



# Little Flower Degree College

(Affiliated to Osmania University)

Uppal, Hyderabad

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**LEAD TO ILLUMINATE**



**DEPARTMENT OF PHYSICAL SCIENCES  
2024-25**



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## INDEX

S.NO	DATE	FACULTY/DEPT	NAME OF THE EVENT	VENUE	PARTICIPANTS
1.	29th June, 2nd July 2024	Statistics	Ninth International Conference on Recent Trends in Statistical Theory and Applications - 2024 — <b>Paper Presentation — Attended</b>	Online Mode	01
2.	1st - 15th, July 2024	Electronics	Certificate Course- ARDUINO <b>(Attended)</b>	Online mode	01
3	22nd-26th July 2024	Mathematics	One Week Online International FDP- NCDS - 2024 - <b>(Attended)</b>	Hybrid mode	03
4.	1st August 2024	Computer Science	Smart Board training - SENSES BOARD - <b>(Organized)</b>	Room No P11	14
5.	1st-3rd, August 2024	Statistics	3 - Day Workshop on Power BI- <b>(Organized)</b>	Computer Lab- LFDC	60
6.	3rd August 2024	Statistics	Faculty Orientation Programme – <b>(Attended)</b>	Dept. of Statistics, OU	01
7.	8th -9th August 2024	Statistics	Paper Presentation at International conference - <b>(Attended)</b>	Online Mode	02
8.	17th Aug 2024	Computer science	Invitation as judges for -TECHWIZ-2024 <b>(Attended)</b>	LFDC	02
9.	22nd -23rd Aug 2024	Electronics & Physics	ARDUINO Workshop <b>(Organized)</b>	Computer Lab - LFDC	50
10.	7th Sept 2024	Computer Science	Skill Development Course <b>(Resource Person)</b>	St Pious X Church	01
11.	30th September 2024	Computer Science	CODE GRUNT- Intra Collegiate Competitions <b>(Organized)</b>	Computer Lab- LFDC	9 Teams



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12.	30th Sept 2024	Statistics	STATS RANGOLI- Intra Collegiate Competition <b>(Organized)</b>	Karunya Court- LFDC	20
13.	30th September 2024	Mathematics	MATH TAMBOLA - Intra Collegiate Competitions <b>(Organized)</b>	Room No I 21	15 Teams
14.	30th September 2024	Physics & Electronics	Scientists and Inventions- Intra Collegiate competitions <b>(Organized)</b>	Room No P 25	23
15.	11th November 2024	Physics & Electronics	World Science Day Celebrations <b>(Organized)</b>	Montfort Hall	97
16.	9th-23rd, Dec 2024	Mathematics	Two-week online Refresher course <b>(Attended)</b>	Online Mode	03
17.	16th - 23rd, Dec 2024	Computer science	FDP on Innovation in ML, AI, DS & Modelling <b>(Attended)</b>	Hybrid mode	05
18.	18th-24th Dec 2024	Computer science	FDP in Distance Learning <b>(Attended)</b>	Online mode	01
19.	19th Dec 2024	Mathematics	National Mathematics Day Celebrations <b>(Organized)</b>	Montfort Hall	60
20.	23rd-25th, Jan 2025	Statistics	Paper presentation by students at International Conference - <b>(Attended)</b>	Online mode	03
21.	25th Jan- 28th Feb 2025	Computer science	NIIT Skill Development Program <b>(Organized)</b>	Online mode	99
22.	30th Jan 2025	Computer Science	Seminar on Growing relevance in industries <b>(Organized)</b>	Montfort Hall	120



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23.	1st Feb 2025	Computer Science	ABACUS The National Level IT Quiz- <b>(Attended)</b>	Badruka College of Information Technology	02
24.	4th Feb. 2025	Physical Sciences	Intercollegiate Competition: Crossword Puzzle and CPU Assembling <b>(Organized)</b>	LFDC	30
25.	6th Feb. 2025	Statistics	Field visit: NSO stall, Industrial exhibition, Nampally <b>(Attended)</b>	Exhibition Grounds	04
26.	14th Feb 2025	Computer Science	Session on Resume Building <b>(Organized)</b>	Montfort Hall	120
27.	15th Feb 2025	Physical Sciences	2kRun Marathon on the Occasion of Cyber Security Day <b>(Organized)</b>	LFDC stadium, Ramanthapur	100
28.	17th – 21st, Feb 2025	Physical Sciences	One week FDP on Research and Write with AI Assistance <b>(Attended)</b>	Online mode	07
29.	28th Feb 2025	Physics	Project Exhibition at Badruka College, Hyderabad <b>(Attended)</b>	Badruka college	04
30.	28th Feb 2025	Physical Sciences	Visit to Survey of India on the occasion of National Science Day <b>(Attended)</b>	Survey of India	23
31.	7th March 2025	Statistics	International conference on Innovative and Emerging Technologies for Sustainability 2025 <b>(Attended)</b>	St Francis College Begumpet, Hyderabad	07
32.	11th-12th March 2025	Computer science	Certificate Course:” Digital 101 Journey:	Montfort Hall, LFDC LFDC	246



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			Foundation Skills for Youth.		
33.	17th -21st March 2025	Computer science	Five Day National Level FDP on The Future of Research – AI Tools as a Game Changer” <b>(Attended)</b>	Virtual Mode	05
34.	17th -22nd March 2025	Mathematics	One week program on intimation into Mathematics program <b>(Attended)</b>	Mahatma Gandhi, University, Nalgonda	01
35.	3rd Jan-21st March 2025	Computer science	Certificate course - Data science and analytics <b>(Organised)</b>	Montfort Hall. LFDC	120
36.	10th -11th April 2025	Statistics	Two Day National Workshop- Statistical Data Analysis with JAMOVI: A Practical Approach	Online Mode	02



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## FACULTY OF STATISTICS

### **Paper presentation in International Conference**

**Event:** International Conference – Paper Presentation by Statistics Faculty

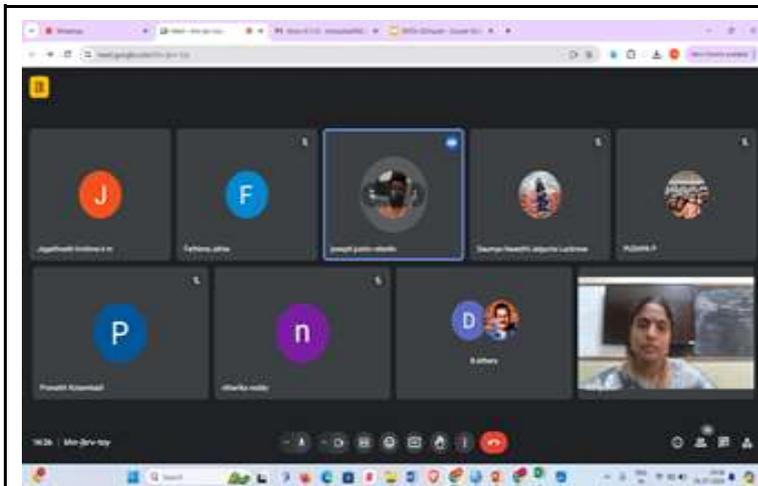
**Date:** 29<sup>th</sup> June to 2<sup>nd</sup> July 2024

