICATION



Dr Dhanaselvam J, Asst. Professor, with Final Year B.E. ICE Students, published **"Vehicle-to-Vehicle Communication through VANET using Cognitive Radio Technology for Enhanced Spectrum Sensing"** in Computational Innovations and Engineering Sustainability, PSG College of Technology, Coimbatore from 24-26 April 2025.



ELECTRICAL AND ELECTRONICS ENGINEERING

FACULTY CERTIFICATION



Dr Sanjana Devi V S, Asst. Professor, secured **Elite Gold Rank** in "**Introduction to Internet of Things**", offered through NPTEL.



Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
SANJANA DEVI V S
for successfully completing the course
Introduction To Internet Of Things
with a consolidated score of **90** %

Online Assignments	22.88/25	Proctored Exam	67.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: 38143

Jan-Apr 2025
(12 week course)





Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



FREE ONLINE EDUCATION
swayam
[In Hindi, English, and other languages]

Roll No: NPTEL25CS44S443601938 To verify the certificate  No. of credits recommended: 3 or 4

ELECTRICAL AND ELECTRONICS ENGINEERING

FACULTY CERTIFICATION



Dr Jency Joseph J, Assoc. Professor, successfully completed **"Large Application Practicum"**, offered through NPTEL.



Elite

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



This certificate is awarded to

DR J JENCY JOSEPH

for successfully completing the course

Large Applications Practicum

with a consolidated score of **78** %

Online Assignments	23.75/25	Proctored Exam	54/75
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Total number of candidates certified in this course: **167**







Prof. Tushar Jain
Centre for Continuing Education
IIT Mandi

Feb-Mar 2025
(4 week course)



Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Mandi



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Infrastr. sector, employ. sector

Roll No: NPTEL25CS76S343604935

To verify the certificate



No. of credits recommended: 1 or 2

ELECTRICAL AND ELECTRONICS ENGINEERING

STUDENTS' PARTICIPATION



Ms Amitha V, Ms Kaseka K S, Ms Iswarya M, Mr Indhrajith K S G, Ms Lokitha A, Mr Sri Saovrath K B, and Ms Subivarshini J S, Students of First Year B.E. EEE, successfully completed In-Plant Training at TNPL, Karur from 7-13 May 2025.



ELECTRICAL AND ELECTRONICS ENGINEERING

STUDENT PARTICIPATION



Ms Karishma T, Student of First Year B.E. EEE, successfully completed ***In-Plant Training*** at ***Venus Manufacturing Company, Thoothukudi*** from 5-13 May 2025.



ELECTRICAL AND ELECTRONICS ENGINEERING

STUDENT PARTICIPATION



Mr Gurugokul K K, *Student of First Year B.E. EEE*, successfully completed ***In-Plant Training*** at ***Andritz Hydro Pvt Ltd, Masinagudi*** from 5-9 May 2025.



ELECTRICAL AND ELECTRONICS ENGINEERING

STUDENTS' PARTICIPATION



Students of First Year B.E. EEE participated in **AICTE Activity Point Events** across schools and parks, promoting **"Water and Energy Conservation Awareness"** from 5-11 May 2025.



ELECTRICAL AND ELECTRONICS ENGINEERING

STUDENTS' PARTICIPATION



Ms Suruthika R, Ms Sharmiha R, Ms Sasmitha R, Ms Soundarya S, Ms Suryashri T, Ms Swathi Lakshmi, Mr Sam Joshuva, Mr Sam Dev Kenneth, and Mr Vimal Raj, *Students of Second Year B.E. EEE*, successfully completed ***In-Plant Training at Salzar Electronics, Coimbatore*** from 1-13 May 2025.



MECHANICAL ENGINEERING

FACULTY ACHIEVEMENT



Dr Paul Gregory, Asst. Professor, secured TNSCST funding of ₹7,500/- for student project "A

Comprehensive Analysis of the SU-57 Cobra Maneuver: Integrating Coanda Effect and Navier-Stokes Equations with Scaled-Down Wind Tunnel Testing and Computational Fluid Dynamics".


