



TECHNOPEDIA

BIANNUAL NEWS LETTER

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



PRESIDENT'S MESSAGE



Shri. Achalchand

In this era of globalization, it is the young power of India that is really putting India on the global map. We live in a seam less techno world, where Opportunities really know no boundaries. JIT has become a synonym for the profound academic excellence in a short span of time. In an ever evolving

world filled with new challenges and new revolutions, our students will successfully meet the demand for multi-disciplinary skills. JIT encourages and creates winners all the time. Step in to a world of empowerment.

CHAIRMAN'S MESSAGE



Dr. Chenraj Roychand Jain

We are a school that prides itself not in fostering academic excellence but also in making our learners append at the school satisfying, fulfilling and joyous. I intend to take the JGI Group to the next level, employ more effective methods to make the students think

differently and instill in them with positive attitude towards inclusive growth that benefits them and the society at large.



Dr. Ganesh D B

PRINCIPAL'S AND DIRECTOR MESSAGE

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

EDITORIAL BOARD: Mrs. Meghana G R, Asst. Prof., CS&E, Mr. Naveen, Instructor, CS&E, Mr. Vignesh Vinayak, 3rd sem CS&E, Mr. Ashwin S Mathad, 5th sem CS&E, Mr. Sri Harsha, 7th sem CS&E.

VISION OF THE PROGRAM

To develop socially responsible **computer science engineers and entrepreneurs** with **strong academic excellence, technical backgrounds, research and innovation, intellectual skills and creativity** to cater the needs of IT Industry and society by **adopting professional ethics**.

MISSION OF THE PROGRAM

- To impart center of excellence by offering **technical education and imbibing experiential learning skills** to achieve teaching learning process.
- Providing a **Platform** to discover and engage research and innovation strengths, talents, passions **through collaborations, government, private agencies and industries**.
- Creating an environment to inculcate moral principles, **professionalism** and responsibilities towards the society.

PROGRAM EDUCATIONAL OBJECTIVES

PEO 1: Graduates of the program will be employed in the computing profession and be engaged in learning, understanding and applying new ideas and technologies as the field evolves.

PEO 2: Graduates will be able to conduct Research, Innovation, Design & Development aspects of varying complexities of software and scientific systems.

PEO 3: Graduates exhibit high professionalism with ethical and moral values in their working environment.

PROGRAM OUTCOMES

PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: 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.

PO3: 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.

PO4: 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.

PO5: 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.

PO6: 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.

PO7: 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.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the Engineering practice.

PO9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: 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.

PO11: 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.

PO12: 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.

Odd SEM 2020-21

Prof. Meghana G.R., has participated in National level 3 days FDP on “Data Science using Python” organized by Department of Computer Science & Engineering, GMIT, Davanagere from 10/9/2020 to 12/9/2020.



Prof. Azizkhan F Pathan., has participated in National level 3 days FDP on “Data Science using Python” organized by Department of Computer Science & Engineering, GMIT, Davanagere from 10/9/2020 to 12/9/2020.

Prof. Parvathraj K M M., has participated in National level 3 days FDP on “Data Science using Python” organized by Department of Computer Science & Engineering, GMIT, Davanagere from 10/9/2020 to 12/9/2020.

Prof. Shafiulla Shariff., has participated in National level 3 days FDP on “Data Science using Python” organized by Department of Computer Science & Engineering, GMIT, Davanagere from 10/9/2020 to 12/9/2020.

Prof. Shrikanth Pujar., has participated in National level 3 days FDP on “Data Science using Python” organized by Department of Computer Science & Engineering, GMIT, Davanagere from 10/9/2020 to 12/9/2020.

