



JANSONS
INSTITUTE OF TECHNOLOGY

DEPARTMENT OF
COMPUTER SCIENCE AND
ENGINEERING

VOLUME : 03

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TECHNOPHILE 04



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

Conference, Symposium, Workshops, Seminar, Competitions, Guest Lectures:

Title	Category	Resource Person	Date
How to work with Hidden Opportunities in AI and ML	Alumnus Interaction	Mr. Krishna D. Murthy Technical Configuration Specialist Just Appraised, Palo Alto	03.12.2020



Roadmap to success: Hidden Strengths	Alumna Interaction	Ms.A.Manju System Engineer Tata Consultancy Services, Cochin	04.12.2020
National Level Technical Symposium “TEKIBITS 19”	Alumna Interaction	Mr K.Ramakrishnan Program Analyst Cognizant Technology Solutions, Coimbatore	02.12.2020



Struggles to Success	Alumna Interaction	Mr.R.Venkatesh CTO and Full Stack Developer Chill5 Application, Coimbatore Sri Ramakrishna Engineering College, Coimbatore	01.12.2020
Non Textbook Approach for Learning New Technology	Alumna Interaction	Mr.P.Akash Full Stack Software Engineer Totalogistix Inc, Coimbatore	30.11.2020
DREAM 2070	Contest	-	12.10.2020
Emerging Technologies – AI/ML epoch	Webinar	Mr. Sivakumar Founder, Wings for Talent Bangalore	09.10.2020



Blockchain Technology & Real Time Applications	Webinar	Dr. Anand Nayyar Professor, Researcher & Scientist in Graduate School Duy Tan University Da Nang, Vietnam	26.08.2020
Powerful Cutting Edge Opportunities in Today's World	Webinar	Mr. Dinesh Kumar S Former Developer @ Lucid Technologies & Solutions Pvt. Ltd	19.08.2020



Faculty Achievement's:

S. No.	Name	Title of Appreciation	Awarded / Recognized By	Date
1	Ms.M.Pavithra	Bharath Ratna Mother Teresa Gold Medal Award 2020	Global Economic Progress & Research Association	26.12.2020

Pavithra M was awarded “Bharat Ratna Mother Teresa Gold Medal Award”, for the excellence in her respective field on the occasion of National Unity Conference for Education, Health & Economic Development, Organized by Global Economic Progress & Research Association (GEPR, New Delhi), on 26th December 2020, at Bangalore.



Student Achievement's:

- I. S Varun was awarded with Elite + Silver Certificate for successfully completing the course Programming in Java in NPTEL Online Certification (Swayam).
- II. Danaendraraj R was awarded with Elite + Silver Certificate for successfully completing the course Problem Solving through Programming in C in NPTEL Online Certification (Swayam).
- III. Deepak Kumar was awarded with Elite Certificate for successfully completing the course Problem Solving through Programming in C in NPTEL Online Certification (Swayam).
- IV. Pranav Sankar M was awarded with Elite Certificate for successfully completing the course



Introduction to Internet of Things in NPTEL Online Certification (Swayam).

- V. Monisha M was awarded with Elite Certificate for successfully completing the course Python for Data Science in NPTEL Online Certification (Swayam).
- VI. Muhesh Kumar N had participated in Software Edition – Grand Finale in Smart India Hackathon on 1st, 2nd & 3rd August 2020.
- VII. Giri Pragadheesh. K had participated in Software Edition – Grand Finale in Smart India Hackathon on 1st, 2nd & 3rd August 2020.
- VIII. Ayush.T had participated in Software Edition – Grand Finale in Smart India Hackathon on 1st, 2nd & 3rd August 2020.
- IX. Dharani.S had participated in Software Edition – Grand Finale in Smart India Hackathon on 1st, 2nd & 3rd August 2020.