	S	operation			
	Engineering, OMR, Chennai-600 119				
995.	Dr. Paul Gregory Felix, Assistant Professor, Department of Mechanical Engineering, Sri Krishna College of Technology, Kovaipudur Post, Coimbatore-641 042	A comprehensive analysis of the SU-57 cobra maneuver: Integrating coanda effect and Navier- Stokes equations with scaled-down wind tunnel testing and computational fluid dynamics	Akhil. S, Mohan Prasath. M,	EME- 881	7500

MECHANICAL ENGINEERING


FACULTY ACHIEVEMENT



Dr S Sundararaj, Professor, with UG students Mr Sachin A, Mr Selvakumar T, and Mr Shabareesh S K, successfully published patent "*Borewell Rescue System with Bore Widening Mechanism*".



Office of the Controller General of Patents, Designs & Trade Marks
Department for Promotion of Industry and Internal Trade
Ministry of Commerce & Industry,
Government of India



INTELLECTUAL
PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

Application Details	
APPLICATION NUMBER	202541035812
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	12/04/2025
APPLICANT NAME	1 . Sri Krishna College of Technology 2 . Dr.S.Sundararaj 3 . Sachin A 4 . Selvakumar T 5 . Shabareesh S K
TITLE OF INVENTION	BOREWELL RESCUE SYSTEM WITH BORE WIDENING MECHANISM
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	senanipindia@gmail.com
ADDITIONAL-EMAIL (As Per Record)	s.sundararaj@skct.edu.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	09/05/2025

Application Status	
APPLICATION STATUS	Awaiting Request for Examination
View Documents	

MECHANICAL ENGINEERING

FACULTY ACHIEVEMENT



Mr Senthil Kumar K, Asst. Professor, successfully completed "**Affective Computing**", NPTEL online course with **Elite Certification**.



Elite NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



This certificate is awarded to
SENTHIL KUMAR K
for successfully completing the course




Affective Computing

with a consolidated score of **71** %

Online Assignments	24.22/25	Proctored Exam	46.88/75
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Total number of candidates certified in this course: **3396**


Dr. Anand Srivastava
Coordinator
Continued Education Program, IIITD

Jan-Apr 2025
(12 week course)


Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras



INDRAPRASTHA INSTITUTE of
INFORMATION TECHNOLOGY DELHI



Roll No: NPTEL25CS04S343600187

To verify the certificate



No. of credits recommended: 3 or 4

MECHANICAL ENGINEERING

FACULTY PARTICIPATION



Dr V S Sreenivasan, Assoc. Professor,
completed **Industrial Training** at **Sree Murugan Tile
Works Pvt. Ltd., Pavoorchatram, Tenkasi.**



SCIENCE AND HUMANITIES

FACULTY PARTICIPATION



Dr N Venugopal, Assoc. Professor, attended "ICT Skills for Educational and Research Workspace", Faculty Development Program organized by *Malaviya Mission Teacher Training Centre* from 5-12 May 2025.



SCIENCE AND HUMANITIES

FACULTY PARTICIPATION



Ms S Vishnupriya, Asst. Professor, successfully completed "**Enhancing Soft Skills and Personality**", NPTEL course on 10 May 2025.



Elite

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

This certificate is awarded to

VISHNU PRIYA S

for successfully completing the course

Enhancing Soft Skills and Personality

with a consolidated score of **72** %

Online Assignments	23.83/25	Proctored Exam	48/75
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Total number of candidates certified in this course: **11344**



Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Feb-Apr 2025
(8 week course)



Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur



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Skill India
कौशल भारत - कुशल भारत




SCIENCE AND HUMANITIES

FACULTY PARTICIPATION



Ms B Pavithra, Asst. Professor, completed a course on **"Introduction to World Literature"** with **Elite + Silver** offered through NPTEL.



Elite

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

This certificate is awarded to

PAVITHRA B


for successfully completing the course

Introduction to World Literature

with a consolidated score of **84** %


Online Assignments	25/25	Proctored Exam	58.5/75
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Total number of candidates certified in this course: **101**




Prof. Andrew Thangaraj
Chair
Centre for Outreach and Digital Education, IITM


Jan-Apr 2025
(12 week course)