**Venue:** Online Mode

**Topic:** Recent Trends in Statistical Theory and Applications-2024

**Participants:** 01

A five-day International Conference on “Recent Trends in Statistical Theory and Applications-2024” was held on the occasion of National Statistics day from 29<sup>th</sup> June to 2<sup>nd</sup> July, 2024 in hybrid mode organized by the department of statistics, School of Physical & Mathematical Sciences, University of Kerala jointly with International Statistics Fraternity (ISF), Kerala Statistical Association (KSA) and Statistics Fraternity Kerala (SFK). Ms. Manjusha, Faculty of Statistics presented a paper in a five-day international conference. “Evaluating Distribution Fitting Methods for Predicting Child Growth Parameters: A Comparative Analysis across Various Distributions” was the title of the conference paper that was presented. The Event brought together professionals, researchers, and experts from various fields to explore and discuss the latest advancements in statistics and data science techniques. Certificates were distributed to presenters, acknowledging their role in making the Event a success.



Ms. Manjusha presenting the paper at International Conference



Ms. Manjusha presenting the paper on child growth development



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## FACULTY OF ELECTRONICS **CERTIFICATE COURSE – ARDUINO**

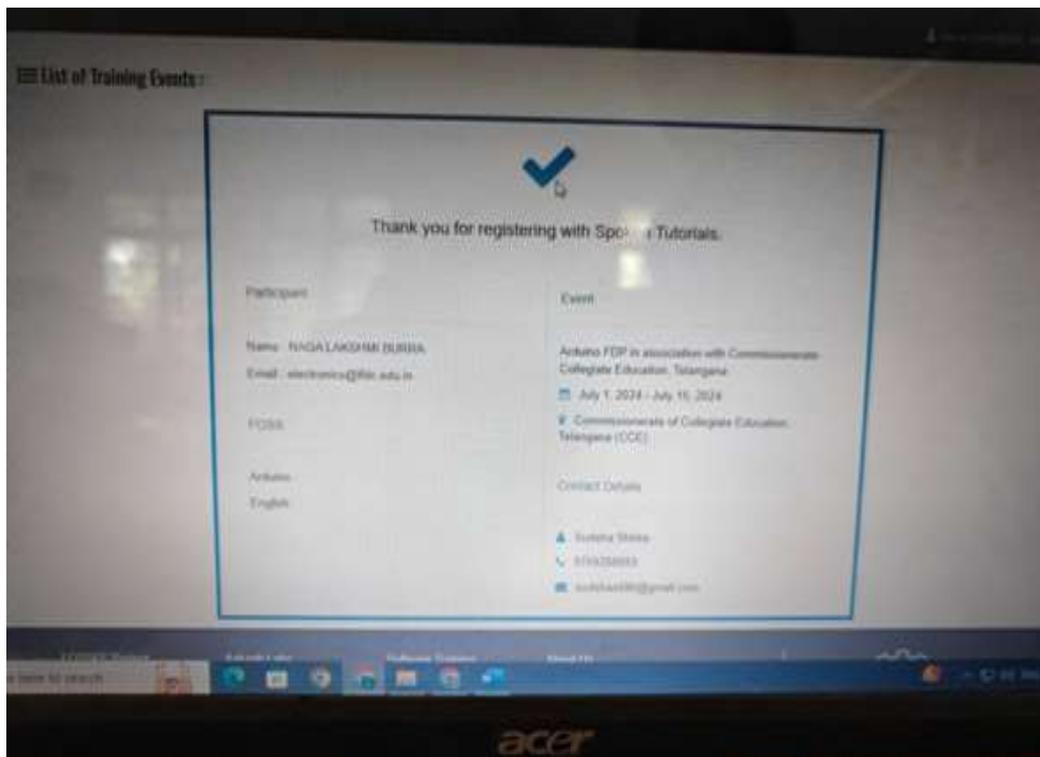
**Event:** Certificate course- Arduino

**Date:** 1st July to 15th July 2024

**Venue:** Online Mode

**Participants:** 01

An online certificate course on Arduino conducted by IIT Bombay Spoken Tutorial jointly in collaboration with the Commissionerate of collegiate Education, Hyderabad was attended by Ms. T. Naga Lakshmi, Faculty of Electronics, Department of Physical Sciences. It was conducted online from 1.07.2024 to 15.07.2024. After registering for the course, the link for the course material was sent. Exam was conducted on 16.07.2024. The exam is conducted online and a certificate was sent to registered mail id upon getting a score of 40 percent and above.





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## FACULTY OF MATHEMATICS

### One Week Online International FDP

**Event:** One Week Online International FDP

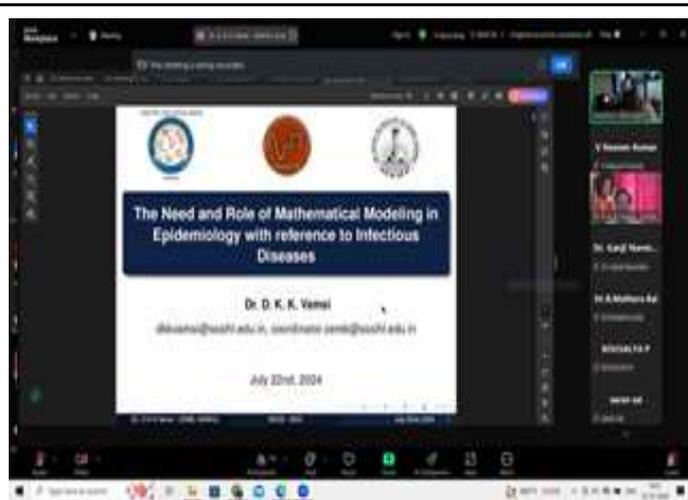
**Date:** 22nd to 26th - July 2024

**Venue:** Online Mode

**Topic:** Numerical Computations and Dynamical Systems

**Participants:** 03

Mr. M. Prashanth, Ms. T. Swapna, and Mr. V. Naveen Kumar faculty of mathematics, Department of Physical Sciences, attended the one week online International Faculty Development Program on “Numerical Computations and Dynamical Systems”, organised by the Department of Mathematics, Anurag University, Hyderabad, Telangana, from 22-06-2024 to 26-06-2024. The speakers from various universities delivered the sessions during this FDP. This Event enhanced the knowledge and skills of faculty members in the field of numerical methods and dynamical systems and provided a comprehensive understanding of advanced computational techniques, enabling Participants to address complex problems in science and engineering.



