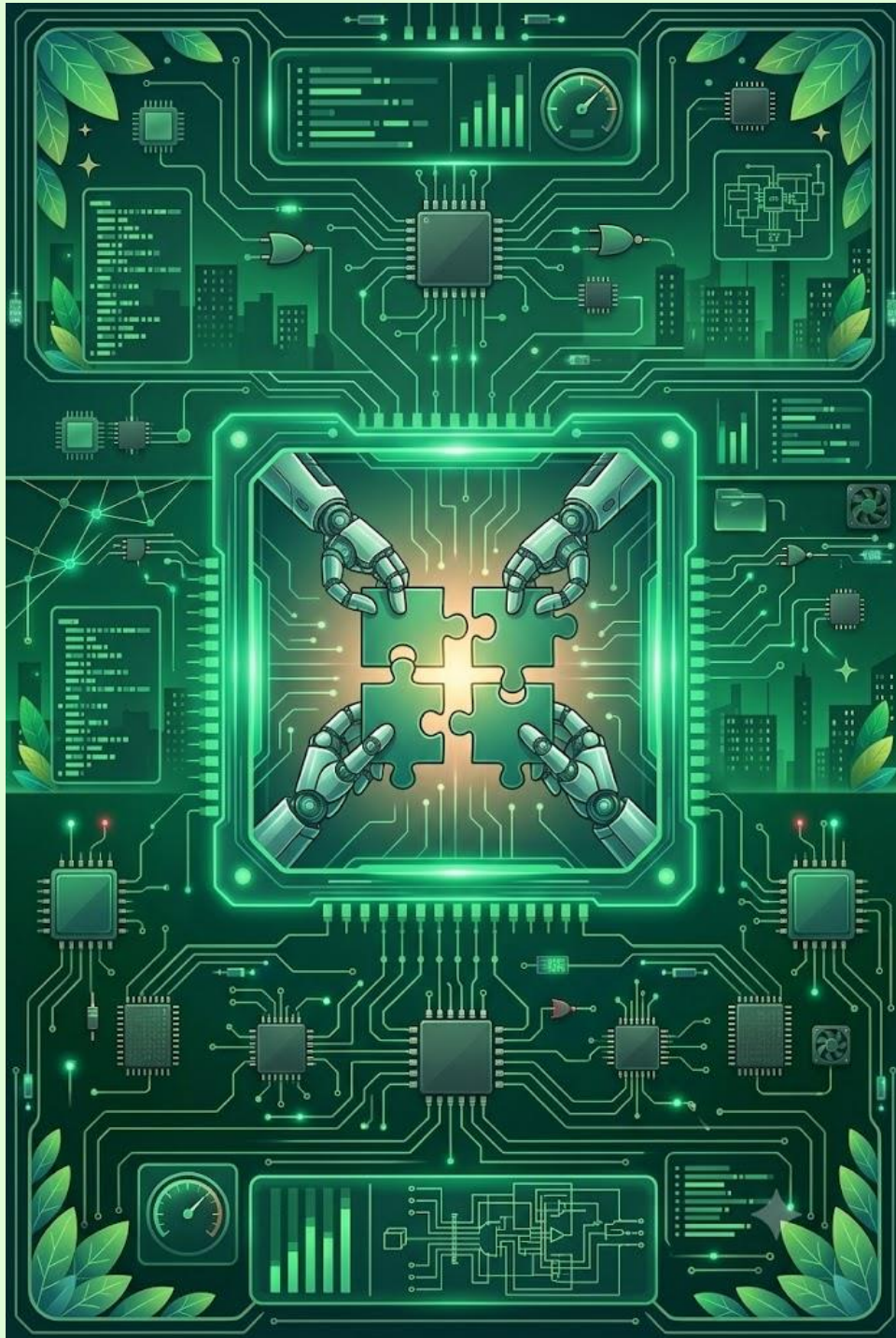


PROPAGATION

ECE NEWSLETTER

ODD SEM 2023 - 24



Velammal Institute of Technology

Vision of the Institute

To be a leader in imparting quality technical education, research, and enterprising skills in pursuit of professional excellence

Mission of the Institute

- To promote quality education & technical skills to meet the industry requirements
- To incorporate teamwork, leadership skills & lifelong learning
- To facilitate career development & higher education assistance
- To encourage innovative ideas for research & development and entrepreneurship for societal needs
- To inculcate ethical responsibility & human values

Vision of the Department

To achieve academic excellence in the field of Electronics and Communication Engineering and to produce meritorious engineers with human values by imparting high-quality technical education.