- X. Jeevitha Brindha. A had participated in Software Edition – Grand Finale in Smart India Hackathon on 1st, 2nd & 3rd August 2020.
- XI. Niveda.R had participated in Software Edition – Grand Finale in Smart India Hackathon on 1st, 2nd & 3rd August 2020.
- XII. Gunasekhar C of 2nd Year has Secured 1st Position in Career Quotient Test 2020 was conducted by Jansons Institute of Technology.
- XIII. Haritha N of 2nd Year has Secured 2nd Position in Career Quotient Test 2020 was conducted by Jansons Institute of Technology.
- XIV. Gayam Naveena & Pasupathi Dadeeja has Secured 3rd Position in Career Quotient Test 2020 was conducted by Jansons Institute of Technology.
- XV. Shreeakalya M of 3rd Year has Secured 1st Position in Career Quotient Test 2020 was conducted by Jansons Institute of Technology.



- XVI. Susmitha Sri M of 3rd Year has Secured 2nd Position in Career Quotient Test 2020 was conducted by Jansons Institute of Technology.
- XVII. Thevakumaresh T of 3rd Year has Secured 3rd Position in Career Quotient Test 2020 was conducted by Jansons Institute of Technology.
- XVIII. Sree Vaishnavi G of Final Year has Secured 1st Position in Career Quotient Test 2020 was conducted by Jansons Institute of Technology.
- XIX. Jakesh Iniyan Pon of Final Year has Secured 2nd Position in Career Quotient Test 2020 was conducted by Jansons Institute of Technology.
- XX. Nethrashruthi R of Final Year has Secured 3rd Position in Career Quotient Test 2020 was conducted by Jansons Institute of Technology.
- XXI. R. Bavadharani, R. Ramanarayanan, G. Sivanandhaa & S. Vishnupriya has Secured 1st Position in Project Presentation Contest, Intra - Department Contest was organized by



Department of Computer Science and Engineering
at Jansons Institute of Technology.

- XXII. R. Abarna, S. Akshaya, S.R. Keerthana & M. Kousalya has Secured 2nd Position in Project Presentation Contest, Intra – Department Contest was organized by Department of Computer Science and Engineering at Jansons Institute of Technology.
- XXIII. D. Mithun, P. Thangaraj, P. Anitha & K. Priyadharshani has Secured 3rd Position in Project Presentation Contest, Intra – Department Contest was organized by Department of Computer Science and Engineering at Jansons Institute of Technology.
- XXIV. Biruntha. S, Gokila. S & Joy Princy.J has Secured 1st Position in Paper Presentation Contest, Intra – Department Contest was organized by Department of Computer Science and Engineering at Jansons Institute of Technology.



- XXV. Danendraraj R, Deepak Kumar R & Hari Prakash P has Secured 2nd Position in Paper Presentation Contest, Intra - Department Contest was organized by Department of Computer Science and Engineering at Jansons Institute of Technology.
- XXVI. Subhashini.S has Secured 3rd Position in Paper Presentation Contest, Intra - Department Contest was organized by Department of Computer Science and Engineering at Jansons Institute of Technology.
- XXVII. Renugha S S has Secured 1st Position in Seminar Contest, Intra - Department Contest was organized by Department of Computer Science and Engineering at Jansons Institute of Technology.
- XXVIII. Sangamithra S & Gayathri.S has Secured 2nd Position in Seminar Contest, Intra - Department Contest was organized by Department of



Computer Science and Engineering at Jansons Institute of Technology.

XXIX. Joy Princy.J & Sree Vaishnavi.G has Secured 3rd Position in Seminar Contest, Intra - Department Contest was organized by Department of Computer Science and Engineering at Jansons Institute of Technology.

XXX. Shruthi P G of 2nd Year has Secured 1st Position in Best Presentations - Dream 2070 organized by Department of Computer Science and Engineering at Jansons Institute of Technology on 12.10.2020.

XXXI. Vaishnavi E & Elamathi S of 3rd has Secured 2nd Position in Best Presentations - Dream 2070 organized by Department of Computer Science and Engineering at Jansons Institute of Technology on 12.10.2020.

XXXII. Varun S & Theva Kumaresh T of 3rd has Secured 3rd Position in Best Presentations - Dream 2070 organized by Department of Computer Science



and Engineering at Jansons Institute of Technology on 12.10.2020.