Dr. D. K.K. Vamsi Dasu, giving a glance on the role of mathematical modelling in epidemiology



Prof. O.D. Makinde, explaining about thermal management and its applications



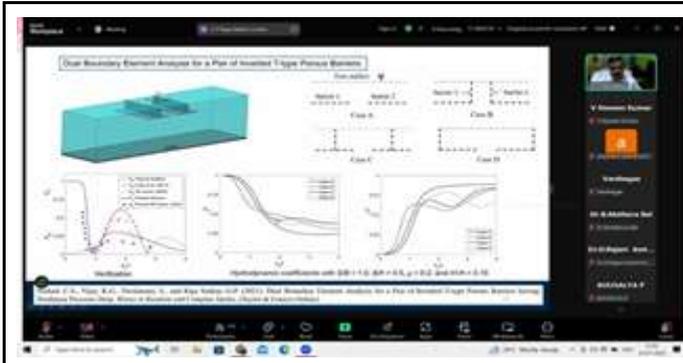
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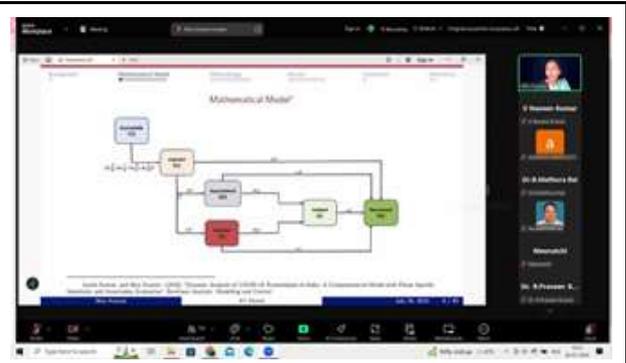
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Prof. G.P. Rajashekar, explaining about the dual boundary element analysis for a pair of inverted T-type porous barriers



Dr. Nitu Kumari, explaining about the mathematical modelling of the applications of dynamic mode decomposition in deciphering COVID 19



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## FACULTY OF COMPUTER SCIENCE **SMART BOARD TRAINING SESSION**

**Event:** Training session - Senses Board

**Date:** 1st August 2024

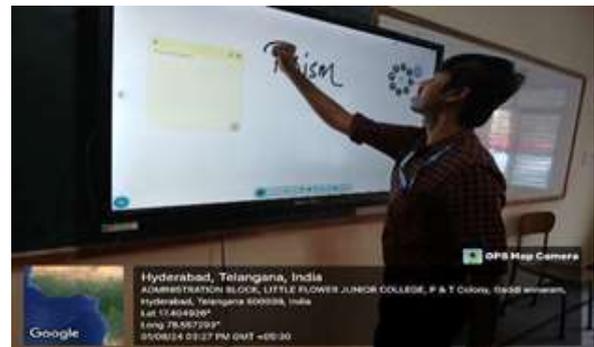
**Venue:** Room no D01

**Participants:** 14

The ICT CELL, Little Flower Degree College has organized a training session for the teaching fraternity on "Smart Board". The trainer of the session was Mr. Nike Karthik from Senses Electronics PVT. Ltd. The speaker's engaging style created an atmosphere that encouraged conversation and active learning. Features like pen tools (with choices for tiny and large tips), different kinds of erasers (grouped into four different sorts), and the use of splitter mode were among the main points of attention. The trainer also conducted a hands-on session and clarified their doubts.



Ms. P. Bhavani, Faculty of Computer science, Department of Physical Sciences during the hands-on session



Mr. Samuel Prasad, Faculty of English, Department of Arts trying the various features of the smart board



Ms. Kezia, Faculty of English, Department of Arts exploring the various features of the smart Board



Ms. Bharati, Department of Commerce trying to explore the AI feature.



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## FACULTY OF STATISTICS

### **3-Day Workshop**

**Event:** 3-Day Workshop

**Date:** 1st - 3rd August 2024

**Venue:** Computer Lab, LFDC

**Topic:** Power BI

**Participants:** 60

A 3-day workshop on Power BI was conducted from 01/08/2024 to 03/08/2024 from 2:00 pm to 4:00 pm, and the motive behind this program is to provide in-depth knowledge of Microsoft Power BI, which is a great tool for business analytics and data visualisation. Around 60 students from the Department of physical sciences attended the workshop. Ms. Swapna, the data analyst and resource person, guided the attendees through the installation and setup of Power BI Desktop, data loading and transformation, as well as creating basic and advanced visualisations. Apart from that, data modelling, advanced DAX functions, and building interactive reports were covered. The last day was dedicated to how to publish and share reports with Power BI Mobile, and best practice considerations while developing reports. By the end of the workshop, students had fully been empowered with the skills to use Power BI in support of creating robust, insightful, and interactive reports for data-driven decision-making.



Students participating actively in the workshop



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## FACULTY OF STATISTICS

### Faculty Orientation Programme

**Event:** Faculty Orientation Program

**Date:** 3rd August 2024

**Venue:** Dept. of Statistics, O. U

**Participants:** 01

A faculty orientation programme for UG Statistics faculty on “Trends in Teaching Statistics at UG level” was organized by the Department of Statistics, University College of Science, Osmania University. Ms N. Dhvani, Faculty of Statistics, Department of Physical Sciences attended the program on 3<sup>rd</sup> August 2024 from 10:00am to 04:30pm. Prof. N. Ch. Bhatra Charyulu, BOS and Prof. G. Jayasree, Head, Department of Statistics were the resource persons of the program. Objective of this Faculty Orientation Program is to give orientation to the faculty on teaching statistics to B.Sc. students as per the new syllabus of B.Sc. Statistics First Year First semester of the academic year 2024 - 2025. It covers both theoretical and practicals with real time application orientation with base concepts. Implementation of practicals to the real life and online datasets with different measurement of scales of data using R and Excel and preparation of statistical reports & writing statistical records. The Program concluded with distribution of the certificates to the Participants.



Prof. G. Jayasree, Head, Department of Statistics delivering the session on Basic Statistics and Probability



Prof. Jayasree handing over the Participation Certificate to Ms. N. Dhvani



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## FACULTY OF STATISTICS

### **Paper Presentation in International Conference**

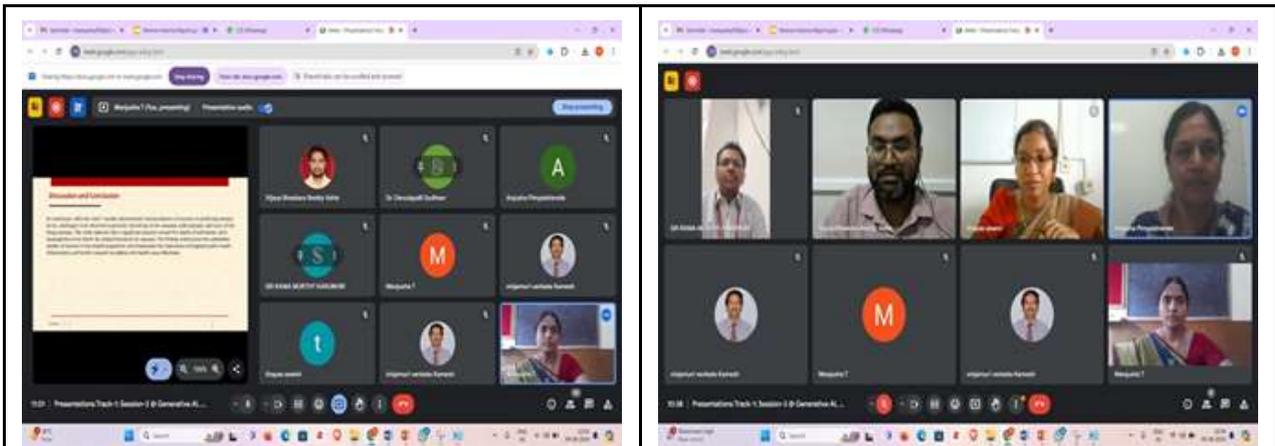
**Event:** International Conference on Advances in Computer Engineering and Communication Systems

