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PES INSTITUTE OF TECHNOLOGY & MANAGEMENT

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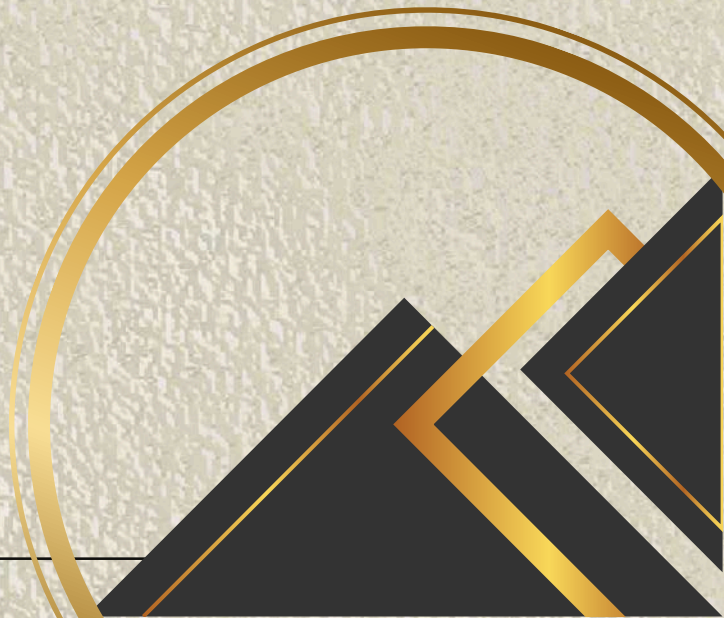
NH-206,SAGAR ROAD,SHIVAMOGGA-577204

DEPARTMENT *of* DATA SCIENCE

AVANTARA

Department Official Newsletter

ABOUT DATA SCIENCE & ITS SCOPE

Data Science is one of the most exciting and in-demand fields today, offering opportunities in technology, business, healthcare, and many other industries. For college students, learning data science can open doors to high-paying jobs, research opportunities, and even entrepreneurship.

Scope :

The Data Science Department in a college plays a vital role in equipping students with programming, machine learning, and analytical skills, offering a blend of theory and practical learning through courses, research, and industry collaborations, while also providing career opportunities in data analytics, AI, and big data across various sectors.

Dear Colleagues And Students,

I am pleased to share some highlights of our Data Science Department's ongoing success. This year, we continue to grow stronger, thanks to the hard work of our faculty, the dedication of our students, and our strong industry connections.

The department's ongoing success is also reflected in the increasing number of collaborations with leading industry organizations, which provide our students with unique opportunities for real-world application of their skills. This connection between academia and industry is essential for ensuring that our graduates are well-equipped to meet the demands of the data-driven world.

Our department remains committed to providing a high-quality education and offering exciting research opportunities. The work we do together ensures that our students are well-prepared for the challenges of a data-driven world.

We look forward to building on these achievements and continuing to move forward as a leading department in the field of data science.

Best Regards,

Dr. Sunitha.B.S

Head of the Department of Data Science
PESITM, Shivamogga

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1. Java Project Exhibition :

Event Details:
1. Date: Dec 3rd , 2024
2. Time: 1.30 PM to 4.00 PM
3. Venue: Lab 3F16 A and C
4. Project Presented By: 3rd sem

- Overview: A showcase of innovative Java-based projects developed by students, highlighting their creativity and technical skills.
- Purpose: To provide an opportunity for students to present their projects and for attendees to explore cutting-edge Java solutions.

Exhibition Projects will demonstrate practical applications of Java,
The outcome of the Java Project Exhibition on December 3rd, 2024, will
include:

- Enhanced Learning: Students will gain practical experience by presenting their projects, reinforcing their knowledge and skills.

- Innovation Showcase: The event will highlight the creativity and technical abilities of the 3rd-semester students in applying Java to real-world projects.
- Inspiration for Future Projects: The exhibition will serve as inspiration for both students and attendees to explore new ideas and push the boundaries of their own projects.

2. Skill Development Program on "Generative AI"

Organized by: CSE (Data Science) Department and ISE Department
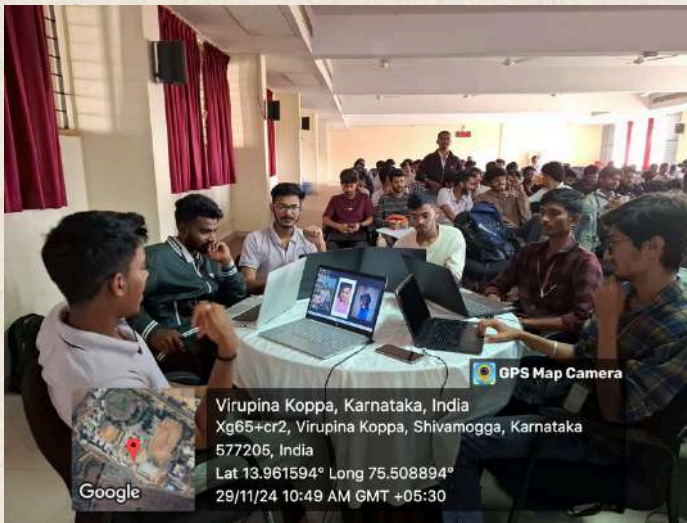Target Audience: 3rd and 5th Semester Students
Dates: November 28th - December 1st, 2024
Venue: Main Seminar Hall, PESTIM, Shivamogga.
This workshop was organized collaboratively by the Computer Science and
Engineering (Data Science) Department and the Information Science and
Engineering (ISE) Department. The primary goal was to expose students to
cutting-edge AI techniques, including but not limited to generative models,
neural networks, and their applications in various industries.