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:

Alumnus Talk & Webinar “Supply Chain Analytics
Beyond Our Imagination – A Walkthrough”



JANSONS INSTITUTE OF TECHNOLOGY
Karumathampatti, Coimbatore - 641 659

ALUMNUS TALK

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Organizes a Webinar on

**SUPPLY CHAIN ANALYTICS BEYOND
OUR IMAGINATION-A WALKTHROUGH**

Mr. Mahesh M K S

Supply Chain Consultant, Dominion Global
France



DATE: 12.08.2020
TIME: 11.00 AM - 12.00 NOON
Registration
Link: <http://bit.ly/3OUFmH7>

CONVENOR

Dr.A.Velayudham (HOD/CSE)

CO-ORDINATORS

Prof.M.Vivek (AP/CSE)

Prof.M.Pavithra (AP/CSE)

FOR QUERIES/CLARIFICATIONS

9976868914

Participation certificate will be provided

Alumnus Talk & Webinar on “Powerful Cutting Edge Opportunities in Today’s World”



JANSONS INSTITUTE OF TECHNOLOGY
Karumathampatti, Coimbatore – 641 659

ALUMNUS TALK

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Organizes a Webinar on

**POWERFUL CUTTING EDGE
OPPORTUNITIES IN TODAY'S WORLD**

Mr. Dineshkumar S

Former Developer
@Lucid Technologies & Solutions Pvt.Ltd.
Freelance Developer
(Pursuing MS @ Politecnico Di Milano, Italy)



CONVENOR

Dr.A.Velayudham (HOD/CSE)

CO-ORDINATORS

Prof.M.Vivek (AP/CSE)

Prof.M.Pavithra (AP/CSE)

FOR QUERIES/CLARIFICATIONS

☎ **9976868914**

DATE: 19.08.2020

TIME: 11.00 AM - 12.00 NOON

REGISTRATION LINK: <https://bit.ly/2X5Q50c>

Participation certificate will be provided

International Webinar on “Blockchain Technology & Real Time Applications”



JANSONS INSTITUTE OF TECHNOLOGY
Approved by AICTE New Delhi → Affiliated to Anna University
Coimbatore , Tamilnadu - 641659.
Phone : 0421 - 2264900 | Website: www.jit.ac.in

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ORGANIZES
INTERNATIONAL WEBINAR ON
**BLOCKCHAIN TECHNOLOGY
&
REAL TIME APPLICATIONS**



Dr. Anand Nayyar
Professor, Researcher & Scientist in Graduate School,
Duy Tan University,
Da Nang, Vietnam.

Convener:
Dr. A. Velayudham (HOD / CSE)

Coordinator:
Prof. M. Vivek (APJ CSE)
Prof. M. Pavithra (APJ CSE)

for Assistance :
9976868914

Date : 26.08.2020
Time : 10.30 am to 12.00 pm (IST)

For Registration

<https://bit.ly/2DgG174>

Participation Certificate will be provided

Webinar on “Emerging Technologies – AI/ML epoch“



JANSONS INSTITUTE OF TECHNOLOGY

Approved by AICTE New Delhi * Affiliated to Anna University
Coimbatore , Tamilnadu - 641659.



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

organises

WEBINAR ON

"Emerging Technologies - AI/ML epoch"

Resource Person

Mr. Sivakumar

Founder

*Wings for Talent
Bengaluru*

Artificial
Intelligence

Coordinators :

Mr. M. Vivek - AP / CSE

Ms. G. Krishna Priya - AP / CSE

Date : 09.10.2020

Time : 10.30 am



Industry Readiness Courses:

1. IRC on “Insights into Blockchain Security and IoT for beyond 5G Communications” (Syllabus – Insights into Blockchain Security and IoT for beyond 5G Communications_2020-2021_ODD)
2. IRC on “NLP Applications with Google AI and Dialog Flow” (Syllabus – NLP Applications with Google AI and Dialog Flow_2020-2021_ODD)
3. IRC on “Recent Advancements in Applied Machine Learning for Real Time Applications” (Syllabus – Recent Advancements in Applied Machine Learning for Real Time Applications_2020-2021_ODD)



*"My code doesn't work.
I have no idea why.
My code works.
I have no idea why."*