**Date:** 8th - 9th August 2024

**Venue:** Online Mode

**Participants:** 01

A two-day International Conference on “International Conference on Advances in Computer Engineering and Communication Systems, ICACECS-2024” was held on 8th & 9th Aug, 2024 in hybrid mode organized by the department of CSE, VNR VJIET. MS. Manjusha, Faculty of Statistics, Department of Physical Sciences presented a paper in the conference. The presented paper in the conference entitled: “Assessing Anaemia Prevalence among women: A Comprehensive Analysis Using Machine Learning Approaches with the NFHS-5” was awarded as the **Best Paper** at the conference. This recognition reflects the importance of the topic and the innovative solutions proposed. The award was presented during the closing ceremony, where she had the opportunity to share insights about her research journey and the impact of collaborative efforts in addressing global energy challenges.



Ms. Manjusha presenting the research paper at international conference



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## FACULTY OF COMPUTER SCIENCE

### TECHWIZ 2024

**Event:** Invitation as Judges for 'TECHWIZ 2024'

**Date:** 17th August 2024

**Time:** 10:30AM -12:30 PM

**Venue:** Little Flower School, Uppal.

**Participants:** 02

Little Flower School, Uppal, had organised 'TECHWIZ 2024' an inter school competition on 17<sup>th</sup> August 2024. Ms. A. Bhavani and Ms. P. Bhavani from the faculty of computer science were invited to judge HTML coding, and Ms. Suvarna Jeevapuri from the Department of Arts was invited to judge PPTs on Artificial intelligence.

Three students Maria Akshitha, Ramya Sri and Meghana from II B.com (CA) were invited as quizmasters to conduct the IT Quiz competition.

The Topic for HTML coding was E-Books and there were six teams of three students in each team and in PPT there were six teams of two in a group. Students were given an hour to prepare the PPT. Students did a great job covering topics such as social media, Health sector and Environmental suitability etc. Students conducted a quiz on IT for both junior and senior groups. Many students from various schools had participated in these competitions.



Ms A. Bhavani & P. Bhavani, faculty of computer science overseeing the code of HTML



Ms. Suvarna judging the PPT



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Students of Little Flower Degree College with Bro. Joseph Pasala, Principal, Little Flower School



Group Photograph



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## FACULTY OF ELECTRONICS AND PHYSICS **WORKSHOP REPORT**

**Event:** Arduino Workshop

**Date:** 22nd - 23rd August 2024

**Time:** 09:30AM - 04:00 PM

**Venue:** Computer Science lab

**Participants:** 50

### **Report**

The faculty of Electronics & Physics, Department of Physical sciences has organized a two-day workshop on Arduino for II and III B.Sc Physics & Electronics students. The workshop was organized for two days on 22nd and 23rd August 2024. This workshop was conducted by Mr. shareef and team from Physitech Electronics Pvt. Limited, Hyderabad. The objective of the workshop was to train the students on Arduino and develop simple projects.

On the first day of the workshop, students were introduced to the fundamentals of Arduino technology. The session began with an overview of Arduino boards, including the various types available and their respective features. Participants were also acquainted with a range of commonly used sensors and the integrated development environment (IDE) utilized for programming Arduino boards. In the initial session, students engaged in hands-on activities involving basic Arduino projects, such as LED blinking and dancing LED patterns, to develop foundational skills. During the second session, students were organized into small groups and assigned specific projects. Each group was provided with a detailed problem statement, and the required circuit diagrams were thoroughly explained. Students then assembled their circuits accordingly, reinforcing their understanding of hardware connections. On the second day of the workshop, Participants successfully advanced to writing and uploading code to the Arduino boards, demonstrating their ability to independently program and implement their assigned projects.



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Mr. Shareef explaining about Arduino board



III B.SC MECS checking the Home automation code



Trainer from physitech explaining the code to B.SC II MECS students



II B.Sc MPCS students discussing about circuit connections



Mr. Shareef explaining about the Automatic dustbin project



Students attentively listening to the circuit connections of Smart gate Railway project



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## FACULTY OF COMPUTER SCIENCE

### **Skill Development Programme**

**Event:** Skill Development programme

**Date:** 7th September 2024

**Time:** 10:00am -11:30 am

**Venue:** St Pius X Church

**Participants:** 01

Ms. A. Alekhya, Faculty of Computer Science, Department of Physical Sciences was invited as a resource person to teach basic coding to the students for Skill Development program Organised by St. Pius X church, Parish Priest Fr. Kishore Dasari on 7th September 2024 from 10:00 am to 11:30am. The session was designed to introduce fundamental coding concepts and enhance the technical skills of Participants.

The session covered some of the key aspects like various programming languages focusing on Python, due to its simplicity and widespread use in various industries. Basic Syntax and Structure, in-depth explanation of programming syntax, including variables, data types, operators, control statements - if, if-else, switch, looping statements, Arrays etc., example programs. control statements, Arrays. The session concluded with a question & answer segment, where Participants clarified their doubts and discussed the application of coding in real-world scenarios. The feedback from Participants was overwhelmingly positive.



Mrs. Alekhya taking session on basic coding



Students actively participated to learn the coding



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## FACULTY OF COMPUTER SCIENCE

### **Intra Collegiate Competition**

**Event:** CODE GRUNT – Intra Collegiate Competitions

**Date:** 30th September 2024

**Time:** 11:40-12:40

**Venue:** Computer Lab

**Topic:** Programming in C-Language & Python

**Participants:** 9 teams

The Faculty of Computer Science has conducted Code-Grunt as a part of Intra-Collegiate competitions. Students from various streams participated in the competitions. During this competition, the students should detect the errors in the syntax of the given code and execute it in a stipulated time.

The main objective of the program is to encourage students to develop creative solutions & opportunities to sharpen technical skills. Total of 9 teams participated in the competitions. The students participated with great zeal and Interest. The competition successfully fostered a spirit of collaboration among Participants.

