

Infobee

Department of Information Science and Engineering

BIANNUAL Newsletter | Volume No. 1 | Issue No. 1 | Dec – 2023



About the Department

The Department of Information Science and Engineering was established in the year 2022 with an initial intake of 60 students. Starting from the academic year 2023-24, the department has increased its intake to 120 students. The department boasts well-equipped laboratories that facilitate hands-on learning experiences. Additionally, the Department of Information Science and Engineering has entered into Memorandums of Understanding (MoUs) with various companies, enhancing opportunities for collaboration and practical industry exposure. Students are encouraged to take up interdisciplinary research in various domains of computer science like computer vision, Data Mining, Networking, high performance computing etc.

Message

CHAIRMAN



For over 23 years, Jain group of Institutions (JGI) has been successfully extending its educational services to the community. As it has been the tradition of Jain group of Institutions, Jain Institute of Technology at Davanagere will excel in the field of technical and management education. Our aim is to provide the highest quality of educational experience for students from every walk of life. We want to ensure that our students are well equipped for their careers, professionally, intellectually, and culturally allowing them to make them most of experience and prepare themselves in the best possible way for their future.

PRINCIPAL AND DIRECTOR



At the JIT, Davanagere, all our actions are directed towards imparting quality of education through theoretical learning with the virtues of practical training. Delightful learning happens here as we club academics with sports and cultural activity. Students are trained to, excel in their careers, share knowledge, have overall growth and emerge as true leaders. At JIT Davanagere all our actions are directed towards imparting quality education through theoretical learning with the virtue of practical learning.

HOD



The Department has 8 faculties with 2 Doctorates and 03 pursuing PhD in reputed universities. The department offers an undergraduate program where students delve into core computer aspects, including software, networking, programming, operating systems, web development, and database management. The program also enables students to master advanced topics such as the Internet of Things (IoT), cyber forensics, artificial intelligence, biometric management, and software development. The department has a student forum, "Innovista" aimed at encouraging and organizing co-curricular activities. This platform provides students with opportunities to enhance their skills beyond the academic realm.

EDITOR'S NOTE

Hello Readers! With immense pleasure, we bring to you first successful edition of Infobee Newsletter, on behalf of the department of Information Science and Engineering!

This edition has truly been a delight to work on, and as editors, it has been our pleasure and privilege to collaborate with so many brilliant and enthusiastic minds from all across the IS&E student body. The determination, creativity and resourcefulness that was displayed by the writing and design team is a testament to the spirit of collaboration and community that we have always aimed to foster and build here at Infobee.

In this edition, we present to you a wealth of knowledge, interesting research and thoughtful discourse on all that is exciting in the world of IS&E.

Most of all, this edition is a foray into the numerous exciting activities undertaken by both faculty as well as the students of our department and we are honored to document them and present them to you.

We would like to congratulate the writers for creating such informative and well researched articles and the designers for aesthetically and intelligently presenting such vast content with beautiful layouts and designs.

We would like to sincerely thank Dr. Lathia B M, HOD, Department of IS&E for giving us an opportunity to bring this newsletter to life. We hope you enjoy reading Infobee as much as we did creating it!

Mrs. Meghana G R, Assistant Professor, IS&E

Ms. Bindu N, Instructor, IS&E

Ms. Moulya S, 3rd sem, IS&E

Mr. Mohammed Faisal, 3rd sem, IS&E

Ms. Madhura S A, 3rd sem, IS&E

VISION OF THE PROGRAM

To develop professionally excellent, socially responsible Information Science Engineers and Entrepreneurs through teaching, research and development and cognitive skills with human eminence

MISSION OF THE PROGRAM

M1	To foster the development of accountable and proficient professionals in the field of information science and engineering by emphasizing experiential learning and a solid foundation in the fundamentals.
M2	To infuse research and entrepreneurship through the ongoing creation of innovative solutions via intellectual tools and research-driven education
M3	To promote social responsibility and ethical conduct, nurturing a culture of integrity, empathy, and sustainable principles by fostering a compassionate global community.

