

Gnanamani College of Technology

(AUTONOMOUS)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

NH-7, A.K. Samuthiram, Pachal – 637018, Namakkal (Dt.), Tamilnadu, India.

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CETA TIMES



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NEWS LETTER

To serve as a dynamic platform for sharing academic achievements, innovative research, technological advancements, student and faculty accomplishments, departmental events, and industry trends. It aims to foster communication, collaboration, and a sense of community among students, faculty, alumni, and industry partners, while promoting a culture of knowledge sharing, innovation, and continuous learning within the department.

INSIDE THE ISSUES

- Achievements/Awards/Honours
- Paper Publication in Journal
- Paper Publication in Conference FDP/Seminars/Workshops Attended
- Organized Events
- Paper /Project Presentations

Editorial Board:

Dr.R.Umamaheswari HoD/CSE

Mrs.P.Sathyasutha AP/CSE

Mr.G.Sivakumar AP/CSE

Students Coordinators:

Ajay L, Final year

Mr. MD Arshal Raza, Third year

Volume 12 | Issue 1 | 2024-2025

COMPUTER SCIENCE AND ENGINEERING

The program is dedicated to advancing education and research in the Computer Science and Engineering field through partnerships with industries. Research is actively conducted in areas including Distributed Computing, Service-Oriented Architecture, Networking, Computer Technologies, Programming Languages, Database Management, Software Engineering, Operating Systems, Image Processing, Information Retrieval, Storage Management, Data Warehousing and Mining, Big Data Analytics, Cloud Computing, and Computational Intelligence.

Students and faculty are also given excellent opportunities to join various professional organizations such as IEEE and CSI. The program is supported by well-equipped laboratories and a comprehensive library filled with the latest and highest quality books, journals, and magazines.

Additionally, the program encourages students to engage in research, which makes them highly desirable to leading IT firms in India. It has developed into a competitive program focused on students, designed to significantly enhance the learning experience through lab sessions, assignments, training, seminars, projects, and independent studies. One of the program's greatest strengths is the strong sense of loyalty that our alumni feel toward it.



GNANAMANI EDUCATIONAL INSTITUTIONS

Gnyanamani Educational Institutions that have carved a niche for itself in the field of engineering education within a very short span of time. Gnanamani College of Technology which was established in the year 2006, the group comprises of Gnanamani College of Education, established in the year 2005.

Gnanodaya CBSE International School was established in the year 2015. These Institutions serve under the aegis of The Christian Educational Development Trust.

Gnyanamani Educational Institutions were established in a well-planned campus with a green environment. The Colleges are spread on a sprawling 60 acres of serene land. The Colleges are easily accessible from all major cities by road and railway networks.

These Institutions have emerged as a pioneer venture in the field of Technical Education. Dr.T.Arangannal – a Rashtria Vidhya Saraswathi Puraskar Awardee is the Chairman and Mrs.P.Malaleena is the Chairperson of the Educational Institutions.

GNANAMANI COLLEGE OF TECHNOLOGY

Gnanamani College of Technology is a leading Institution with state-of-the-art facility. The college is affiliated to Anna University and Autonomous approved by AICTE.

The institution is rendering noble service to the youths in rural and urban areas.

The college is accredited by the NAAC and NBA (CSE, ECE, EEE, and Mechanical). The college has grown in a short span of 17 years with 12 UG Courses namely Agricultural, Artificial Intelligence and Data Science, Bio-Medical, Biotechnology, Chemical, Computer Science, Electrical and Electronics, Electronics and Communication, Food Technology, Mechanical, Information Technology and Pharmaceutical Technology.

The Institute also offers 9 PG courses in Computer Science, Construction Engineering and Management, Environmental Engineering, Embedded System Technology, Power Electronics and Drives, Industrial Engineering, VLSI Design, BME, MBA and MCA.

INSTITUTE VISION

Emerging as a technical institution of high standard and excellence to produce quality Engineers, Researchers, Administrators and Entrepreneurs with ethical and moral values to contribute the sustainable development of the society.