The winners of the competition are:

S. No	Name of the Students	Class	Winning Place
1	Sai Shrestha Yashaswini Anshika. M	MSDS -3	I
2	Himanshi P. Sanjana Tansi	MSDS-I	II
3	K.V. Sneha Lalitha Harshitha. K R. Karuna	MPCS-I	III



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Students taking part in competition



Students searching for Errors in Code and Executing



Students sorting and Finding solutions for program



Students executing the code



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## FACULTY OF STATISTICS

### **Intra-Collegiate Competition**

**Event:** Stats Rangoli

**Date:** 30th September 2024

**Time:** 10:40am to 12:40pm

**Venue:** Karunya Court, LFDC

**Participants:** 20

The Faculty of Statistics, Department of Physical Sciences conducted the Intra Collegiate Competition “Rangoli” on 30<sup>th</sup> September, 2024 at 10.40AM on Statistics Concepts. The Competition was conducted for all the streams of students of first, second and final year. The aim of the program was to express students’ artistic abilities and creativity through the medium of Rangoli, enhancing their artistic skills.

20 students from all streams participated in this Event with joy and zeal. Rangoli patterns are a creative way to discover symmetry, reflection, and tessellation.



Students participating in the Stats Rangoli competitions



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## FACULTY OF MATHEMATICS

### **Intra-Collegiate Competition**

**Event:** Math Tambola

**Date:** 30th September 2024

**Time:** 10:00 AM-11:40 AM

**Venue:** Room no I 21

**Topic:** Mathematical symbols

**Participants:** 15 teams

The Faculty of Mathematics conducted MATH TAMBOLA as a part of Intra competitions on 30th September 2024. This Event is organized to enhance the ability of logical thinking and time management. The students from different groups participated and showcased their skills. Logical questions were asked, students had to solve the questions and the answers had to be marked in their house tickets. The students who complete the house first will be the winners.

The winners are

First Position: -Tansi Sabinkar BSC MSDS I year

Second position: P. Sai Shravani BA (Psychology) I year

Third Position: Asher Frank B SC MPCS I year



Students participating in Math Tambola as a part of Intra-Collegiate Competitions



Students trying to find the clues for the given questions in the competition



Student giving the ticket after completing the house in the competition



Results eagerly waiting for the results



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## FACULTY OF STATISTICS

### **Intra-Collegiate Competition**

**Event:** Scientists & their Inventions

**Date:** 30th September 2024

**Time:** 10:40am to 11:40am

**Venue:** Room no P 25

**Participants:** 23

The Faculty of Physics & Electronics, Department of Physical Sciences, has organized an intra-collegiate competition on 'Scientists & Their Inventions' on 30.09.24 in Room No. P25 from 10.40 a.m. to 11.40 a.m. The Event was organized in two rounds. In the first round, ten questions were asked to assess their understanding of the scientist when an invention was presented. The second round consisted of ten questions in which the complete names of popular scientific institutions were asked. Students eagerly engaged in the competition, learning about numerous technologies, scientists, and well-known scientific organizations. Mr. Asher Frank of I BSC MPCS bagged first prize. Second prize was bagged by Mr. S. Nikhil of III BSC MPCS, third prize was awarded to Ms. Nandini of III BSC MECS & Ms. Akanksha of III BSC MPCS.



Ms. Naga Lakshmi, Coordinator, Faculty of Electronics, displaying the images on the screen



Students answering the quiz



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## FACULTY OF ELECTRONICS AND PHYSICS WORLD SCIENCE DAY CELEBRATIONS

**Event:** Seminar on 'Why Science Matters'

**Date:** 11th November 2024

**Time:** 10:40 Am-12:40 P

**Participants:** 97

World Science Day was celebrated by the Faculty of Electronics, Department of Physical Sciences on 11.11.2024. The resource person for the Event was Dr. Chatushya, CEO, Manna Biotech Pvt. Limited. The objective of the Event was to raise awareness among the students in understanding the role of science in creating peaceful and sustainable societies. The theme of World Science Day 2024 is 'Why Science Matters - Engaging Minds and Empowering Future'. Dr. Chatushya in her talk explained that everything around them is science and students need to keenly observe and understand it. She also urged students to be job creators rather than job seekers. Students actively participated in the Event.

	
Ms. Sathvika of III BSC MECS introducing the guest speaker	Dr. Chatushya delivering the speech
	
Students attentively listening to the speaker	Felicitation of Dr. Chatushya by Principal Ms. Jayanthi Reddy



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## FACULTY OF MATHEMATICS

### **Two-week online Refresher course on Computational Fluid Dynamics Basics and case studies**

**Event:** Two-week online Refresher course on Computational Fluid Dynamics basics and case studies

**Date:** 9th - 23rd December 2024

**Venue:** Online Mode

**Participants:** 03

Mr. M. Prashanth, Ms. T. Swapna, Mr. V. Naveen Kumar from the faculty of Mathematics, Department of physical Sciences attended a two-Week online refresher course on “Computational fluid dynamics- basics and case studies” which was organized by the JNTUH-UGC-Malaviya mission teacher training centre. Hyderabad, Telangana from 9<sup>th</sup> to 23<sup>rd</sup> December, 2024 with two sessions from 10:00am to 1:15 pm forenoon and 2.00pm to 5.15pm afternoon session. The main objective of the course was to improve the quality of teaching and empower faculty members through training, induction, refresher and short-term programs and to ensure their continuous professional development in Fluid dynamics. A schedule was given to the registered Participants along with a link to join for the sessions for the course. Each day two sessions were conducted by highly distinguished resource persons, which included numerical simulations related to the problems and experimental investigations on the flow field in the PEM fuel cell, cybersecurity awareness, Applications of Aerospace and strategies for the simulations, and after completing the session, an assignment was given to each participant with a feedback link and duration to submit the assignment.

On the final day of the course an exam was conducted with a duration of 60 min for the Participants, and after evaluation of marks and assignments which were submitted by the Participants, the course completion certificates were issued.



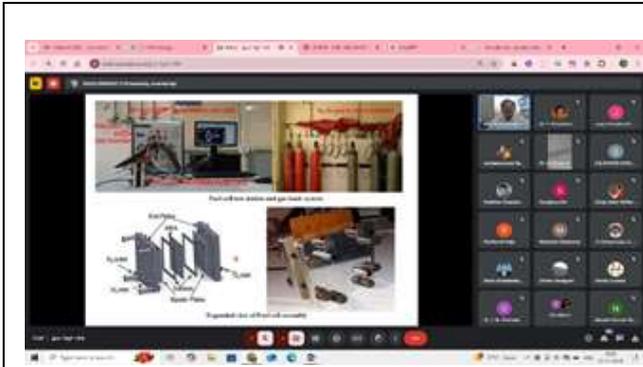
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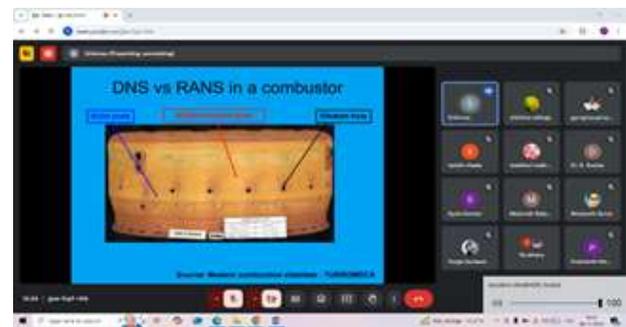
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Prof. Naga Srinivas, NIT Warangal, explaining about the numerical simulations related to the problems and experimental investigations on the flow field in the PEM fuel cell.