Program Educational Objectives

PEO1	Professional Development and Continuous Learning Graduates will be employed in the computing profession, demonstrating continuous professional development. They will engage in learning, understanding, and applying new ideas and technologies as the field of information science and engineering evolves
PEO2	Research, Innovation, and Design Proficiency Graduates will achieve proficiency in conducting Research, Innovation, Design, and Development aspects of varying complexities in software and scientific systems. Proficient application of intellectual tools and research-driven education will be employed to develop and implement creative solutions in the field of information science and engineering.
PEO3	Ethical and Professional Citizenship Graduates will exhibit high professionalism with ethical and moral values in the working environment. Integration of ethical principles and social responsibility into professional practices will contribute positively to the community, demonstrating a commitment to sustainable and responsible engineering solutions.

Faculty as a Resource Person

Mrs. Kotramma T S., Department of Information Science and Engineering addressed the students and shared the knowledge in an Induction Program on “Cloud Computing and its Applications” for BCA Students organized by Davan Institute of Advanced Management Studies, Davanagere, on 20th August 2023.



Session by Mrs. Kotramma T S

Mrs. Swetha B S., Department of Information Science and Engineering addressed the students and shared the knowledge in an Induction Program conducted for the degree Students, organized by **Jain Degree College, Davanagere**, from 28th August 2023 to 31st August 2023. She educated and brought the awareness regarding the syllabus and academics to the students along with learning activities.



Session by Mrs. Swetha B S

Mrs. Meghana G R., Department of Information Science and Engineering addressed the students and shared the knowledge in Microsoft Excel and soft skill training Programme conducted for the MBA Students, organized by **Department of MBA, Jain Institute of Technology, Davanagere**, on 27th November 2023. She trained the students on the topics V-lookup, H- Lookup, Index, and Match concepts of Microsoft Excel.



Session by Mrs. Meghana G R

Faculty Achievements



Project Proposal titled “ **Reliable Instrumentation and advanced monitoring systems (RIAMS) Laboratory**” has been shortlisted for presentation under **Karnataka fund for infrastructure strengthening in Science and Technology(K-FIST L1)**. The Proposal was submitted by **Dr. Latha B M, Professor and Head, Department of IS&E** and **Dr. Azikhan F Pathan, Associate Professor, Department of IS&E**.

FACULTY ACHIEVEMENT



Prof. Kotramma T S and **Prof. Shwetha B S** have cleared Ph.D. Entrance Exam of VTU ETR-2022. JIT Management, Principal Dr. Ganesh D B, Dr. Latha B M Professor and Head of IS&E and all the Teaching and Non-teaching staff of Department of Information Science and Engineering congratulate them.

Accepted for Book Chapter



Book chapters titled **“Exploring Modern Trends in Cloud Robotics Architectures and Their Real-World Applications”** and **“Revolutionizing Robot Control through Cloud Technology”** have been accepted for the journal **“Shaping the future of Automation with cloud Enhanced Robotics”**. The book chapters were submitted by Prof. H S Saraswathi and Prof. Vinutha M

Students Corner



Mr. Jeevan R M, of 3rd semester Information Science and Engineering participated in the the **Plasma 2023**, a state level technical symposium and Hackathon organized by Department of Electronics and communication Engineering , J N N College of Engineering, Shivamogga on 23rd December 2023.



Poster of Hackathon



Student participating in the event

Mr. Jeevan R M, Ms. Anusha of 3rd semester Information Science and Engineering participated in the the **Speak India Debate Contest** , a national level debate contest organized by Jain Institute of Technology, Davanagere in association with The Times of India and Fedral Bank on 20th December 2023. **Ms. Anusha** shortlisted for the second round.



Poster of Speak India



Student participating in the event

Ms. Anusha of 3rd semester participated and selected for semi finals in the the **Speak India Debate Contest** , a national level debate contest organized by Jain Institute of Technology, Davanagere in association with The Times of India and Federal Bank.