INSTITUTE MISSION

We facilitate our students

- To have in-depth domain knowledge with analytical and practical skills in cutting edge technologies by imparting quality technical education.
- To be industry ready and multi-skilled personalities to transfer technology to industries and rural areas by creating interests among students in Research and Development and Entrepreneurship.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

The Computer Science and Engineering Department was established in the year 2006 with an intake of 60 students and increased to 180 students. The Department equipped with well qualified and experienced faculty members. The Department has good laboratory facilities with latest and updated versions of the software and 24 hours Wi-Fi enabled Internet facility. The Department conducts periodic workshops, seminars, symposiums and conferences to help the students, research scholars and corporate world to unite in a common place and thereby strengthen the Industry Institution fusion. The Department has a very good placement record and our students have got placed in leading companies like TCS, WIPRO, Tech Mahindra, CTS, IBM, HCL Info systems, etc.

All the laboratories are well equipped with excellent infrastructure and state of the art equipment to explore the technological challenges and to impart the research oriented practices in the field of Computer Science.

VISION

To evolve as a Centre of Excellence to produce the most competent software professionals, researchers, entrepreneurs and academicians with ethical keys in Computer Science and Engineering.

MISSION

- Imparting quality education through latest technologies to prepare Students as software developer and system analyst.
- Inculcating the technological transformations for the sustainable development of society.
- Promoting excellence towards higher education, research, employability and entrepreneurship.

PROGRAM EDUCATIONAL OBJECTIVES

Graduates of Computer Science and Engineering will

- **PEO-1:** Be capable of design by applying the concepts of science, mathematics, engineering fundamentals and computing for the rapid change of society requirements.
- **PEO-2:** Demonstrate ethical keys, effective communication and team skills in their profession and adapt to current trends through lifelong learning.
- **PEO-3:** Be expert in profession, higher education, research and entrepreneurship.

PROGRAM SPECIFIC OUTCOMES

Graduates of the program will be able to

- **PSO-1:** Understand, analyze and develop computer applications in data Mining/ Analytics, Cloud Computing, Networking, Security, etc. to meet the requirements of industry and society.
- **PSO-2:** Enrich the ability to design and develop software and qualify for Employment, Higher studies and Research.

PROGRAM OUTCOMES

Engineering knowledge:

Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems

Problem analysis:

Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.

Design/development of solutions:

Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal and environmental considerations.

Conduct investigations of complex problems:

Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of the information to provide valid conclusions.

Modern tool usage:

Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

The engineer and society:

Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

Environment and sustainability:

Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

Ethics:

Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

A Individual and team work:

Function effectively as an individual and as a member or leader in diverse teams, and in multidisciplinary settings.

Communication:

Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

Project management and finance:

Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

Life-long learning:

Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM ORGANIZED BY OUR DEPARTMENT

Guest Lecture on “No More Coding” Organized by CSE, IT and AI&DS in Association with IIC and ISTE by Mr. Sathish Kumar, Senior program Manager / Senior Product Owner, Tech Mahindra, Chennai.

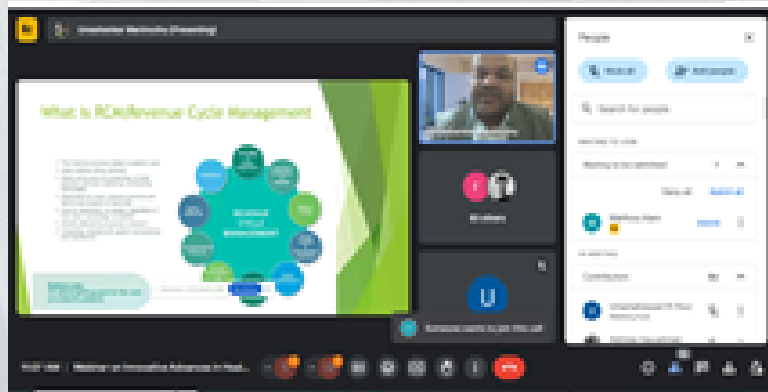


We are delighted to inform that the Department of Computer Science and Engineering in association with IIC and ISTE organized seminar on “Innovative Business Models for Entrepreneurs” on 21/08/2024. The guest speaker for the programme was Mr. P.Prakash, Founder and CEO, Waafe Arrow, Namakkal.

We are delighted to inform that the Department of Computer Science and Engineering in association with IIC and ISTE organized webinar on “Impact on Gen.AI and LLMs in Big Data Analysis” on 17/08/2024. The guest speaker for the programme was Dr.Harishchander Anandaram, Assistant Professor(Senior Grade) in Amrita School of Artificial Intelligence, Amrita Vishwa Vidyapeetham, Coimbatore.