Prof. Sreenivasa Rao, JNTUH, explaining the transient Realm by FD approaches in CFD for unsteady flow problems



I.L. Narasimha Rao, Cyber security speaker, giving a session on Cyber Security Awareness”



Dr. Rajkiran Grandhi Scientist-G, DRDO, explaining about the Applications of Aerospace and strategies for simulations and also the case studies in controlling RCS jet in a supersonic cross flow



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## FACULTY OF COMPUTER SCIENCE

### **FDP on Innovation in ML, AI, DS & Modelling**

**Event:** FDP ON INNOVATION IN ML, AI, DS & Modelling (IMLAIDSM'24)

**Date:** 16th December 2024 to 23rd December 2024

**Venue:** Hybrid Mode

The faculty of the Department of Physical Sciences attended a Faculty Development Program from 16th December 2024 to 23rd December 2024 on "Innovations in Machine Learning, Artificial Intelligence,

Data Science, and Modelling (IMLAIDSM'24) in hybrid mode organised by VIGNAN'S Foundation for Science, Technology, and Research under the aegis of Electronics & ICT Academy, IIT Roorkee. Ms T. Nagalakshmi, Ms Shajahan Begum, Ms A. Bhavani, Ms P. Bhavani, and Ms A. Alekhya attended the FDP. The objective of this Faculty Development Program (FDP) on "Innovations in Machine Learning, Artificial Intelligence, Data Science, and Modelling" is to equip educators, researchers, and professionals with the latest advancements and practical knowledge in these cutting-edge fields. The FDP was a great learning experience for the faculty, as it included talks along with hands-on sessions.

Conference Code : EICTIITR-FDP-24-13

ABET Accreditation Board for Engineering and Technology

VIGNAN'S FOUNDATION FOR SCIENCE, TECHNOLOGY & RESEARCH

NAAC A+ GRADE

NIPTE 72

eict Under the aegis of Electronics & ICT Academy, IIT Roorkee

A Faculty Development Program on

**Innovations in Machine Learning, Artificial Intelligence, Data Science and Modelling (IMLAIDSM'24)**

16 - 23 December 2024

Supported by

Ministry of Electronics and Information Technology

Earn prestigious certificates from E&ICT Academy, IIT Roorkee!

Hybrid Mode

Organised by : Department of Mathematics & Statistics  
In collaboration with : Department of Electronics and Communication Engineering



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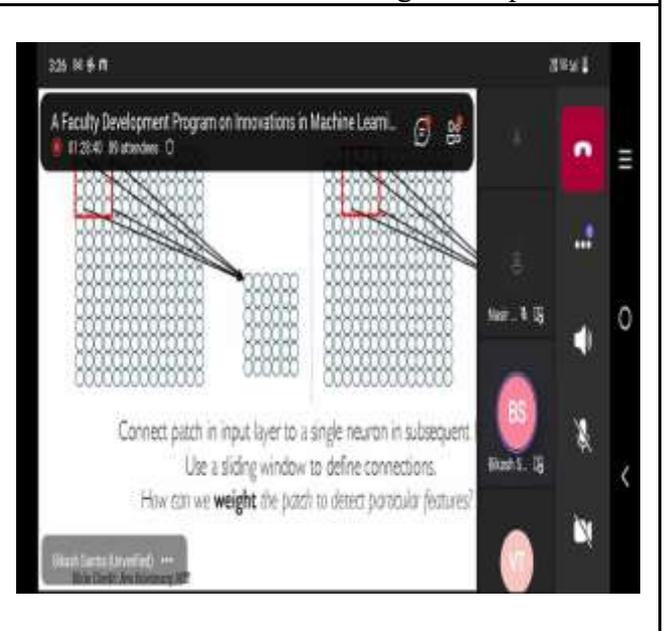
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Inaugural session of IMLAIDSM'24



Prof. Samarjit Kar, NIT Durgapur explaining about Machine Learning techniques





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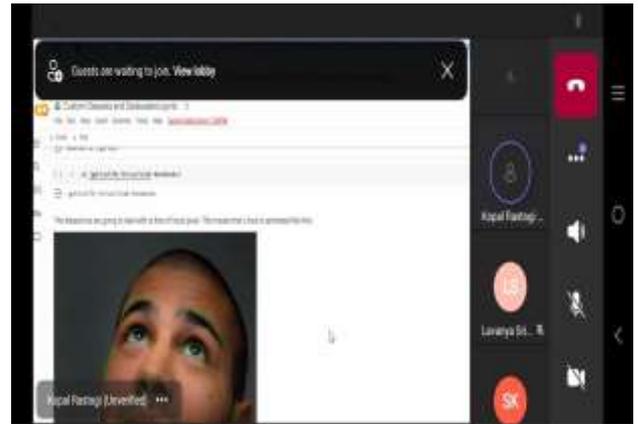
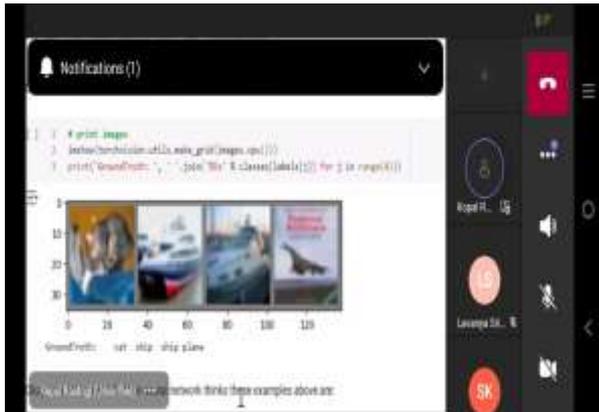
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Prof. Bhuvanesh Unhelkar speaking on Cybersecurity challenges and approach to AI-enabled applications.

Dr. Bikash Santra, School of AI and Data Science, IIT Jodhpur presenting various techniques in Recent advances in medical image analysis



Ms. Kopal Rastogi, IIT Jodhpur - Hands-on Practice Session on Neural Networks



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## FACULTY OF COMPUTER SCIENCE **FDP IN DISTANCE EDUCATION**

**Event:** FDP IN DISTANCE EDUCATION

**Date:** 18th December 2024 to 24th December 2024

**Venue:** Online Mode

**Participants:** 01

A faculty development program from 18th December 2024 to 24th December 2024 on “Innovative Practices, Learning Resources, and Academic Leadership in Distance and Online Education: A Faculty Development Journey” in hybrid mode was organised by Suresh Gyan Vihar University, Jaipur, Rajasthan. Mr. P. Vijay Bhaskar, Faculty of Computer Science, Department of Physical Sciences, has attended the FDP. The objective of the Faculty Development Program (FDP) is to equip educators with innovative teaching methods and technologies in distance education. The FDP was a great learning experience to enhance skills in curriculum design and content delivery in distance learning.