Mission of the Department

- To foster skilled Electronics and Communication Engineers to meet the current and future demands of industry and society with ethical values.
- To instil leadership quality, nurture entrepreneurial spirit and promote higher studies.
- To create a dynamic ecosystem that elevates innovation and creativity among faculty and students towards research and development.

PEO' S

PEO-I: Futuristic Learning - Graduates will attain excellence in the field of Electronics and Communication Engineering through a lifelong learning process by imbibing new technologies.

PEO-II: Career Development - Graduates will become successful engineers or researchers or entrepreneurs with social responsibilities.

PEO-III: Professionalism - Graduates will excel as estimable engineers with ethics, effective communication, and leadership skills

HoD MESSAGE



It is with great pride and enthusiasm that I present this edition of our department's newsletter. Over the past semester, we have witnessed remarkable achievements by our students and faculty — from innovative research projects and academic accomplishments to impactful community outreach and vibrant cultural activities.

Our department continues to thrive as a hub of knowledge, creativity, and collaboration. This success is a reflection of the dedication and passion of our faculty, the curiosity and resilience of our students, and the unwavering support of our alumni and partners. As we look ahead, we remain committed to fostering an environment that encourages critical thinking, interdisciplinary learning, and personal growth. I invite you all to stay engaged, continue striving for excellence, and take pride in the contributions you make to our shared academic journey. Thank you for being a part of our community. I hope you enjoy reading this newsletter as much as we have enjoyed compiling it.

NEWSLETTER EDITORS COMMITTEE

S.No	Designation	Members	Year
1	Editor	Juttur Jaswanth	IV Year
2	Editorial Committee	Pooja S	IV Year
3		Sharada S	III Year
4		Ramprawin U	III Year
5		Daniel Amirtharaj B	II Year
6		Sangeetha Priyadarshini M	II Year
7		Staff Coordinator	Kamesh M
8	Ragupathy K		Assistant Professor

AROUND THE DEPARTMENT

MoU SIGNED



An MoU was signed between the Department of ECE at Velammal ITech and Avian Aerospace Private Limited on 03.08.2023 to promote industry collaboration, technical training, internships, and research opportunities for students

An MoU was signed between the Department of ECE at Velammal ITech and TechPower Solutions on 20.10.2023 to enhance industry interaction through technical training, internships, workshops, and skill development programmes for students.





III Year ECE students visited Kamarajar Port on 11.08.2023, followed by II Year ECE students on 24.11.2023 for an industrial visit. The visit provided students with practical exposure to port operations, logistics management, and power generation-related coal handling processes at the satellite port of Chennai Port.

INDUSTRIAL VISIT



GUEST LECTURE



A Hands-on Training Programme on Internet of Things (IoT) was conducted for III Year ECE students of Velammal ITech on 12.08.2023. The session was handled by Dr. Sridevi Sridhar from SRM Institute of Science and Technology, providing students with practical exposure to IoT concepts and applications.

The Department of ECE at Velammal Institute of Technology organized a Guest Lecture on “WSN Software Tools and Simulation Programming” by Dr. Divya on 17th November. The session enhanced students’ knowledge in Wireless Sensor Networks and simulation programming

VELAMMAL
INSTITUTE OF TECHNOLOGY
Approved by AICTE - New Delhi, Affiliated to Anna University - Chennai
All Programs Accredited by NBA and NAAC
"Velammal Knowledge Park", Chennai - Kolkatta Highway, Ponnai - 601204