Outcome of the Workshop:
- Skill Enhancement: Students will develop skills in using generative AI tools and
- Career Readiness: Students will be better equipped for careers or internships in AI, data science, and machine learning, with a focus on generative technologies.

3. Saraswathi Pooja Celebration

On 10th October 2024, the Data Science Department at PESITM Shivamogga celebrated Dasara and Saraswati Pooja with great enthusiasm and devotion. The event was a beautiful blend of cultural tradition and academic reverence, reflecting the significance of knowledge and learning in the field of data science.

Overall, the Dasara and Saraswati Pooja celebration was a memorable and enjoyable occasion, one that combined both spiritual and academic elements, and left all participants feeling more connected, both with their studies and each other.

4. Ethnic Day Celebration

On 7th December 2024, the Data Science Department at PESITM Shivamogga celebrated Ethnic Day with great enthusiasm, focusing on the cultural representation of the state of Odisha. The event was marked by vibrant displays of tradition, costumes, and fun-filled activities, making it a memorable day for all the students involved. Overall, the Ethnic Day celebration on 7th December 2024 was an absolute success, filled with the vibrant spirit of Odisha. The event not only showcased the beauty of Odia culture but also brought the Data Science students together, creating a joyous and culturally enriched atmosphere. It was a day of celebration, fun, and pride in India's diversity!

5. Student Achievement

We are proud to announce that a team of 3rd-semester students from PESITM Shivamogga has secured 4th place in the Smart India Hackathon (SIH) 2024.

The team, consisting of students from the Data Science Department and the Computer Science and Design (CSD) Department, demonstrated exceptional innovation and problem-solving skills, earning recognition in this prestigious national competition.

The accomplished students are:

1. Data Science Department:
   - Md Ayan
   - Y. G. Uday Kumar Reddy
   - Jeevan K. G

2. Computer Science and Design (CSD) Department:
   - Soujanya Shanbagh
   - Rajath Ravikumar
   - Vijetha V. Naik

We extend our heartfelt congratulations to these talented students for their exceptional performance and dedication. Their innovative thinking and collaborative efforts have earned them this prestigious recognition, bringing immense pride to our institution.

Bhoomika D. M (USN: 4PM22CD006), a 5th-semester student of the Data Science Department, has achieved remarkable success in the VTU Examination, scoring an outstanding 818/900. Bhoomika's excellent performance is a result of her dedication, hard work, and consistent effort throughout the semester.

Zeenath Banu S (USN: 4PM22CD063), a 5th-semester student of the Data Science Department, has achieved outstanding results in the VTU Examination. Zeenath scored an impressive 810/900, showcasing her hard work, dedication, and academic excellence.

Sumangala Chikalgudd (USN: 4PM23CD055), a 2nd-year 4th-semester student in the Data Science Department, has achieved remarkable success in the VTU Examination, scoring outstanding marks and receiving a Gold Medal for her exceptional performance in the 1st Year. Sumangala's excellent performance is a result of her dedication, hard work, and consistent effort throughout the semester

6. VTU Central Division Intercollege Cricket Tournament & Sports

Congratulations to Amith N. R. (4MPCD23003) and Nagananda M. Shet (4PM23CD033) of CSE(data Science) Department 3rd semester for their outstanding performance in leading the PESITM Cricket Team to victory in the VTU Central Karnataka Division
Intercollegiate Cricket Tournament finals against MCE Hassan. With a target of 164 in just 30 overs, the team bowled out MCE Hassan for just 89 runs, showcasing exceptional teamwork and skill. Well done on this remarkable achievement!

1. **Mr. Affan Ali Khan** has been awarded the most Valuable Player under 19 State Level Men's Basketball Tournament Held at Nehru Stadium Shivamogga 2024

2. Mr. **Affan Ali Khan**, **Mr Numan Ahmed** has been declared as WINNERS of PES CUP 2024 organized by PESIAMS, Shivamogga.