Even sem 2020-21

Short Term Training Programme on “Ms Tools & Google Workspace”
5/7/2021 to 10/7/2021



Programme Schedule:			
Sl no.	Date and Time	Contents to be Covered	Resource Person
1	5-7-2021 9.30-11.00 A.M	Basics of Excel	Dr. Anandkumar R A Ms. Roopa D N
2	6-7-2021 9.30-11.00 A.M	Cell Formatting	Dr. Anandkumar R A Ms. Roopa D N
3	7-7-2021 9.30-11.00 A.M	Formulas in excel	Dr. Anandkumar R A Ms. Roopa D N
4	8-7-2021 9.30-11.00 A.M	Mapping in Excel Microsoft Publisher	Dr. Sreenivasa B R Mrs. Saraswathi H S
5	9-7-2021 9.30-11.00 A.M	Google Workspace	Mr. Parvathraj KMM
6	10-7-2021 9.30-11.00 A.M	PDF operations Certificates issuing	Mr. Shrikanth Pujar All CSE Staff members

About Institute
JIT is one of the best developing engineering colleges of Davanagere. It is established in the year 2011. The aim of the JIT is Technical manpower development to build professionally excellent, globally competitive, socially responsible engineers and entrepreneurs with human values.

Features of JIT
Quality Education, Well equipped laboratories, Proficient & dedicated faculties, Novel & Innovative teaching methodology, Placement training with placement assistance, Industrial visits & Individual Counselling of Students.

Around 80 faculties were registered for the Workshop. Day 1 session started by Dr. Anandkumar R A and Prof. Roopa D N Asst. Professor Department of Mechanical, JSSATE, Bengaluru, they both explained the Basics of Excel. In Day2 and Day3 sessions Cell Formatting, Formulas in Microsoft Excel were explored by the resource persons. Day4 sessions were carried by Prof Dr. Sreenivasa B R and Mrs. Saraswathi H S on Mapping in Excel Microsoft Publisher.

On Day4 Google workspace knowledge was explored by Prof. Parvathraj K.M.M. Final day the session was carried out by Prof. Shrikanth Pujar on PDF operations.

Farewell to Final Year Students 13/8/2021



The Farewell event was organized for the Final year students. The students were addressed by, Dr. Ganesh D.B, Principal Jain Institute of Technology, Davanagere. He addressed the students with her inspiring words. He advised the students for having determination and control to never look back. He encouraged the students that past must always be considered as a lesson with optimistic view. Dr. Prashantha G.R., HOD, Department of CS&E, Jain Institute of Technology, Davanagere, addressed the students and urged to students the importance of Alumni.

Why IP Is Important In Academia 23/08/2021

ARKA Educational & Cultural Trust (Regd.)

Jain Institute of Technology, Davanagere
(A unit of Jain group of institutions, Bengaluru)
Department of Computer Science & Engineering

In Association with IIC Cell Organizing **WEBINAR**
WHY INTELLECTUAL PROPERTY IS IMPORTANT IN ACADEMIA?

DATE 23 AUGUST 2021 **TIME** 11.00 AM TO 1.00 PM **PLATFORM** GOOGLE MEET Virtual Meeting

Resource person
B. Vivek Anand Sagar
Consultant & IP Attorney
Patent Information center
KSCST, Bengaluru.

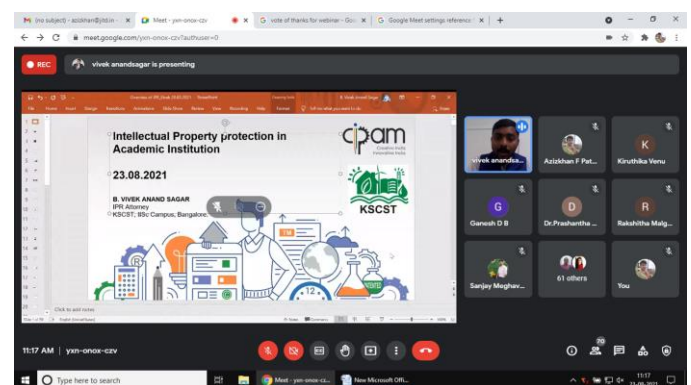
Co-ordinators
Mr. Azizkhan F Pathan
Mr. Shafiulla Shariff

HOD
Dr. Prashantha G R
CSE,JIT, Davanagere

Principal & Director
Dr. Ganesh D B
JIT,Davanagere

SCAN FOR REGISTRATION

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Instagram departmentofcsejit
Phone 8105420597, 9742360220



The Institution Innovation Council (IIC) and Department of Computer Science & Engineering, Jain Institute of Technology (JIT), Davanagere jointly organized “Why Intellectual Property is Important in Academia?”. The resource person, Mr. B. Vivek Anand Sagar, Consultant and IPR Attorney, Patent Information Centre, Karnataka State Council for Science and Technology, IISc Campus, Bengaluru delivered technical talk on “Patents and Intellectual Property Rights”. Given the increasing role of intellectual property (IP) in academic research, it is important for academic scientists to gain greater awareness and knowledge of the various issues involved with IP resulting from their research and inventions.