NBA
NATIONAL BOARD OF ACCREDITATION

NAAC
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

DEPARTMENT OF ELECTRONICS & COMMUNICATION
ORGANIZES
Guest Lecture on
WSN SOFTWARE TOOLS AND SIMULATION PROGRAMMING

NOV 17 | 1:00-2:00 PM

Dr. Divya
ASSISTANT PROFESSOR,
DEPARTMENT OF COMPUTING TECHNOLOGIES,
SRMIT KATTANKULATHUR, CHENNAI

FOR FINAL YEAR STUDENTS

VELAMMAL INSTITUTE OF TECHNOLOGY
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"Velammal Knowledge Park", Chennai - Kolkatta Highway, Ponneri - 602004

ADMISSIONS OPEN 2023-24

Department of Electronics and Communication Engineering

EXPERT TALK ON "ROADMAP TO START YOUR CAREER IN VLSI"

10:30AM to 11:30AM

12-08-2023

Dr. R. Sundararaman
Senior Manager
Tata Communications

<https://meet.google.com/agp-itow-kpz>

Coordinators
Mr. R. VinothRaj
Mrs. R. HemaLatha

Convener
Dr. B. Sridevi

Principal
Dr. N. Balaji

044-22446300 +9190876 44626 +91 90875 56789

For Admissions, contact
"Velammal Knowledge Park", Chennai - Kolkatta Highway,
Panchetti, Thiruvallur Dt. Tamil nadu.
Email - admission@velammalitech.edu.in

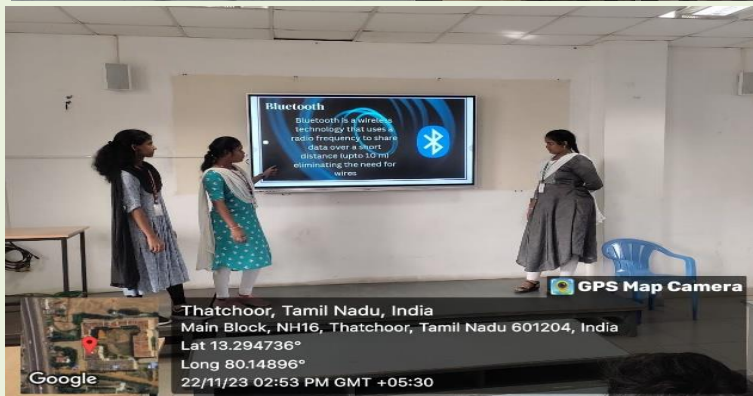
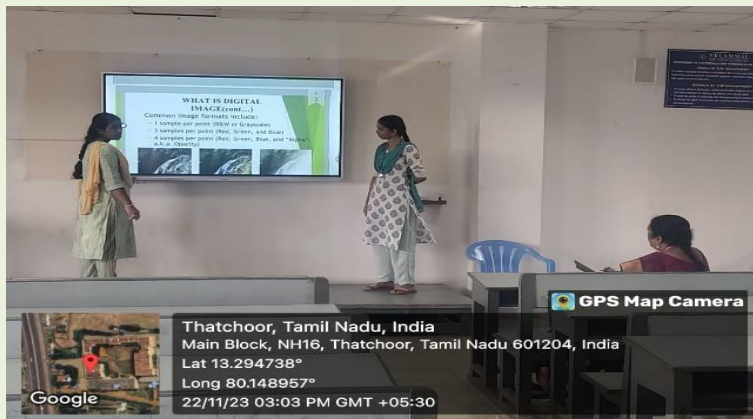
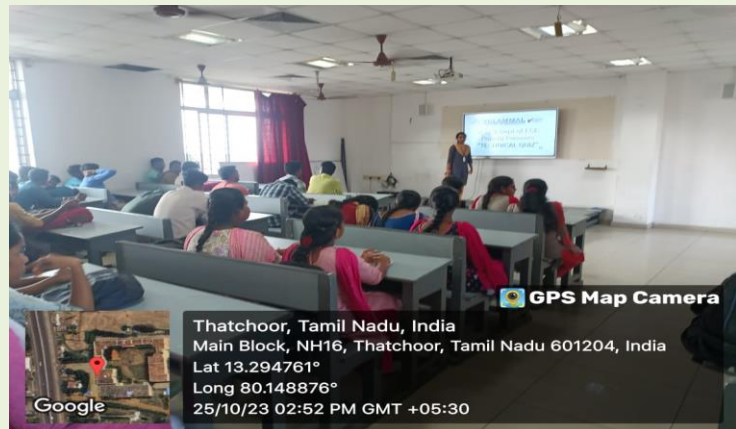
Register Online @
www.velammalitech.edu.in

The Department of Electronics and Communication Engineering at Velammal Institute of Technology organized an Expert Talk on "Roadmap to Start Your Career in VLSI" on 12th August 2023. The session was delivered by Dr. R. Sundararaman, providing students with valuable insights into career opportunities and industry trends in VLSI technology.