7.Faculty Achievements

- Dr. Sunitha B. S Delivered a talk on Python Programming at Govt Womens Polytechinic , Shimoga on 27th September 2024
- Dr. Sunitha B. S is a Resource person for Two Weeks National Level Workshop on Data Visualization on Python Programming from 20th September 2024 to 3rd October 2024
- Reviewer Invitation for 3rd International Conference on Advancement in Computation & Computer Technologies
- Dr. Sunitha B. S has published a journal : Application No. 202441052753 is published in the Patent Office Journal, dated 19/07/2024. Title of the Invention: AN APPROACH OF TOPIC MODELLING AND ENSEMBLE LEARNING TO ANALYZE THE ASPECT SENTIMENTS OF RESTAURANT CONTEXTS
- Ms. Sneha S 2024 Combating SMS attacks using deep learning with embedding technique
- ·Fourth International Conference on Multimedia Processing, Communication & Information Technology (MPCIT)
- Mr. Nthin H.V "Android Malware Detection using Deep learning Techniques" 4th IEEE International Conference 'MPCIT-2024' held at JNNCE, Shivamogga during 13-14th Dec 2024.

8.Artistic Works

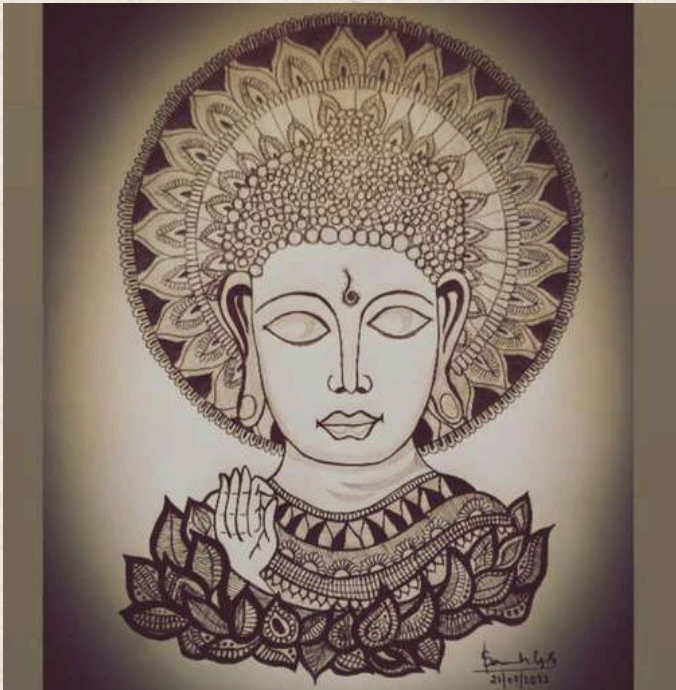*Drawings & Paintings*

- Numan Ahmed
  5th sem CSDS

- Prajwal M P
  5th sem CSDS

- Sanchitha GS
  5th sem CSDS

- Jeevan K G
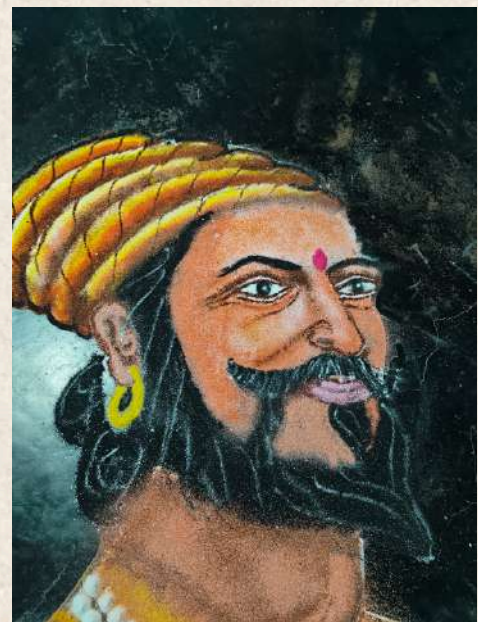 3rd sem CSDS

- Sinchana S
  3rd sem CSDS

VTU fest at SJCIT college chikkabaapura

- Chinmayi s manjunath
  3rd sem CSDS

9.NPTEL Exam Results

S.no	Course Name	Name	College Roll no
1	Problem Solving Through Programming in C	CHARAN K A	4PM22CD009
2	Problem Solving Through Programming in C	Darshan Ganapati Naik	4PM22CD010
3	Problem Solving Through Programming in C	POOJITHA	4PM22CD029
4	Problem Solving Through Programming in C	PRAJNA PRASHANT HEGDE	4PM22CD031
5	Problem Solving Through Programming in C	Sudhir Reddy	4PM22CD055
6	Problem Solving Through Programming in C	Sushmitha U k	4PM22CD057
7	Problem Solving Through Programming in C	T KAVANA	4PM22CD058
8	Problem Solving Through Programming in C	Prashantha D	4PM22CD033
9	Python for Data Science	Jagadish Chikalgudd	4PM22CD013
10	Data Science Using Python	Keerthana S. R	4PM22CD014
11	Problem Solving Through Programming in C	Ananya S	4P22CD004
12	Python for Data Science	Ananya S	4P22CD004
13	Problem Solving Through Programming in C	POORVIKA K M	4P22CD030
14	Problem Solving Through Programming in C	S TEJASHREE	4P22CD038

Thank You