**Topic-**  
“Innovative Practices, Learning Resources and Academic Leadership in Distance and online Education: A Faculty Development Journey”

“Innovative practices, enriched learning resources, and transformative academic leadership are pillars of distance education's evolution. Faculty development fosters these elements by equipping educators with cutting-edge tools, inclusive pedagogy, and adaptive strategies. Through collaboration, technology integration, and lifelong learning, educators enhance accessibility, engagement, and excellence in teaching, shaping the future of global distance learning.”

**Dec 18th - 24th, 2024**  
3.30 pm to 4.30 pm

**Smart Class Room, Sadavrat SGVU**

**Registration**  
**Registration has to be done only through SGVU. Please visit**  
[https://docs.google.com/forms/d/e/1FAIpQL5cnsFvVaVGeH2wCojBISNw\\_jpg287bFLCgImEiUQ2setz4I5A/viewform?usp=header](https://docs.google.com/forms/d/e/1FAIpQL5cnsFvVaVGeH2wCojBISNw_jpg287bFLCgImEiUQ2setz4I5A/viewform?usp=header)

**Google Meet link**  
<https://meet.google.com/fgp-uuv-pod>

1. Recent Developments in the areas of retail, service, quality, industrial and core marketing.
2. Role of healthcare professional in catering various services to patients and hospitals.
3. Role of AI and machine learning in the development of course content and delivery mechanism.
4. Developments in the field of Human Resource Management for preparing 'Action Ready' HR work force.
5. Forms of Automation, self-reliance, service operations, etc. to cater the national and international customers.
6. Development, arrangement, deployment, recovery and application of finances in 21st century.

**Resource Person**  
Prof. P. K. Sharma  
Former Director, VMOU Kota  
Over 30 years experience in distance education.

**Faculty Development Program in Distance Education**

**SURESH GYAN VIHAR UNIVERSITY**  
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## Guidelines to Participants

- Registration is mandatory.
- No registration fee for participants.
- Online link is available.

## Platform

The entire programme will be conducted through HYBRID (online and offline) mode. The online platform link is above mentioned.

## Certificate

E-certificate will be provided by CDOE,SGVU through link after successful completion of FDP. Minimum 80% attendance at the end of the program is required to earn certificate.

## Patron

**Dr. Arunansu Haldar**  
President (Vice Chancellor)

## Co Patrons

**Prof. (Dr.) Ritu Gilhotra, Pro President**  
**Shri Madhusudan Sharma (Retd. IAS), Registrar SGVU**  
**Dr. Nagendra Kumar Swarnkar**  
Dean Academics

## Program Organiser

**Prof. (Dr.) T. K. Jain**  
Director, CDOE

 [sgvude@mygyanvihar.com](mailto:sgvude@mygyanvihar.com)

## Objectives

1. To introduce faculty to innovative teaching methods and technologies for distance education.
2. To provide insights into the latest trends in online learning and learner engagement.
3. To strengthen the academic leadership capacities of faculty in the field of distance education.
4. To enhance skills in curriculum design, content delivery, and assessment in distance learning.

## Program Convener

**Pooja Solanki,**  
Assistant Professor, CDOE

## Program Co Convener

**Vijay Kumar**  
Assistant Professor, CDOE

## Program Organising Committee

**Priya Pareek**  
Assistant Professor, CDOE  
**Hemlata Dharendra**  
Assistant Professor, CDOE  
**Nirmala Parewa,**  
Assistant Professor, CDOE

\* Sunday will be off.





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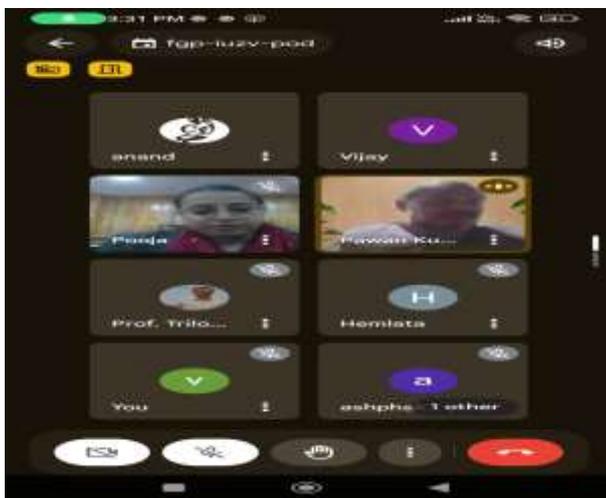
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Inaugural session



Prof. Pawan Kumar explaining about the importance of Distance Learning



Prof. Pooja Solanki explaining about the trends in Online learning.



Dr. Trilok Kumar explaining about academic leadership capacities of faculty in distance learning.



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## FACULTY OF MATHEMATICS

### **National Mathematics Day Celebrations**

**Event:** National Mathematics Day Celebrations

**Date:** 19th Dec 2024

**Venue:** Montfort Hall

**Participants:** 60

The Faculty of Mathematics, Department of Physical Sciences, organised a **memory grid competition** and a **seminar** on **National Mathematics Day** (December 19-20, 2024) to celebrate the **137th birth anniversary of Srinivasa Ramanujan**. The Event aimed to enhance logical thinking, mathematical applications, and time management skills. The competition, held for **B.Sc. second and final-year students**, involved memorising and recalling math symbols in a **4x4 grid** within a minute. Top scorers advanced to an **aptitude test**, and winners received prizes. On the second day, a seminar on **“The Impact of Mathematical History—2030 Vision”** was delivered by **Dr. Shankar Rao Munjam** (Instructor of Mathematics, University of the Peoples, USA). He discussed the **history, significance of equations, and real-life applications of mathematics**, encouraging students to pursue research in the field.



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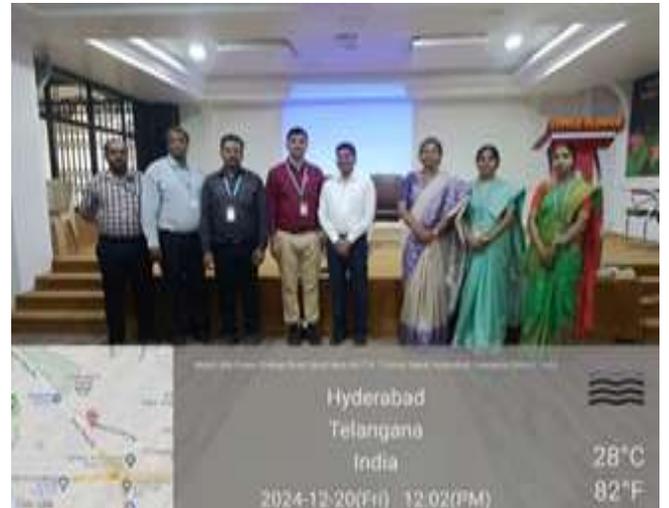
Dr. Shankar Rao Munjam, Department of Basic Sciences, University of the Peoples, Pasadena, California, USA, explaining about the Applications of Computational Fluid Dynamics



Dr. Shankar Rao Munjam, Department of Basic Sciences, University of the Peoples, Pasadena, California, USA, explaining about the Applications of CFD in the seminar



Dr. Shankar Rao Munjam, Resource person for the seminar presenting the memento and Certificate of merit to Mr. Manikanth, MSCS II for standing first in the Memory Grid competition



The Department of physical sciences having a photo session with Dr. Shankar Rao Munjam, along with Ms. P. Jayanthi Reddy, Principal, LFDC.