CLUB ACTIVITY



The YELCOM Club/IETE of Velammal Institute of Technology organized a Technical Quiz on 25th October 2023. The event encouraged students to enhance their technical knowledge, problem-solving abilities, and teamwork through an engaging and competitive learning experience.



The YELCOM Club/IETE of Velammal Institute of Technology organized an Idea Presentation event on 22nd November 2023. The event provided a platform for students to showcase innovative ideas, enhance presentation skills, and promote creativity and teamwork.

PLACEMENT TRAINING

VELAMMAL INSTITUTE OF TECHNOLOGY
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"Velammal Knowledge Park", Chennai - Kolkatta Highway, Ponneri - 602024

Department of Electronics and Communication Engineering

"TECHNIQUES FOR INTERVIEW SUCCESS"

8:30AM to 3:30PM

First Floor Seminar Hall

14-10-2023

Targeted Audience: Third year & Final year students

Dr. Venkat Kumaresan
Author / Keynote Speaker / Coach

Coordinators
Mr. G. Sethuram Rao
Mr. R. Vinoth Raj

Convener
Dr. B. Sridevi

Principal
Dr. N. Balaji

044-22446300 +9190876 44626 +91 90875 56789

For Admissions, contact
"Velammal Knowledge Park", Chennai - Kolkatta Highway,
Panchetti, Thiruvallur Dt. Tamil nadu.
Email - admission@velammalitech.edu.in

Register Online @
www.velammalitech.edu.in

The Department of Electronics and Communication Engineering at Velammal Institute of Technology organized a motivational session on "Techniques for Interview Success" on 14th October 2023. The session was delivered by Dr. Venkat Kumaresan, guiding students on interview skills, confidence building, and career preparation strategies.

The Department of Electronics and Communication Engineering at Velammal Institute of Technology organized a Mock Interview session on 12th August 2023. The session was conducted by Prabhu Ram S to help students improve their interview skills, communication, and confidence for placement opportunities.

VELAMMAL INSTITUTE OF TECHNOLOGY
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"Velammal Knowledge Park", Chennai - Kolkatta Highway, Ponneri - 602024

Department of Electronics and Communication Engineering

ADMISSIONS OPEN 2023-24

WELCOMES PRABHU RAM S
SENIOR SOFTWARE ENGINEER
HCL TECH, CHENNAI
ALUMNI 2013-2017
BE-EEE

for conducting
MOCK INTERVIEW
12-08-23
(Saturday)

Timing: 11.30 AM to 3.00 PM

Venue: ECE Department

Staff Coordinators
Mr. K. Ragupathi, AP-ECE
Mr. G. Sethuram Rao, AP-ECE

Dr. B. Sridevi
Professor & Head
ECE Department

Dr. S. Soundararajan
Vice Principal

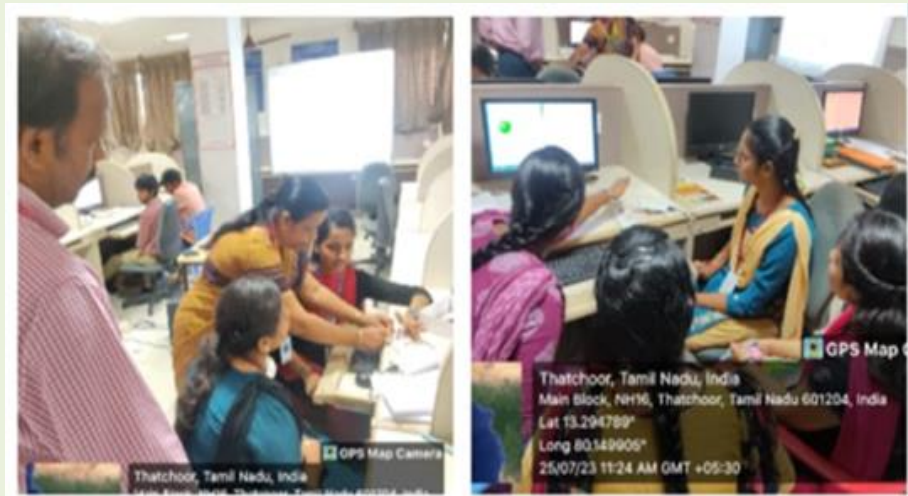
Dr. N. Balaji
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Email - admission@velammalitech.edu.in