PROGRAM ORGANIZED BY OUR DEPARTMENT

We are delighted to announce that the Department of Computer Science and Engineering, in association with IIC, successfully organized an “Idea Competition” on the 27th and 28th of November 2024. Talented young entrepreneurs from Gnanamani College of Technology showcased their innovative ideas, presenting the next level of proposals for their future Entrepreneurship.



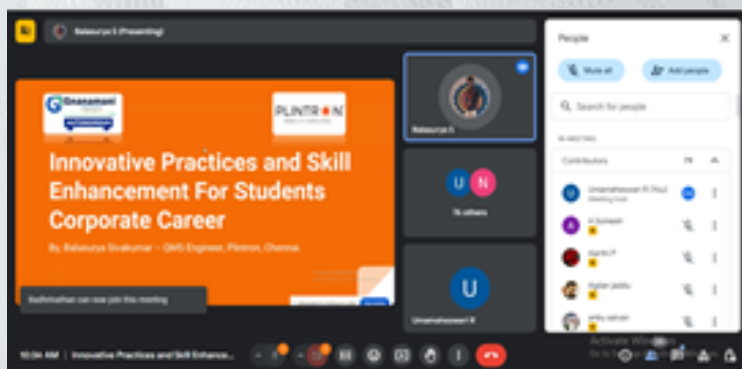
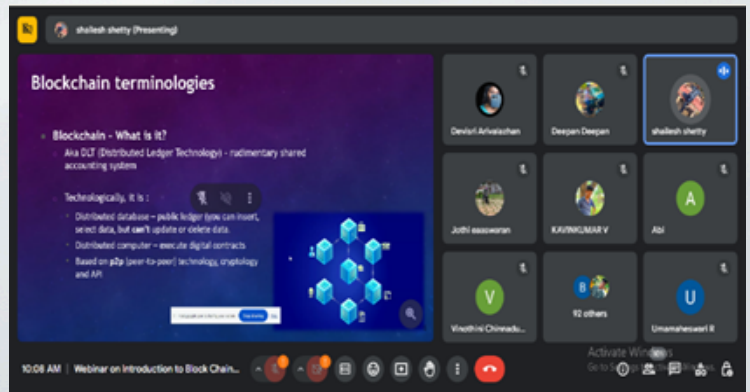
We are delighted to inform that the Department of Computer Science and Engineering in association with IIC, EDC and ISTE organized webinar on “Innovative Advances in Healthcare Revenue Cycle Systems” on 09/10/2024. The guest speaker for the programme was Mr. Umashankar, IQVIA, Payer Provider Group, Associate Director, AME SA Region, Dubai, United Arab Emirates.

We are delighted to inform that the Department of Computer Science and Engineering in association with IIC and ISTE organized webinar on “Securing Open Source Software Ingestion” on 25/08/2024. The guest speaker for the programme was Mr. Suryaprakash Nalluri, IT&Cybersecurity Leader, Author, Inventor and Coach, Dallas, Texas.



PROGRAM ORGANIZED BY OUR DEPARTMENT

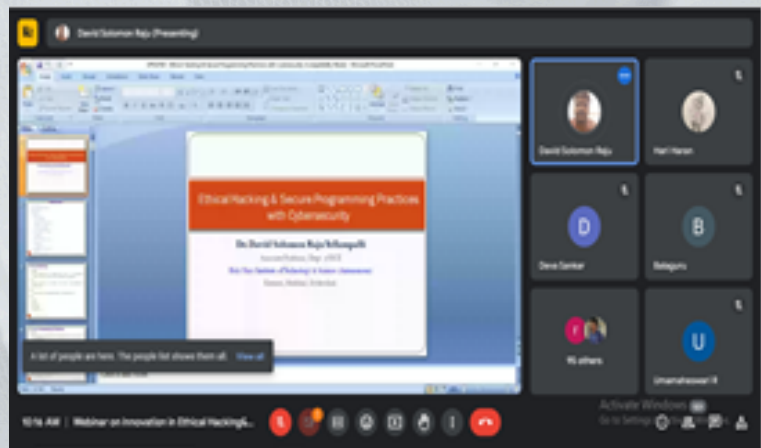
We are delighted to inform that the Department of Computer Science and Engineering in association with IIC and ISTE organized webinar on “Introduction to Blockchain and it’s Applications” on 20/08/2024. The guest speaker for the programme was Mr. S. Shailesh Shetty, HoD/CSBS, Srinivas Institute of Technology, Valachi, Mangalore.