Congratulated by HOD's and Principal

Events and Activities Conducted in the Department

Course Activity on Principles of Programming using C (29/12/2023)

Mrs. Kotramma T S, Assistant Professor , Department of IS&E conducted a course activity **Mini Project Exhibition on “Principles of Programming using C”**, to the first semester IS&E (E section) students. The students exhibited their skills through the development of mini projects and presentation. They also presented their ideas through posters and charts.

Mrs.H S Saraswathi, Mrs. Meghana G R, Mrs. Usha K and Mrs. Vinutha M evaluated the projects of the students and gave the inputs to the students.



Poster Presentation and demonstrating the Mini Projects



Poster Presentation and demonstrating the Mini Projects

Logo Design competition (1/12/2023)

Mrs. Kotramma T S, Mrs. Meghana G R and Mrs. H S Saraswathi, Department of IS&E conducted “Logo Design Competition” on “IS&E Forum”, to the third semester IS&E students. All the students exhibited their skills by designing attractive Logos for forum.



Students involved in Logo Designing

Green campus initiative (4/12/2023)

Under the module “Cultivating wellness through tree plantation”, activity Number one “Importance of tree plantation” was conducted at our campus for the third sem IS&E students by Prof. H S Saraswathi.

Green campus initiative (11/12/2023)

Under the **Green Campus initiative**, cultivating wellness through tree plantation. **Activity 02: Adoption of trees**, we aim to cultivate wellness through tree plantation. The students of 3rd

semester **Information Science and Engineering** have given a presentation on the plants they have adopted, including neem, peepal, mango, guava, etc. This reflects their dedication to environmental sustainability and fostering a greener campus. The presentations were scrutinized by **Prof. H S Saraswathi**.



Presentation on the plants being adopted

Poster presentation and seminar on Case Studies of IOT(14/12/2023)

Dr. Latha B M, Professor and Head, Department of IS&E, conducted a course activity **Poster presentation and seminar** on “Introduction to IoT”, to the First semester IS&E(D Section) students. The students exhibited their skills and presented their ideas through posters and charts.



Poster Presentation on case studies of IOT

Forum Inauguration and Forum Logo Launch (15/12/2023)

The Forum of Department of Information Science and Engineering “INNOVISTA” was inaugurated along with the launch of forum logo by the chief guest Ms. Sharada K S, Associate consultant, Infosys, Bengaluru, Dr. K Sadashivappa, Retd. Dean Academics and Professor Department of Mechanical Engineering BIET, Davanagere, Dr. Ganesh D B, Principal, Dr. Latha B M , Forum Faculty Coordinator Prof. Kotramma T S, student forum coordinator Ms. Moulya, and the forum sceretry Mr. Chandu.



Invitation of Forum Inauguration



Inauguration of Forum



Forum Logo Release



Felicitation to Chief Guest and Guest of Honour

The Chief Guest **Ms. Sharada K S** shared her professional experiences and also encouraged the students to participate in all the activities and make utilize of college resources including Library, Skill development labs etc.

Dr. Ganesh D B Principal and Director of the Institute, in his presidential address, focused on the importance of communication and the need to incorporate innovation in learning. He urged students to make use of every opportunity to learn.

Dr. Latha B M, Professor and Head of IS&E addressed the gathering on the occasion and she briefed about the insights of the department forum.

Dr.K Shadashivappa, concisely addressed the students that knowledge is more important than scoring marks. And to fill the gaps between industry and academia by participating in activities.

Prof. Kotramma T S, Assistant Professor, Forum coordinator gave insight on the forum activites, the plan and schedule of forum activities for the upcoing semester.

Expert talk on Resume Building (16/12/2023)



Poster of Expert Talk on Resume Building

A session on 'Resume Building' was conducted under the forum "Innovista" on the 16th of December 2023 at the JIT Auditorium by the Department of IS&E. Mr. Amog G S, Analytics Lead, Data Scientist II, Uber, was the Facilitator for the Seminar. Dr. Azizkhan F Pathan and Mrs. Kotramma T S, Forum Coordinators, coordinated the event.