Register Online @
www.velammalitech.edu.in

VALUE ADDED PROGRAM



The Department of Electronics and Communication Engineering at Velammal Institute of Technology organized a 30-hour Value Added Program on LabVIEW. The program provided students with practical exposure to virtual instrumentation, programming concepts, and real-time applications, enhancing their technical and analytical skills.

The Department of ECE in association with the Higher Studies Cell, organized a seminar on “Higher Studies Opportunities Abroad with Scholarship” on 21st September 2023. The session was delivered by Mr. Lakshmi Narayanan, providing students with guidance on international education opportunities and scholarship programs.



HIGHER STUDIES AWARENESS PROGRAM



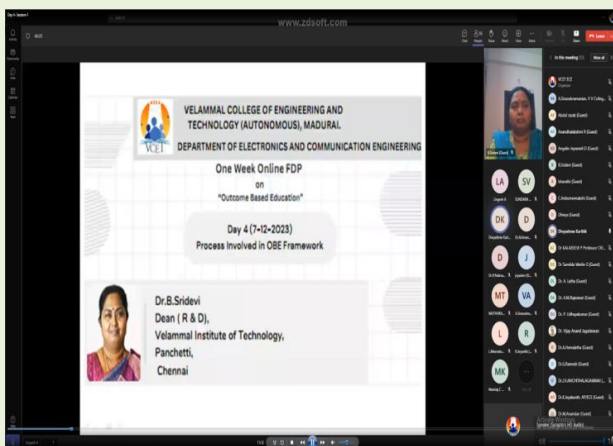
Velammal Institute of Technology conducted a seminar on *Higher Studies Opportunities and Guidance for Competitive Examinations* for ECE 4th year students on 20 October 2023. The session by S. Raja Sekaran and Anoop Francis offered valuable guidance on higher studies and competitive exam preparation.

FACULTY CORNER



Dr. G. Sethuram Rao co-authored the book *Computer Networks* along with Dr. B.V. Santhosh Krishna and Dr. C. Raja. The book, published by ARS Publications in 2023, serves as a valuable academic resource for Computer Science and Information Technology students.

Dr. B. Sridevi served as an Invited Speaker at an International Conference held in Indonesia on 17-18 October 2023, where she shared her expertise and contributed to academic discussions at the global level.



Dr. B. Sridevi acted as a Session Speaker in the One Week Online Faculty Development Programme on *Outcome Based Education* conducted on 07 December 2023, sharing valuable insights on effective teaching and learning practices in higher education.

Dr. G. Shanmugaraj received an R&D project sanction from MSME for the project titled *Design of Smart Waterless Solar Panel Cleaning Wiper*, promoting innovative and sustainable solar panel maintenance technology.

A consultancy project titled *An IoT Based Green House Monitoring System* was successfully carried out in collaboration with MIT Square, reflecting innovation in smart agriculture and industry-academia partnership.

MIT Square
We transform your life

Congratulations!

