



JANSONS
INSTITUTE OF TECHNOLOGY

DEPARTMENT OF
COMPUTER SCIENCE AND
ENGINEERING

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TECHNOPHILE 01



VISION OF THE INSTITUTION

To germinate and develop a unique brand of engineers who will be change agents in the field of technology.



MISSION OF THE INSTITUTION

To impart quality value-based Technical Education. To prepare and strengthen young minds for their future prospects. To inculcate ethical standards and passion towards sustainable development.





DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ABOUT:

The Department of Computer Science and Engineering was established in 2009 with a yearly intake of 90 students. The Department has a comprehensive curriculum on topics related to all aspects of Computer Hardware and Software with an emphasis on practical learning.

The course is affiliated with Anna University, Chennai, having up-to-date courses on embryonic topics to equip our students with the latest developments. The Department provides an outstanding education and research environment complemented by excellence in teaching. The Department has state of the art infrastructure and computing equipment supported by high-speed Ethernet and Internet facilities.

Our faculty members aim to deliver top class education blending their rich research experience with classroom teaching. The Department takes special efforts to reduce the gap between Industry and Institute by inviting prominent persons from industries to interact with students. Computer Science and Engineering is a vital branch for all Engineering and Technology area.

It gives lot of exposure to diversified Engineering areas like telecommunication, satellite image analysis, weather forecasting, software development, Business Process Outsourcing and medical fields in enhancing the human lifestyle. Hence the employment potential is very high for Computer Science Engineers.



VISION OF THE DEPARTMENT

To produce qualified, self-driven professionals in the field of computer science and engineering.



MISSION OF THE DEPARTMENT

To impart quality education towards producing budding professionals in the field of computer science and engineering. To sculpt young minds and empower them in pursuit of meeting their future career demands. To inculcate moral values to become socially responsible, ethical, and competitive professionals towards viable growth.





Program Educational Objectives (PEOs):

- ◆ Graduates will be computing professionals who perform and lead design, development, and project operations in the software and information technology industries.
- ◆ Graduates will pursue higher education, be involved in research, or become entrepreneurs.
- ◆ Graduates will be ethically, socially, and environmentally responsible and contribute to society and the country.

Program Outcomes POs:

Engineering Graduates will be able to:

- A. Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
- B. 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.
- C. 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.

D. 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.

E. 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.

F. 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.

G. 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.



- H. Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- I. Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- J. 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.
- K. 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.
- L. 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 Specific Outcomes (PSOs):

- ◆ Analyse, design, and develop computing solutions by applying foundational concepts of computer science and engineering.
- ◆ Apply software engineering principles and practices for developing quality software for scientific and business applications.
- ◆ Adapt to emerging information and communication technologies to innovate ideas and solutions to existing or novel problems

Faculty Members:

S.NO	FACULTY NAME	DESIGNATION
1	Velayudham A	Professor
2	Shamila E S	Professor
3	Praveena A	Assoc.Professor
4	Jansirani S	Asst.Professor
5	Vivek M	Asst.Professor
6	Krishna Priya M S	Asst.Professor
7	Kiruba Priyadharshini V	Asst.Professor
8	Pavithra M	Asst.Professor
9	Ashwini R	Asst.Professor



10	Rathika A	Asst.Professor
11	Vijipriya G	Asst.Professor
12	Savitha N	Asst.Professor
13	Anitha Mary M	Asst.Professor
14	Krishna Priya G	Asst.Professor
15	Kiruthika M	Asst.Professor
16	Mangaleswaran M	Asst.Professor
17	Suganya R	Asst.Professor
18	Moorthi K	Asst.Professor
19	Sharrath M	Asst.Professor
20	Sikkandhar Batcha J	Asst.Professor
21	Sasikala T	Asst.Professor

Faculty Achievement's:

- I. M.Pavithra was awarded “Best Young Faculty Award” by Grabs Educational Charitable Trust (GRABS Award-2019) on 3.2.2019.
- II. A Praveena was awarded “Best Young Faculty Award” by Grabs Educational Charitable Trust (GRABS Award-2019) on 3.2.2019.



- III. A.Praveena was awarded “Best Senior Faculty “by DK International Research Foundation on 2018.
- IV. A.Praveena was awarded “Perasiriyar Rathna Award” by Kaviarasar Kalai Tamil Sangam on 30.9.2018.
- V. A.Praveena was awarded “International Biographical Centre Women of the Year 2018” by International Biographical Centre Cambridge England on 14.9.18.
- VI. M Pavithra was awarded “Best Women Faculty Award” by Natural Science Foundation on 2018.
- VII. M Pavithra was awarded “Best Faculty Award” by Indian Academic Researchers Association on 21.4.2019.
- VIII. A.Praveena was awarded “Bharat Ratna Indira Gandhi Shiromani Gold Medal Award-2018” by All India Achievers & Research Academy on 21.11.2018.