In addition, the line between academic and industrial research has been blurred, and a large amount of crossover exists due to corporate funding of academic research and collaborations between company and university laboratories. A total of 150+ persons from both UG and PG courses, research scholars and staff members of Jain Institute of Technology and various other Engineering colleges participated in this programme.

Orientation Session for Students and Faculties by Innovation Ambassador 30/8/2021



ARKA Educational & Cultural Trust (Regd.)
Jain Institute of Technology, Davangere
(A unit of Jain group of institutions, Bengaluru)
Department of Computer Science & Engineering

In Association with IIC Cell Organizing
Orientation Session by INNOVATION AMBASSADOR

DATE 30 AUGUST 2021
TIME 3.00 PM TO 4.00 PM
PLATFORM GOOGLE MEET

Resource person
Mr. Chandan K R
Proprietor
Chan Exito, Bengaluru.

HOD
Dr. Prashantha G R
CSE, JIT, Davangere

Co-ordinators
Mr. Azizkhan F Pathan
Mr. Shafiulla Shariff

Principal & Director
Dr. Ganesh D B
JIT, Davangere

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Cse-Jit, DVG
departmentofcsejit
8105420597

The Institution Innovation Council (IIC) and Department of Computer Science & Engineering, Jain Institute of Technology (JIT), Davangere jointly organized "Orientation Session by Innovation Ambassador" on 30.08.2021. The resource person, Mr. Chandan K R, Proprietor at Chan Exito, Electronic city, Phase 2, Bengaluru delivered technical talk on "Importance of Innovation in Business and Marketing". A total of 100+ persons from both UG and PG courses, research scholars and staff members of Jain Institute of Technology and various other Engineering colleges participated in this programme.

Programming Learning Path 3/9/2021



ARKA Educational & Cultural Trust (Regd.)
Jain Institute of Technology, Davangere
(A unit of Jain group of institutions, Bengaluru)
Department of Computer Science & Engineering

JIT-Coding Club in Association With
Pentagon Space
Organizing Webinar on
PROGRAMMING LEARNING PATH
"Everybody should learn to program a computer, because it teaches you how to think."
-Steve Jobs

DATE 03 SEPTEMBER 2021
TIME 11.30 AM TO 1.30 PM
PLATFORM YouTube Live

Resource person
Mr. Shreenath Waramballi,
Senior Associate Technical Trainer,
Pentagon Space Pvt Ltd,
Bangalore

HOD
Dr. Prashantha G R
CSE, JIT, Davangere

Co-ordinators
Mr. Parvathraj K M M
Mr. Shrikant Pujar

Principal & Director
Dr. Ganesh D B
JIT, Davangere

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The JIT CODING CLUB in association with PENTAGON SPACE organized the webinar with the title "PROGRAMMING LEARNING PATH". The session was conducted by Mr. Shreenath Waramballi, Senior Associate Technical Trainer, Pentagon Space Pvt. Ltd, Bangalore. The resource person explained clearly about the importance of coding skills to become job ready and current trends of job market and the scope of coding skills for next decade. He also demonstrated how to use some coding platforms like hacker earth, hacker rank, code chef etc.



RESULTS STATISTICS

ODD Semester 2020-2021

VII SEM TOPPERS		
		
KHANIYASHREE M J 4JD17CS019 PER: 89.62	SYEDA FATHIMA 4JD17CS050 PER: 83.50	RASHMI HIREMATH 4JD17CS019 PER: 83.25
V SEM TOPPERS		
		
SHWETHA R B 4JD18CS047 SGPA: 8.55	POOJA N G 4JD18CS037 SGPA: 8.45	NAYANA O M 4JD18CS031 SGPA: 8.34
III SEM TOPPERS		
		
GANESHA B S 4JD19CS019 SGPA: 9.29	AISHWARYA H U 4JD19CS002 SGPA: 9.04	RADHIKA K S 4JD19CS042 SGPA: 9.00

RESULTS STATISTICS

EVEN Semester 2020-21 (AUG 2021)

