FOR BETTER INSIGHT

IT GAZETTE

ATAL INCUBATION CENTRE

JYOTHY INSTITUTE OF TECHNOLOGY

COMPUTER SCIENCE & ENGINEERING
JYOTHY INSTITUTE OF TECHNOLOGY
THATHAGUNI, BANGALORE - 560082

ABOUT CSE DEPARTMENT

The Department of Computer Science & Engineering was started in the year 2011, Intake increased to 120 in 2019-20 and in 2022-23 intake increased to 180. Department has well equipped and state-of-the-art Laboratories to train students in various technologies. To support strong learners a special program called elevate program started by the department to train students from 3 rd sem on various industry relevant technologies. Prepares students for the current and future demands of industry and the research world. This programme prepares students to become leaders in knowledge driven professions. The faculty members in the Department are active in the Research Areas of Computer vision, Machine Learning, Cloud computing Wireless Networks, Artificial Intelligence, Machine Learning, Data Science, BlockChain Technologies, Image Processing, Computer Vision. The Department encourages students to take up MOOC based online courses in NPTEL, Coursera, Udacity, Infosys springboard. The Department organizes Hackathons, invited talk from industry persons and workshops. The students of CSE Department are placed in various top MNCs like ITC, The Math, Accenture, Capgemini,

Vision

To be a center of excellence in Computer Science and Engineering education, focus on research, innovation and entrepreneurial skill development with professional competency.

Mission

M1: To provide state of the art ICT infrastructure and innovative, research oriented teaching learning environment and motivation for self-learning & problem solving abilities by recruiting committed faculty.

M2: To encourage Industry Institute Interaction & multi- disciplinary approach for problem solving and adapt to ever changing global IT trends.

M3: To imbibe awareness on societal responsibility and leadership qualities with professional competency and ethics.

2024 - 25
December, Issue 19

YOU ARE FREE
TO CONTACT US

https://jyothyit.ac.in/programs/computer-science-and-engineering-3/ :WEBSITE
+91 - 8123674234 :PHONE
hod.cse@jyothyit.ac.in :EMAIL

IT GAZETTE

Message From Head of the Department

It is a matter of pride for me to present the Issue 19 of CSE Newsletter for the academic year 2024-25. We are publishing this newsletter to you two times a year giving you regular updates about student/faculty achievements, academic/research activities in the department. In this issue, we are portraying the achievements and highlights of the department during last six months. I thank the editorial board, staffs, students for their wholehearted support in preparation of this Newsletter. I request you to send your comments and suggestions to us on how to make this Newsletter more meaningful to you

Dr. Prabhanjan S
Professor & Head,
Dept., of CSE
JIT

EDITORIAL MESSAGE

Hi folks! I am honored to be taking on the role of IT GAZETTE newsletter editor! This newsletter highlights events, activities and academic progress & achievements. In this edition, I have tried to capture 2024 - 25 academic year's August to December Excitement. I also hope that this newletter encourages everyone to read and get an insight of the Computer Science & Engineering Department's progressive story. Enjoy your reading.

-Mr. Navile Nageshwara Naveen
Chief-Editior, IT GAZETTE

"Persistence is very important. You should not give up unless you are forced to give up."

- Elon Musk

What's Covered???

About CSE Department

Vision & Mission of the Department

Message from the Head of the Department

Department Activities

Student Editorial Team

Mr. Bhimesh - 1JT21CS028
Mr. Vishwas R - 1JT22CS187
Mr. Prajwal Ramgond - 1JT23CS110

2024 - 25
December, Issue 19

YOU ARE FREE
TO CONTACT US

https://jyothyit.ac.in/programs/computer-science-and-engineering-3/ :WEBSITE
+91 - 8123674234 :PHONE
hod.cse@jyothyit.ac.in :EMAIL

FDP under AICTE VAANI Funding

The Faculty Development Program (FDP) conducted on August 9th and 10th, 2024, was a significant initiative under the AICTE VAANI funding scheme, aimed at promoting education and professional development in regional languages. The program, conducted in Kannada, focused on the theme of "Smart Cities and Mobilities." This theme is crucial in the context of rapid urbanization and the need for sustainable development.

Orientation Program (Entrepreneurship training)

The Orientation Program on Entrepreneurship Training was conducted on 10th September 2024 with the objective of equipping participants with essential entrepreneurial skills and knowledge. The session aimed to inspire aspiring entrepreneurs by introducing them to key concepts of business development, innovation, and strategic planning.

SIH Internal HACKATHON

The Smart India Internal Hackathon was organized on 18th September 2024 as a preliminary round for the Smart India Hackathon (SIH), providing students with a platform to showcase their problem-solving and technical skills. The event aimed to identify and nurture innovative ideas that could address real-world challenges.