- IX. A.Praveena was awarded “Indian Iconic Personality Gold Medal Award” by Global Economic Progress Research Association on 19.8.2018.
- X. M.Pavithra was awarded “Bharat Ratna Dr.Abulkalam Gold Medal Award” by Global Economic Progress Research Association on 13.4.2019.
- XI. M.Pavithra was awarded “Women Education Entrepreneur of the Year” by India Stem Awards’19 on 16.4.2019.

Student Achievement’s:

- I. Yamuna Devi S was awarded with Elite + Gold Certificate and in Top 5 for successfully completing the course Introduction to Internet of Things in NPTEL Online Certification (Swayam).



- II. Sree Vaishnavi G was awarded with Elite + Silver Certificate for successfully completing the course Programming in Java in NPTEL Online Certification (Swayam).
- III. Niyati Mittal was awarded with Elite Certificate for successfully completing the course Programming in Java in NPTEL Online Certification (Swayam).
- IV. N.Ramya Devi was awarded with Elite + Silver Certificate for successfully completing the course Programming in Java in NPTEL Online Certification (Swayam).
- V. Rathika A was awarded with Elite + Silver Certificate for successfully completing the course Programming in Java in NPTEL Online Certification (Swayam).
- VI. Manu Mohan M S was awarded with Elite Certificate for successfully completing the course Programming in Java in NPTEL Online Certification (Swayam).



- VII. Nethrashruthi. R was awarded with Elite Certificate for successfully completing the course Cloud Computing in NPTEL Online Certification (Swayam).
- VIII. Monisha M was awarded with Elite Certificate for successfully completing the course Cloud Computing in NPTEL Online Certification (Swayam).
- IX. Shalini M was awarded with Elite Certificate for successfully completing the course Cloud Computing in NPTEL Online Certification (Swayam).
- X. Keerthana B was awarded with Elite Certificate for successfully completing the course Introduction to Internet of Things in NPTEL Online Certification (Swayam).
- XI. Mercy Milcah Y was awarded with Elite Certificate for successfully completing the course Introduction to Internet of Things in NPTEL Online Certification (Swayam).



- XII. S.Akshaya had won First Prize in Symposium – Paper Presentation on 01.02.2019 at Kathir College of Engineering.
- XIII. S Subashree had won Second Prize in Paper Presentation – Utsaha 2K19 (Symposium) on 08.02.2019 at K S Rangasamy College of Technology.
- XIV. M Ponraj had won First Prize in Doodle Dude Technohunt – (Symposium) on 08.02.2019 at K S Rangasamy College of Technology.
- XV. M Ponraj had won First Prize in One Infinite – (Symposium) on 08.02.2019 at K S Rangasamy College of Technology.
- XVI. S Subashree & P Rajalakshmi had won First Prize in Technohunt – (Symposium) on 08.02.2019 at K S Rangasamy College of Technology.
- XVII. Pranav Sankar M had won Second Prize in FECTUM – 19 – Paper Presentation, Code Debugging, Blind Coding – Symposium on 09.03.19 at Christ the King Engineering College.



- XVIII. R Gayathri had won Second Prize in Utsaha Festum 2019 – Paper Presentation (Symposium) on 08.02.2019 at K S Rangasamy College of Technology.
- XIX. R Gayathri, S Mynthuri Ishwariya, M Ponraj & B Kaviya had won First Prize in Technohunt – (Symposium) on 08.02.2109 at K S Rangasamy College of Technology.
- XX. K Giri Pragadeesh had won Second Prize in FECTUM – 19 – Paper Presentation, Code Debugging, Blind Coding – Symposium on 09.03.19 at Christ the King Engineering College.

Clubs of CSE:

1. Iterator's Club:

The Iterators programming Club is a platform where the students will be able to develop and learn various skills like, Computer coding. The club is focusing on conducting events like program coding, debugging , Hackathon and



workshop for the students to improve their coding and analytical, problem solving skills and techniques. This club focuses on establishing a coding background culture to involve the students to build the logical and analytical skills to support computer programming as a plan to fit for the Software development industry needs.

Objective:

Enhance Programming and Application Development Skill

Outcome:

- Gain in-depth knowledge in coding
- Develop logical thinking and problem solving skills
- Effective and cooperative team work
- Use open source platforms

2.AndriOS club

Android is a mobile operating system (OS) currently developed by Google, based on the Linux kernel and designed primarily for touchscreen mobile devices such as smartphones and tablets. Android’s user interface is mainly based on direct manipulation, using touch gestures that loosely correspond to real-



world actions, such as swiping, tapping and pinching, to manipulate on-screen objects, along with a virtual keyboard for text input. In addition to touchscreen devices, Google has further developed Android TV for televisions, Android Auto for cars and Android Wear for wrist watches, each with a specialized user interface.