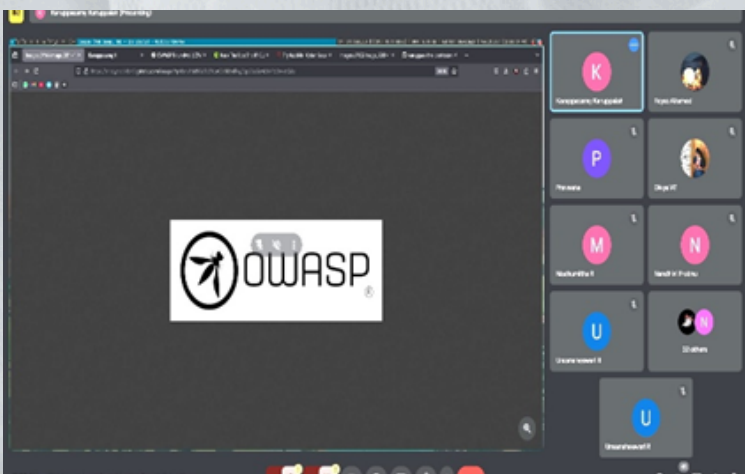
We are delighted to inform that the Department of Computer Science and Engineering in association with IIC and ISTE organized Alumni Talk Series on “Innovative Practices and Skill Enhancement for Students Corporate Career” on 24/08/2024. The guest speaker for the programme was Mr. S. Balasurya, QMS Engineer, Plintron, Chennai.

We are delighted to inform that the Department of Computer Science and Engineering in association with IIC and ISTE organized webinar on “Innovation in Ethical Hacking & Secure Programming Practices with Cybersecurity” on 23/08/2024. The guest speaker for the programme was

Dr. David Solomon Raju Yellampalli, Associate Professor, Department of ECE, Holy Mary Institute of Technology & Science (Autonomous), Keesara, Medchal, Hyderabad.



We are delighted to inform that the Department of Computer Science and Engineering organized a Webinar in association with IIC and a part of Student Club Activity titled as Insights and Exploration of Cyber Security on 23.11.2024. The guest for the webinar was Mr. K. Karuppasamy, Cyber Security Engineer, OWASP Chapter Member.



STUDENT ACTIVITIES

Conference (International / National Level) Paper Presentation

S.No.	Student Name	Date	Paper Title	Title of Conference	Organizing Institution & Venue
1	R Prasanna	27.09.2024	Data Visualization	Industry 5.0 on Global Competitiveness-Strategies for MSMEs	K.S.Rangasamy College of Arts and Science (Autonomous)
2	L Kevin Samuvels	27.09.2024	Data Visualization	Industry 5.0 on Global Competitiveness-Strategies for MSMEs	K.S.Rangasamy College of Arts and Science

Sports Activities

S. No.	Student name	Year	Title of the Event	Date	Organizing Institution & Venue	Prize Won
1	Indhuja N	III -C	Athletics Women (1500 mts)	23.10.2024 to 24.10.2024	Anna University Sports Board Zonal Tournaments 24-25	III

Value added courses

Sl. No.	Student name	DATE	COURSE NAME	ORGANIZATION
1	Narmatha J	Aug 2024	Front end Development - HTML	Great Learning
2	Ajith Kumar M	14.10.2024	Build Your own Ticketing App in a Week	GUVI
3	Prabu R	20.08.2024	Python	Cybernaut's Tech
4	Narmatha J	20.08.2024	Python	Cybernaut's Tech
5	Kamalesh M	20.08.2024	Python	Cybernaut's Tech
6	Paul Jones V	20.08.2024	Python	Cybernaut's Tech
7	Kamalesh R	20.08.2024	Python	Cybernaut's Tech
8	Nandhini P	20.08.2024	Python	Cybernaut's Tech
9	Kamaleshwaren S	20.08.2024	Python	Cybernaut's Tech
10	Jothi S	20.08.2024	Python	Cybernaut's Tech
11	Ranjini M	20.08.2024	Python	Cybernaut's Tech
12	Joshitha V	20.08.2024	Python	Cybernaut's Tech

STUDENT ACTIVITIES

Worth Mentioning Activities (Awards, Recognition)