Snaps Related to the Events

Entrepreneurship Training

AICTE Vanni FDP

Technical Talk on MongoDB using Vector Search and RAG

A technical talk on "MongoDB using Vector Search and RAG" was organized at JIT on Saturday, 28th September 2024, in BME5. The talk was delivered by Mr. Santhosh S Kashyap, Senior Application Delivery Consultant at MongoDB. Mr. Santhosh S Kashyap provided insights into the role of vector searching in modern databases, explaining how it enables efficient and scalable search mechanisms in applications involving large datasets. He also discussed Retrieval-Augmented Generation (RAG), highlighting how it is revolutionizing data retrieval techniques and empowering AI-driven solutions. The talk focused on both theoretical aspects and practical implementations, emphasizing the importance of these emerging technologies for students and professionals in the field.

The Under 25 Townhall

On 28th September, The Under 25 Townhall provided a vibrant platform for young leaders and innovators to connect, share ideas, and discuss the challenges and opportunities facing their generation. Held at Jyothy Institute of Technology, the event featured a digital creator Aditya, who captivated the audience with insights into the digital landscape and insights on how he reached his goal.

Snaps Related to the Events

Bengaluru, Karnataka, India
RGR6+GP, Bengaluru, Thathaguni, Karnataka 560062, India
Lat 12.841322°
Long 77.51148°
28/09/24 11:36 AM GMT +05:30

Thathaguni, Karnataka, India
Unnamed Road, Bengaluru, Thathaguni, Karnataka 560062, India
Lat 12.84099°
Long 77.51172°
28/09/24 11:12 AM GMT +05:30

Technical Talk on Mongo DB
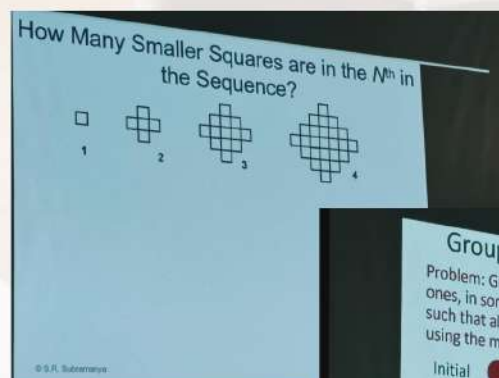
Algorithmic Thinking and Problem Solving

The Algorithmic Thinking and Problem Solving Workshop, led by Dr. S.R. Subramanya, was conducted on 1st October 2024 and aimed to equip participants with problem-solving skills through algorithmic design techniques. The workshop had a hands-on approach and catered to over 60 participants from various engineering disciplines.

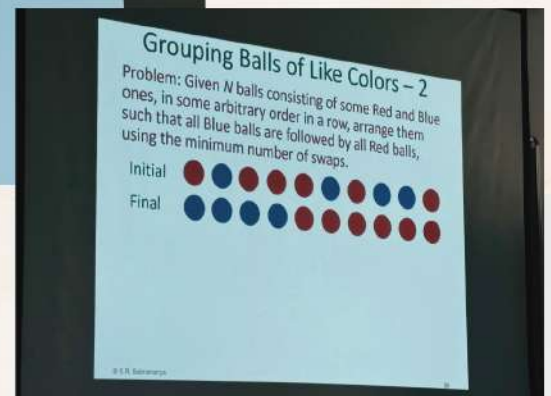### POWER BI DESKTOP | MICROSOFT POWER PLATFORM

The session on 11th November 2024 aimed to introduce students to Microsoft Power BI, a powerful business analytics tool, and demonstrate its potential in data visualization and decision-making. The goal was to equip students with skills to analyze and present data effectively, preparing them for data-driven careers.

Snaps Related to the Events

How Many Smaller Squares are in the Nth in the Sequence?

1   2   3   4

© S.R. Subramanya

Problem Solving

Grouping Balls of Like Colors – 2

Problem: Given N balls consisting of some Red and Blue ones, in some arbitrary order in a row, arrange them such that all Blue balls are followed by all Red balls, using the minimum number of swaps.

Initial

Final

© S.R. Subramanya

National Service Scheme (NSS)

The NSS (National Service Scheme) unit of Jyothy Institute of Technology, known for its commitment to community service and development, organized a highly impactful and meaningful event titled "Plantation and Adoption of Plants: Know Your Plant" on 30th November 2024. This environment-centric activity aimed to bring together students, faculty, and volunteers to contribute actively towards ecological conservation and sustainability.

Visit to UR Rao Satellite Centre (URSC)

On the 26th of November 2024, a group of 9 students and 3 faculty members from JIT College had the privilege of visiting the prestigious UR Rao Satellite Centre (URSC) as part of the Kannada Kammata program. This enriching experience was tailored to provide insights into the fascinating world of space technology, with a specific focus on the theme of Space Stations.