VIII SEM TOPPERS		
		
KHANIYASHREE M J 4JD17CS019 SGPA: 9.45	SYEDA FATHIMA 4JD17CS050 SGPA: 9.30	WASFIYASULTHAN K 4JD17CS055 SGPA: 9.29
VI SEM TOPPERS		
		
SHWETHA R B 4JD18CS047 SGPA: 9.0	NAYANA O M 4JD18CS031 SGPA: 8.95	POOJA N G 4JD18CS037 SGPA: 8.90
IV SEM TOPPERS		
		
AISHWARYA H U 4JD19CS002 SGPA: 9.88	RADHIKA K S 4JD19CS042 SGPA: 9.86	GANESHA B S 4JD19CS019 SGPA: 9.76

Students Achievements

Student's Name	Title	Guide	Sponsored By
Ms. Vinutha K.S. Ms. Milana n.g Ms. Pooja shree y Ms. Amrutha	Personal Authentication based on IRIS texture analysis	Dr. Prashantha G R	KSCST
Mr. Chethan A Mr. Prajwal T. H Mr. Shashank S Mr. Shivaraj K G	MEDI- GRANTHA: Recognition of antidote information from image processing techniques.	Prof. Janardhan C.N	KSCST
Ms. Khaniyashree Ms. Kanakatti Sanjana Ms. Anupama R Ms. Anusha S J	Smart Attendance using Facial Recognition	Prof. Shrikant Pujar	VTU

Technical Comic



**JACK'S
FATHER VICTOR IS IN A
POLICE STATION.**



**Good afternoon
officer!!someone has
stolen all of the money
from my credit card**

**5 hour's ago
this is jack he is a 9 years old boy,
playing with a phone**



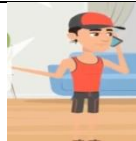
**Hello,I am govind speaking
i am calling from a gaming
store and you are the
winner free fire
congratulations**



**Hello?
Wow !! I can't believe it.**



**For verification you need
to give a 6 digit OTP from
your dad's messages
THANKS**



Ok the otp is 123456.



**This is what happened
office**



**Well someone has done a
cyber crime!!**

Some ways to stay protected are:
1.Use strong passwords.
2.Never share OTP to anyone.
3.Don't give personal information to anyone



**-KRUTHI M S
4JD20CS019**

Faculty Publications

Dr. Prashantha G.R., has presented/published a paper titled "Secured & energy efficient clone detection protocols in h-WSNs with improvement in key generation, encryption & decryption using an improvised security algorithm – A simulation study in NS2 environment", *International Journal of Communication Engineering and Its Innovations (IJCEI)*, Vol. 7, No. 1, pp. 5-14, 2021

Dr. Prashantha G.R., has presented/published a paper titled "Secured & energy efficient clone detection protocol development in h-WSNs using an improvised security algorithm – A review study", *International Journal of Communication Engineering and Its Innovations (IJCEI)*, Vol. 7, No. 1, pp. 1-4, 2021.

Prof. Azizkhan F Pathan has presented/published a paper titled "A Novel Method for Mutual Authentication in Cloud Computing", *International Journal of Creative Research Thoughts (IJCRT)*, Vol. 9, Issue 5 2021, ISSN: 2320-2882.

Prof. H.S. Saraswathi has presented/published a paper titled "Computer Aided Diagnosis of Pancreatic Ductal Adenocarcinoma using Machine Learning Techniques" in Springer international conference on sentimental analysis and deep learning in the year June 2021

Prof. Shafiulla Shariff has presented/published a paper titled "Cancer Prediction Model using Decision Tree" in International Conference on Global Convergence in Technology, Entrepreneurship, Computing and Value Engineering:Principles and Practices with the ISBN 979-85-27243-61-1 in the year 2021.

Prof. H.S. Saraswathi has presented/published a paper titled "Cancer Prediction Model using Decision Tree" in International Conference on Global Convergence in Technology, Entrepreneurship, Computing and Value Engineering:Principles and Practices with the ISBN 979-85-27243-61-1 in the year 2021.



ARKA Educational and Cultural Trust(R)
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