Sl. No.	Student name	Date	Activity	Awarding Institution / Organization / Journal
1	S Sudhakar	Jul-Oct 2024	Data Structure and Algorithms using Java	NPTEL
2	Vibhav Ayush Raj	Jul-Oct 2024	Data Structure and Algorithms using Java	NPTEL
3	G Cheran	Jul-Oct 2024	Data Structure and Algorithms using Java	NPTEL
4	A Harish	Jul-Oct 2024	Programming in Java	NPTEL
5	LJ Jamsith Aslam	Jul-Oct 2024	Programming in Java	NPTEL
6	Komal Kumari	Jul-Oct 2024	Data Science using Python	NPTEL
7	P Sivasankri	Jul-Oct 2024	Programming in Java	NPTEL
8	M Sanjay	Jul-Oct 2024	Programming in Java	NPTEL
9	Rotih Kumar	Jul-Oct 2024	Data Structure and Algorithms using Java	NPTEL
10	Vijiyasree R	Jul-Oct 2024	Programming in Java	NPTEL
11	S Nithyadharshini	Aug-Oct 2024	Google Cloud Computing Foundations	NPTEL
12	V T Divya	27.09.2024	Polymer Memory	KSR College of Engineering
13	V T Divya	27.09.2024	Connection	KSR College of Engineering
14	V T Divya	08.10.2024	Connection (Ist Prize)	Annapoorana College of Engineering
15	Vinothini C	08.10.2024	Connection (Ist Prize)	Annapoorana College of Engineering
16	V T Divya	18.10.2024	Flick's hub 2.0 (II Prize)	Mahendra College of Engineering
17	Swetha R	18.10.2024	Flick's hub 2.0 (II Prize)	Mahendra College of Engineering
18	Subisri S	18.10.2024	Flick's hub 2.0 (II Prize)	Mahendra College of Engineering
19	Indhuja N	23.10.2024 to 24.10.2024	Athletics Women (IIIrd Prize)	Anna University Sports Board Zonal Tournaments 24-25
20	Gokulapriyan MA	25.10.2024	Short Film (IIInd Prize)	Mahendra College of Engineering
21	Shyam Kumar	08.11.2024	Technical Quiz (II Prize)	Shree Sathyam College of Engineering and Technology

**THE COMPUTER WAS
BORN TO SOLVE
PROBLEMS**

**THAT DID NOT
EXIST BEFORE**

**COMPUTER
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Ajay L, Final year

Mr. MD Arshal Raza, Third year

Volume 12 | Issue 2 | 2024-2025

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Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of the information to provide valid conclusions.

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A Individual and team work:

Function effectively as an individual and as a member or leader in diverse teams, and in multidisciplinary settings.

Communication:

Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

Project management and finance:

Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

Life-long learning:

Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM ORGANIZED BY OUR DEPARTMENT

We are delighted to inform that the Department of Computer Science and Engineering in association with ISTE organized Workshop on "The Future of AI Intelligent agents and Beyond learn and build your AI" on 08/05/2025. The Guest of this event was Mr.Aakash Dhakshnamoorthy, AI Developer, Torry Harris Integration Solutions, Bengalur.



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We are delighted to inform that the Department of Computer Science and Engineering in collaboration with ProMind Learning Academy organized 3 days Workshop on "Hands on Training on Design and Development of Line Follower Robot" on 21/02/2025, 22/02/2025 and 24/02/2025. The Guest of this event was Mr.V.Ashok Raja, Project Developer, ProMind Learning Academy, Erode.



PROGRAM ORGANIZED BY OUR DEPARTMENT

This is to inform you that the Internal Quality Assurance Cell (IQAC) in part of the Centre of Excellence (COE) is organizing a six days FDP entitled “Enhancing Programming Skills” from 15/04/2025 onwards at COE, Main block, First floor from 03:00 PM—05:00 PM. All the HoDs and staff members are invited to attend the FDP and make it a grand success.



This is to inform that the Department of Computer Science and Engineering in association with ISTE organizing an Alumni Talk Series entitled “Insights of Scrum Data” on 10/02/2025 at Michael Faraday Hall.

We are delighted to inform that the Department of Computer Science and Engineering in association with IIC and ISTE organized a seminar entitled "Pathway to become an Entrepreneur” and the chief guest for this event was Mr.P.Prakash, Founder & CEO, WAAFE ARROW, Namakkal.