The seminar was attended by 150 students from final, Pre-final year and 3rd semesters of IS&E, CS&E, EC&E and EEE departments. The purpose of the seminar was to give an idea about the Curriculum Vitae, Resume and formats. Mr. Amog G S discussed the different sections of a resume that one needs to format and types of format. The resource person discussed the importance of Resume, the right format to be chosen, how to prepare an objective, present the skills, achievements, project details and etc. The resource person enlightened his discussion with Interview preparation and finding job opportunities.



Session by Guest



Extra Circular Activities(16/12/2023).

The extra circular activities like cultural activities were organised to the IS&E students. The Students actively exhibited their talent by performing several activities.



Cultural Activities

Interaction session for the girl students by College Internal Complaint Committee



Interaction session

The **College's Internal Complaints Committee (CICC)** engaged a productive discussion with the first-year female students of Jain Institute of Technology. The focus of the conversation centered on the various facilities provided by the institute, including the state of washrooms and classrooms. The CICC took diligent note of the students' feedback and assured them of prompt action in addressing any concerns. Moreover, the session also featured a crucial segment on sexual harassment awareness, underlining the institution's commitment to fostering a safe and inclusive learning environment for all students. It was an empowering and informative interaction, emphasizing the institute's dedication to the well-being and comfort of its student community.

Course Activity on Principles of Programming using C (18/12/2023)

Prof. Shwetha B S, Assistant Professor, Department of IS&E, conducted a course activity on “Principles of Programming using C” to the first semester 'D' section students. Students presented posters and explained the concepts of C. Prof. H S Saraswathi , Dr. Prashantha G R, Prof. Usha K, Prof. Meghana G R, and Prof. Manjula P,JIT, evaluated the presentation of the students.



Reviewing the students Poster



Reviewing the students Poster



Five day Skill Development Programme on Problem Solving using C(22/12/2023)

The Department of Information Science and Engineering organised a five-day Skill Development Programme on Problem solving using C, for the first and second year students of various departments. The session was inaugurated by the resource person and chief guest **Dr. Shridhara K S**, Professor and head, Studies in Computer Science and Engineering, UBBDTCE, Davanagere, **Dr. Ganesh D B**, Principal and Director, JIT and **Dr. Azizkhan F Pathan**, Associate Professor, Department of IS&E. **Dr. Latha B M**, Professor and Head, Department of IS&E is the covenor for the programme. The programme was organisd and coordinated by Mrs. H S Saraswathi, and Mrs. Meghana G R, Assitant professor, Department of IS&E.

The programme is designed to enhance the programming skills of the participants. It provides an opportunity to acquire knowledge to be familiar with fundamental programming concepts and methodology. The programme mainly focuses on manually tracing through a program to identify logical errors. The programme create awareness of common strategies and good practices of debugging with printf or equivalent functions.

The students from CS&E, EC&E, E&EE and IS&E attended the inauguration and the session. Around 100 students attended session.

Arka Educational and Cultral Trust (Regd.)
JGI JAIN INSTITUTE OF TECHNOLOGY, DAVANAGERE
 (A unit of Jain Group of Institutions, Banagalore)
 Affiliated to VTU, Belagavi | Approved by AICTE, New Delhi Recognized
 by Govt. of Karnataka Recognized by UGC under 2(F)
 Department of Information Science & Engineering

**SKILL
 DEVELOPMENT
 PROGRAMME
 ON
 PROBLEM SOLVING
 USING C**

Course Duration 40 hrs 5 days)
 Last Date for Registration 20/12/2023
 Training Commences on 22/12/2023


REGISTRATION LINK:
<https://forms.gle/5CuyxU71u66thBtp6>

HOD
Dr. Latha B M

Principal
Dr. Ganesh D.B.