Prof. Vignesh Muthuvijayan
NPTEL Coordinator
IIT Madras




Indian Institute of Technology Madras



FREE ONLINE EDUCATION
swayam
विश्वविद्यालय, ज्ञानमय भारत

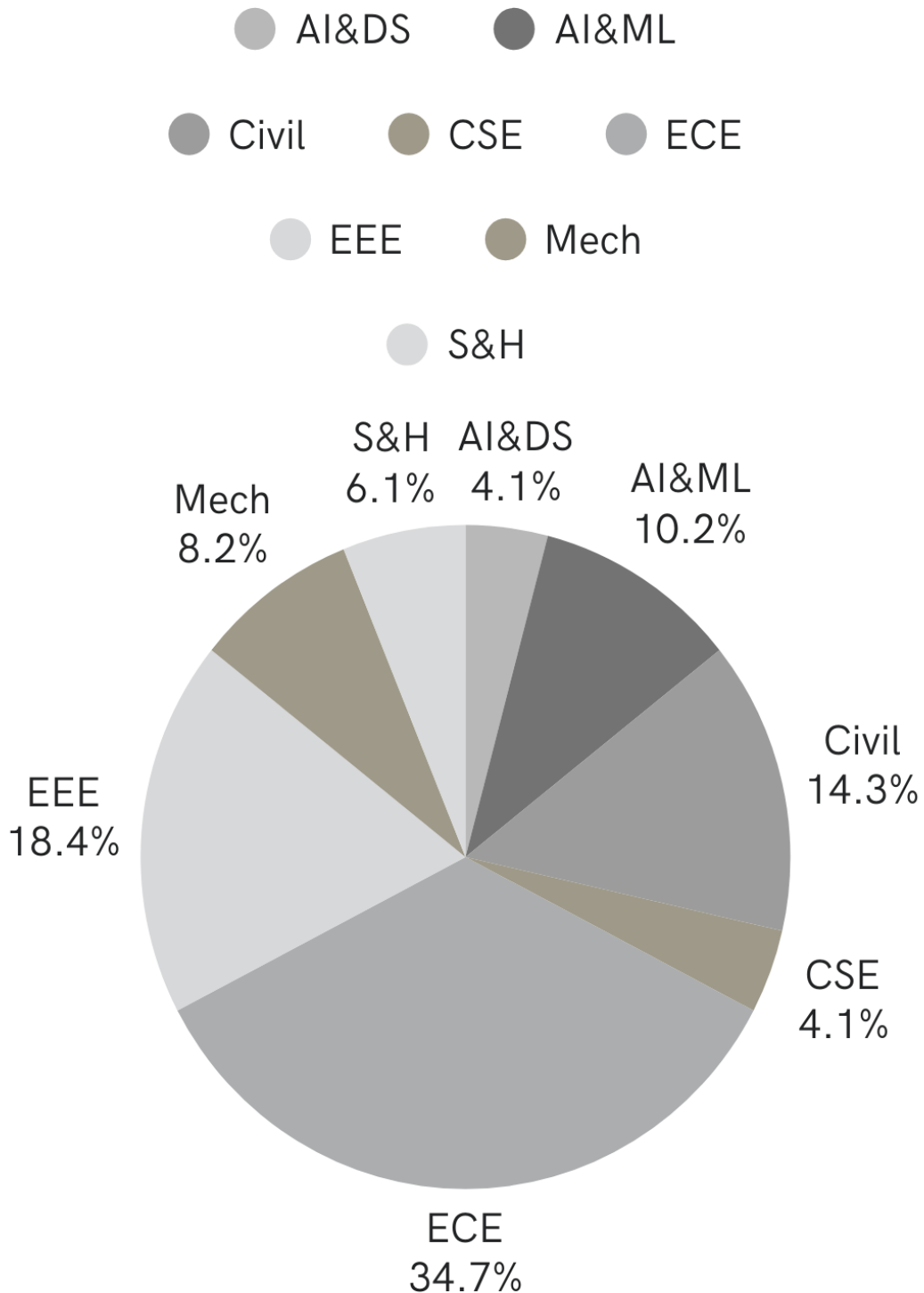
Roll No: NPTEL25HS48S643600870

To verify the certificate



No. of credits recommended: 3 or 4

CONTENT CONTRIBUTIONS BY THE DEPARTMENTS



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Principal

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Assistant Professor
Mechanical Engineering

Ms B Pavithra
Assistant Professor
English

DEPARTMENT COORDINATORS

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- Ms S Priyadharsini AP/IoT
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- Mr G Santhakumar, AP/ECE
- Mr Ajith B Singh, AP/EEE
- Mr K Senthil Kumar, AP/Mech
- Ms S Jaya Preethi, AP/MBA
- Dr B Kogilavani, AP/English

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Mr ST Francis
I B.E. CSE (CYS)

Mr SS Devadharsan
I B.E. CSE (CYS)



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