PROGRAM ORGANIZED BY OUR DEPARTMENT

We are delighted to inform that the Department of Computer Science and Engineering in association with IIC organized field visit to "Skycirrus Technologies" at Rasipuram. The visit was a valuable opportunity to observe how innovative ideas are transformed into real-world solutions within a successful business environment.



We are happy to inform that the Department of Computer Science and Engineering in association with IIC, EDC and ISTE organized a seminar entitled "The Entrepreneur's Playbook from Nocode to Next Level_" on 06/02/2025. The guest speaker for the programme was Mr.G.Jayasurya, Cybernaut Edu-Tech LLP, Founder&CEO, Karur.

CSE

STUDENT ACTIVITIES

Events within States

S.NO	Description	No. of Students Participated
1	Conference	50
2	Symposium Paper Presentations	40
3	Seminars / Workshops	50
4	Events (Debugging, Quiz etc)	70
5	Project Presentations	10
6	Sports	5
7	Project Internships	196

Events outside state

S.NO	Description	No. of Students Participated
1	Seminars / Workshops	15
2	Project Presentations	2
3	Project Internships	25



STUDENT ACTIVITIES

Events within States

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1	Conference	50
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3	Seminars / Workshops	50
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STUDENT ACTIVITIES

NPTEL - Achivement

S. NO	NAME OF THE STUDENT	YEAR	TITLE OF THE COURSE	STATUS
1	Nithyadharshini S	II	Programming in Java	PASS
2	Ajith Kumar	II	Programming in Java	PASS
3	Amitkumar Ranjan	III	Cloud Computing	PASS - ELITE
4	Ananthika S	III	Cloud Computing	PASS - ELITE
5	Haripriya M	III	Cloud Computing	PASS - ELITE
6	Himanshu Raj	III	Cloud Computing	PASS
7	Sanjeevi S	III	Cloud computing	PASS - ELITE
8	Shanmugavel K	III	Cloud computing	PASS - ELITE
9	Sopika K	III	Problem solving through programming in C	PASS - ELITE
10	Srinisha S	III	Cloud computing	PASS
11	Vignesh P	III	Cloud computing and distributed system	PASS
12	Bharath kumar J N	III	Introduction to internet of things	PASS - ELITE + Silver
13	Paul Jones V	III	Cloud Computing	PASS - ELITE



One of our department students has been issued an ID card by the Tamil Nadu Skill Development Corporation to support their startup initiative.

STUDENT ACTIVITIES

HackQuest 2025

won the cash prize of Rs.5,000/-



**WON THE CASH PRIZE OF RS.5,000/-
SOLO INSTRUMENT PLAYING -TABLA**

SOCIAL MEDIA CLUB - PRESIDENT



STUDENT ACTIVITIES

First Prize

*Paper Presentation in INNOBITS'25
a National Level a Technical
Symposium*



**ICONIC DESIGN IN ASTA 2K25
NATIONAL LEVEL A TECHNICAL
SYMPOSIUM**



**TECHNICAL QUIZ IN CHAKRAVYUH'25
NATIONAL LEVEL TECHNICAL
SYMPOSIUM**



Journal Publication Details

S. No	Student name	Paper Title	Journal Name, Volume, No, Month /Year
1	Barath G Gopinath S Jayakumar S Kannan M	A Real-Time system for Agricultural Query Resolution and Farmer support	International Journal of Research and Analytical Reviews
2	Priyanka P Komal Kumari Kaviya B Shafaquat Perween	Smart Flood Alert System Enabled With Sms & Voicecall Using Iot	International Journal of Research and Analytical Reviews
3	Sudhakar S Sanjay M Parthasarathi R Selladurai J	Hybrid Intelligence for Diabetes Prediction Using Arima and LSTM Models	International Journal of Research and Analytical Reviews
4	Dharshini V Jothi Priya G Lavanya R Deepthi M	Automatic Medicine Dispenser using IOT	Indica Journal Volume 6 Issue 5 2025
5	Anjali P Dhivya K Kalpana R Lucky Kumari	Enhancing Lung Cancer Diagnosis: A Classification Based Machine Learning Approach	Indica Journal Volume 6 Issue 5 2025
6	Boobana G Dharshini R Kavitha S Mangaiyarkarasi A	Multimodal Biometrics System (Vein Pattern and Face) with Gender Classification using Deep Learning Algorithm	Indica Journal Volume 6 Issue 5 2025

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