JIT AndriOS club has been initiated for the students who are dynamic and ambitious and who wish to take the field of Android technology to a higher pedestal. The Club AndriOS helps members to Learn & Innovate their own product.

Motto:

Deliver an ideal app that will help community in achieving the targeted objective

Vision:

To look out on the automated fields of daily life and have always tried to automate them by integrating with newer and innovative ideas.

Mission:



To educate the members of AndriOS in developing applications using Android and iOS technology with development tools, and to give them a strong base in Application development.

Department Events:



Jansons Institute of Technology
Karumathampatti, Coimbatore-641659

Department of CSE
Welcomes you for the

FAREWELL

DAY

Venue:
Sivaganga Auditorium

05-MARCH-19
9AM-12PM

Today's Little
MOMENT
Tomorrow's precious
MEMORIES

The poster is a vibrant collage with a green background and yellow and purple vertical stripes. It features a red alarm clock, a yellow pencil, a blue pen, and a piece of white paper with text. The text is arranged in a clear, hierarchical manner, starting with the institute's name and location, followed by the department and the event title. The date and time are highlighted in purple boxes, and the closing message is written in a typewriter font on a piece of paper.



JANSONS INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai
Accredited by NAAC & ISO 9001 : 2015 Certified Institution
Coimbatore, Tamil Nadu – 641 659



Department of Computer Science and Engineering

Organizes

Two Days Faculty Development Program

On

"Cloud Computing Essentials – I"

Resource Person

Mr.M.Mangaleswaran & Ms.G.VijiPriya,
Assistant Professors,

Department of Computer Science and Engineering
Jansons Institute of Technology, Coimbatore.

Date – 23rd & 24th May 2019

Venue : Computer Centre 1

Jansons Institute of Technology in association with ICT Academy organized two days' Faculty Development Programme on "Introduction to Mobile App Development". Totally 21 Faculty Members from various institutes attended the programme. ICT Academy deputed Ms. Kamatchi Devi as a trainer to handle the session for two days.

This course introduces Mobile App Development to the participants. Since there are billions of smart phones and electronics devices owned by people all over the world, it stands to reason that developing applications for mobile portable devices might just be an extremely lucrative job.

Publications:



- I. Dr. A. Velayudham, Dr U Vijayshankar, M Kiruthika et al (2019), “A Survey of Congestion Avoidance in Vanet and Vanet Security Algorithm”, International Journal for Research Trends and Innovation, vol. no. 4, issue no. 5, pp. 56 – 60.
- II. A. Praveena et al (2019),” A Simple Detection and Escaping Mechanism from Social Network Attacks”, International Journal of Innovative Technology and Exploring Engineering, vol. no. 8, issue no.6, pp. 369 – 373.
- III. Dr. A. Velayudham, Ms M Pavithra, Dr.E.S.Shamila et al (2019),” Crop Yield Prediction Using Machine Learning and Data Mining Algorithms for Modern Agriculture International “, Journal of Scientific Research in Computer Science Applications and Management Studies, vol. no. 8, issue no. 1, pp. 1-5.
- IV. M. Pavithra et al (2019),” A Survey on Semi Supervised Clustering for High Dimensional Data Clustering”, International Journal of Engineering and Science Invention, vol. no. 8, issue no. 3, pp. 52 – 64.
- V. M. Pavithra et al (2019),” A Novel Approach for Semi Supervised Clustering Algorithm”, Journal of Analysis and Computation, vol. no. 13, issue no. 1, pp. 1 – 13.
- VI. M. Mangaleswaran et al (2018),” A Study on Various Image Segmentation Algorithms, International Journal of Scientific Research in Science, Engineering and Technology, vol. no. 4, issue no. 11, pp. 272 – 276.
- VII. G Viji Priya, M Vivek, G Krishna Priya, R Ashwini (2018), “A Survey on Security Attacks and Challenges in Bitcoin”,



International Journal of Computer Engineering & Technology, vol. no. 9, issue no. 6, pp. 65 – 74.

- VIII. R Suganya et al (2018),” A Research Based on Medical Image Processing in Various Healthcare Industries”, International Journal of Inventive Engineering and Sciences, vol. no. 5, issue no. 1, pp. 19 – 24.
- IX. A Rathika et al (2019), “CHIPS: An IoT Based Child Protection System”, International Journal for Science and Advance Research in Technology, vol. no. 5, issue no. 4, pp. 122 – 130.
- X. R Suganya, V Kalpana et al (2019),” Automatic Leucocytes Counting and Disease Detection System using Cuckoo Search Algorithm”, International Journal of Scientific Research in Computer Science Applications and Management Studies, vol. no. 8, issue no. 1, pp. 232-238



*Programs must be written
for people to read, and only
incidentally for machines to
execute*

– Harold Abelson