International Programmers Day and Project Exhibition: Progress Fair

International Programmers Day was celebrated on 30-11-2024 under the banner of CSI. As part of the event, a Project Exhibition was organized for the students 0f 3,5 and 7 semester students. Around 100 teams participated in the event.

Snaps Related to the Events

NSS Plantation

Visit to URSC, Bangalore

National Service Scheme (NSS)

On December 1, 2024, the National Service Scheme (NSS) organized an impactful environmental preservation activity at the Art of Living International Center. The event provided participants with an opportunity to contribute to the upkeep of the serene gardens, aligning with the center's mission of promoting harmony with nature. This initiative highlighted the significance of teamwork, responsibility, and environmental awareness, creating a memorable experience for everyone involved.

Visit to Desiri Venture

To provide an exposure to the students on "How to become an entrepreneur and have a start-up"., have complete idea on the ground work to be done and how to identify the domain and create a business model.

Project Exhibition

On December 24, 2024, the Department of Computer Science and Engineering at Jyothy Institute of Technology held a project exhibition as part of the DDCO curriculum for 2nd year students. This mini-project exhibition provided an opportunityfor students to demonstrate their technical skills and creativity. Over 40 teams, consisting of 2 to 4 students each, participated in the event, showcasing a wide variety of innovative projects.

Snaps Related to the Events

Visit to Desiri Venture

Bengaluru, Karnataka, India
Rgg5+9r8, Bengaluru, Karnataka 560082, India
Lat 12.825913° Long 77.509486°
01/12/24 11:55 AM GMT +05:30

NSS Environment Preservation

Ramanagara, Karnataka, India
Magadi, Ramanagara, 562127, Karnataka, India
Lat 12.983991, Long 77.324814
12/04/2024 11:44 AM GMT+05:30
Note : Captured by GPS Map Camera

Student's Achievement

Techno Events

1. Bhanushri Jaisimha(1JT22CS022) participated in HACK KSHETRA'24 - 24 hrs National Levele Hackthon at Vidyavardhaka College of Engineering, Mysuru on 25th & 26th October 2024.

2. Bhanushri Jaisimha(1JT22CS022) participated in Gameathon 7.0 at Jyothy Institute of Technology on 6th & 7th December 2024.

3. VISHAL M KOTI(1JT21CS124) participated in Blankiey - International Innovation Challenge Hackathon (IIC-2024) at Manipal University on 15th & 16th November 2024. And participated in Innovationa, Design & Entrepreurship (IDE) Bootcamp, Edition 2- Phase I Jaipur at S V National Institute of Technology, Surat, AICTE & Ministry of Education's Innovation Cell(MIC) from 23th to 27th of September 2024.

4. SHAKTHI PRASAD S(1JT21CS093) and BHARATH C(1JT22CS400) won Thrid Prize of cash 20,000/- in Innovation in the event Technology & Infrastructute at V-Launch Pad 3rd Annual Business Plan Competation - VIT-AP University.

5. SIDDHARTHA MAHESHA PANDIT(1JT21CS102) and Madhan Kumar S(1JT21CS058)participated in Innovationa, Design & Entrepreurship (IDE) Bootcamp organized at S V National Institute of Technology, Surat, AICTE & Ministry of Education's Innovation Cell(MIC) from 23th to 27th of September 2024.

6. K Naveen Reddy(1JT22CS068), Harinand P(1JT22CS054), K Balamurali Krishna(1JT22CS066) participated in SAE Aero Design East organized by SAE International, Van Nuys, California, United States.

Congratulations

Team including Vishal M Koti(1JT21CS124), Siddhartha Mahesh Pandit(1JT21CS102) and Srinivasa Nadig(1JT21CS106) has won 2nd Runner Up in"Samsung Innovation Challenge", under the guidance of Prof. Srinidhi Kulkarni, earning a prize of 1 Lakh Rupees on 27th August 2024.

Toopers of Even Sem

8th Sem -

Harshitha S(1JT20CS037) - 93.47%

6th Sem -

V Punya Lakshmi(1JT21CS117) - 91.88%

4th Sem -

Keerthana A R(1JT22CS076) - 88.44%

48th Series of Student Project Program(SSP), KSCST Project Approved for 2024-25

Sustainable Water Management: A Remote Sensing Perspective on Lake Health

The students from Final Year CSE got the above titled Project approved by 48th Series of Student Project Programme(SPP):2024-25 Karnataka State Council for Science and Technology

Team:
Mr. Sudhanva, Mr. Srihari V P,
Ms. T A Nayana, Ms. Varshni L

Under the Guidance of:
Dr. Nikitha S
Assistant Professor, Department of CSE

Congratulations