**CONSULTANCY PROJECT
2023**

Funded by
MIT
SQUARE

**B. Sridevi, R. Jothi
Chitra, M
Sivarathinabala, K.
Ragupathi, V. Vinoth
Kumar**

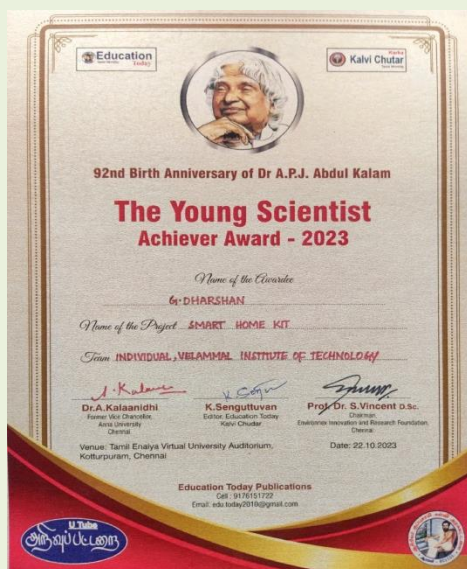
**Velammal
Institute
of
Technology**

**successfully completed the consultancy project
with MIT Square with a patent on
"An IoT-based Green House Monitoring System"**

mitsquare.com mitsquare MIT Square MIT Square

STUDENT CORNER

Velammal Institute of Technology participated in the Regional Meet of Institution's Innovation Council (IIC) held on 1st December 2023 at B. S. Abdur Rahman Crescent Institute of Science and Technology and received a Certificate of Participation from the Ministry of Education's Innovation Cell.



G. Dharshan received the *Young Scientist Achiever Award – 2023* on the occasion of the 92nd Birth Anniversary of Dr. A.P.J. Abdul Kalam for the project titled *Smart Home Kit*. The award was presented on 22 October 2023 at Anna University Auditorium, Chennai, recognizing innovation and scientific excellence.

Our students achieved remarkable success in **NCAT 2023**, securing impressive national-level ranks through dedication and hard work. We proudly congratulate for bringing honor to the institution with their outstanding achievements. Their accomplishment reflects the spirit of excellence and perseverance encouraged by our college.



A total of **153 students** successfully completed various certification courses from leading global platforms such as **Google, IBM, Infosys, CISCO, Microsoft, and NCAT**. Among them, **Google Certification Courses** recorded the highest participation with **133 completions**, reflecting the students' strong interest in industry-oriented skill development and continuous learning.



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

This certificate is awarded to
CHARUNYA D P
 for successfully completing the course

Introduction to Industry 4.0 and Industrial Internet of Things

with a consolidated score of **79 %**

Online Assignments	25/25	Proctored Exam	54/75
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Total number of candidates certified in this course: **9534**

Jul-Oct 2023
 (12 week course)

Prof. Haimanti Banerji
 Coordinator, NPTEL
 IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL23CS8233342348 To verify the certificate No. of credits recommended: 3 or 4

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

This certificate is awarded to
JAI SUDHI B
 for successfully completing the course

Introduction to Internet of Things

with a consolidated score of **84 %**

Online Assignments	24.38/25	Proctored Exam	60/75
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Total number of candidates certified in this course: **25880**

Jul-Oct 2023
 (12 week course)

Prof. Haimanti Banerji
 Coordinator, NPTEL
 IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL23CS823103341673 To verify the certificate No. of credits recommended: 3 or 4

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

This certificate is awarded to
SIVASUBRAMANI C
 for successfully completing the course

Problem Solving Through Programming in C

with a consolidated score of **76 %**

Online Assignments	24.88/25	Proctored Exam	51.03/75
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Total number of candidates certified in this course: **3857**

Jul-Oct 2023
 (12 week course)

Prof. Haimanti Banerji
 Coordinator, NPTEL
 IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL23CS1215533408630 To verify the certificate No. of credits recommended: 3 or 4

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

This certificate is awarded to
SRINIVASA PRABHU S
 for successfully completing the course

Introduction to Industry 4.0 and Industrial Internet of Things

with a consolidated score of **76 %**

Online Assignments	25/25	Proctored Exam	51/75
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Total number of candidates certified in this course: **9534**

Jul-Oct 2023
 (12 week course)

Prof. Haimanti Banerji
 Coordinator, NPTEL
 IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL23CS8233343298 To verify the certificate No. of credits recommended: 3 or 4

A total of **60 students** successfully completed NPTEL courses during the period of **July 2023 to October 2023**. Among them, **11 students secured Elite Silver certification**, while **21 students achieved Elite certification**, showcasing their dedication towards academic excellence and skill enhancement through online learning platforms.