Coordinators
 Prof. H.S. Saraswathi 8197207946
 Prof. Meghana G.R. 9798632657

Poster of Skill Development Programme

<p>ELIGIBILITY</p> <p>The Programme is open to the students of our institute who are interested in problem solving using C.</p> <p>REGISTRATION</p> <p>Online Registration can be done through the following link https://forms.gle/5CwxsU71uf66thBtp6</p> <p>CERTIFICATION</p> <p>The Certificates shall be issued by the Institute to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test conducted at the end of the training.</p> <p>PROGRAM CONTENT</p> <ul style="list-style-type: none"> • Introduction to C • Data Types and Variables • Operators • Control Flow • Functions • Arrays • Pointers • Structures and Unions • File Handling • Dynamic Memory Allocation • Preprocessor Directives • Enumerations • Conditional compilation • Typedef 	<p>Chief Patrons: Dr. Chenraj Roychand President, JGI, Banagalore</p> <p>Patrons: Dr. Ganesh D B Principal, JIT, Davanagere</p> <p>Convener: Dr. Latha B M Professor and Head, Department of IS&E, JIT, Davanagere Mobile No. : +91 9448924282 Email id: lathabm@jitd.in</p> <p>Coordinators: H S Saraswathi Assistant Professor, Department of IS&E, JIT, Davanagere Mobile No.: +91 8197207946 Email id: saraswathi@jitd.in</p> <p>Mrs. Meghana G R Assistant Professor, Department of IS&E, JIT, Davanagere Mobile No.: +91 9739632657 Email id: meghanagr@jitd.in</p> <p style="text-align: center;">ADDRESS FOR CORRESPONDENCE</p> <p style="text-align: center;">Department of Information Science and Engineering Jain Institute of technology No-323, Near Veereshwar Punyashrama, BADA Cross, Avaragere Village, Davanagere – 577003</p>	<p>JGI Arka Educational & Cultural Trust (Regd.) Jain Institute of Technology, Davanagere <i>(A Unit of Jain Group of Institutions, Bengaluru)</i> <i>Affiliated to VTU, Belagavi (Approved by AICTE, New Delhi and Govt. of Karnataka)</i> Website: http://www.jitd.in, Email : principal4jd@gmail.com</p> <p>FIVE DAY SKILL DEVELOPMENT PROGRAMME ON PROBLEM SOLVING USING C 22/12/2023 TO 28/12/2023</p>  <p>IN ASSOCIATION WITH SKILL DEVELOPMENT CELL, JIT</p> <p>ORGANISED BY DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING JAIN INSTITUTE OF TECHNOLOGY, DAVANAGERE</p> 
--	--	--

Brochure of Skill Development Programme



Inauguration of Skill Development Programme



Session On Introduction to C Programming

Peer to Peer Learning(27/12/2023)

Arka Educational and cultural Trust Regd.
JGI Jain Institute of Technology, Davanagere
 (A Unit of Jain Group of Institutions, Bengaluru)
 Affiliated to VTU, Belagavi | Approved by AICTE, New Delhi | Recognized by UGC under 2(f) | Recognized by Govt. of Karnataka

Department of Information Science and Engineering
Peer to Peer Learning
 on
Quantum Computing

Speaker
Mr. B J Phanindra Babu
 Student at Dayanand Sagar College of Engineering, Bengaluru

Date	27/12/2023	Venue & Time	222A 2:00 pm
HOD	Dr. Latha B M	Principal & Director	Dr. Ganesh D B
Event Coordinator	Mrs. H S Saraswathi	Forum Coordinators	Dr. Azizkhan F Pathan Mrs. Kotramma T S

Poster of Peer to Peer Learning on Quantum Computing

The Department of Information Science and Engineering organised a **Peer to Peer learning on Quantum Computing Programme**, for the first and second year students of various departments. The speaker of the session was **Mr. Phanindra Babu**, student at Daynanda Sagar College of Engineering, Bengaluru. He delivered a session on **“Quantum Computing and its applications”**.



The programme was organised and coordinated by Mrs. H S Saraswathi, Assitant professor, Department of IS&E.

Session on Quantum Computing by Mr. Phanindra Babu