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## FACULTY OF STATISTICS

### **International Conference on Advanced Data Analytics and Statistics**

**Event:** International Conference on Advanced Data Analytics and Statistics  
(ICADAS-2025)

**Date:** 23rd & 25th January 2025

**Venue:** Online Mode

**Participants:** Three students of MSC(Statistics)-II

The conference participation exposes students to global research trends and provides possibilities for networking. Ms. M. Shravya, Ms. V. Rajashree, Ms. K. Manasa from II yr MSC statistics participated and presented paper at the International Conference on Advanced Data Analytics and Statistics (ICADAS-2025), which took place from January 23rd to 25th, 2025, at Vimala College (Autonomous), Thrissur in Kerala. The paper title is "Prevalence of Anaemia among Women in Telangana: A Study of Socioeconomic and Geographical Factors Using NFHS-5 Data." Their research focused on the prevalence of anaemia among women in Telangana areas. Their discoveries were significant contributions to the field. Engaging with professionals helped them refine their findings by providing constructive comments while also improving their presentation skills. Overall, the conference participation enriched their academic profile and opened a Venues for future research collaborations.



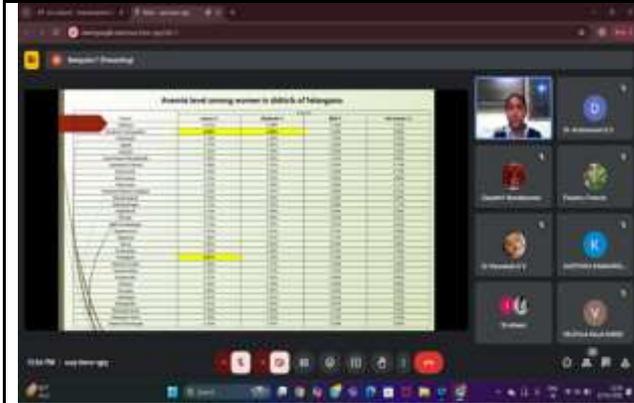
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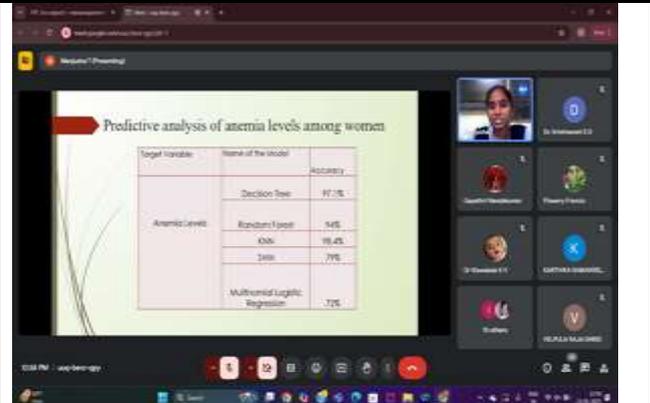
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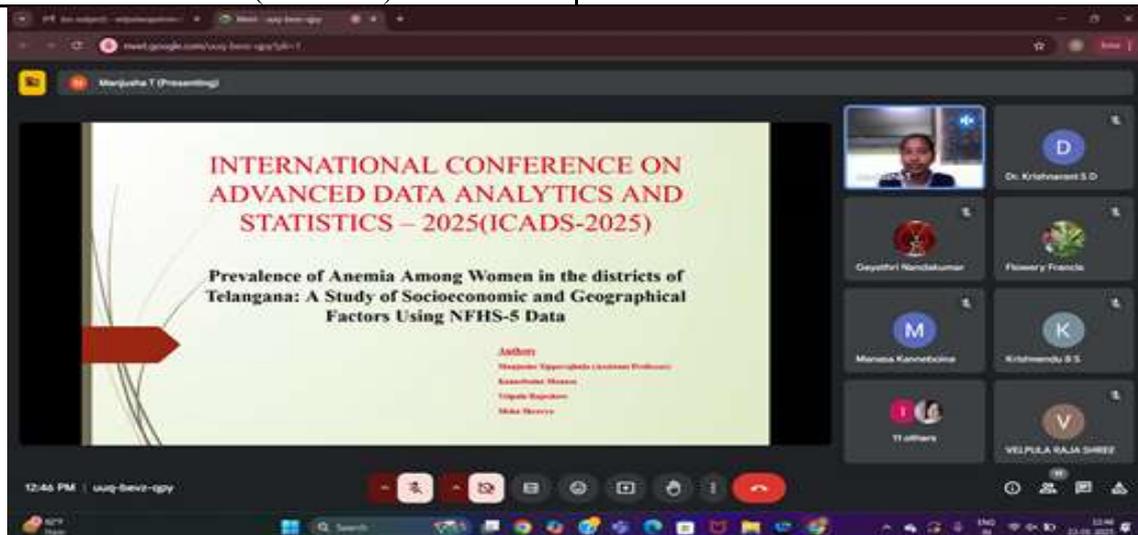
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Ms K. Shravya of MSCS-II is presenting the paper on anaemia levels among women in districts of Telangana at the International Conference (ICADAS).



Ms. Rajashree of MSCS-II presenting predictive analysis of anemia levels among women at International Conference (ICADAS)



Ms Manasa K of MSC-II presenting Introduction of anemia levels among women at International Conference (ICADAS)



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## FACULTY OF COMPUTER SCIENCE

### **NIIT Skill Development course**

**Duration:** 25th January 2025 – 28th February 2025

**Conducted by:** NIIT

**Participants:** 99

**Venue:** G-Meet

The NIIT Skill Development Program organised from 25 Jan,2025 to 28 Feb,2025 for B.SC students aimed to bridge the skill gap among fresh graduates and early-career professionals by providing training in both soft skills and technical skills, to enhance professional and technical skills among Participants to better equip them for corporate roles, particularly in Global Service Desk (GSD) environments. The curriculum was tailored to meet the demands of a global working environment and foster job readiness.

#### **Program Modules Covered**

- **Professional Skills Development:** Body Language, General Communication, Communication through Phone, Email Communication.
- **Ownership & Accountability**
- **Introduction to Global Service Desk (GSD)**
- **Technical Skills Development:** *Excel – Introduction and Graphs*

This program enhanced communication and presentation skills, improved confidence in handling workplace communication, ability to draft professional emails and manage Excel-based tasks, readiness for entry-level roles in service desks and customer service. The NIIT Skill Development Program from 25th Jan to 28th Feb 2025 successfully empowered Participants with vital soft skills and technical know-how. The sessions were interactive, practical, and industry-aligned, ensuring that learners were better equipped for real-world challenges, especially in a global IT support context.



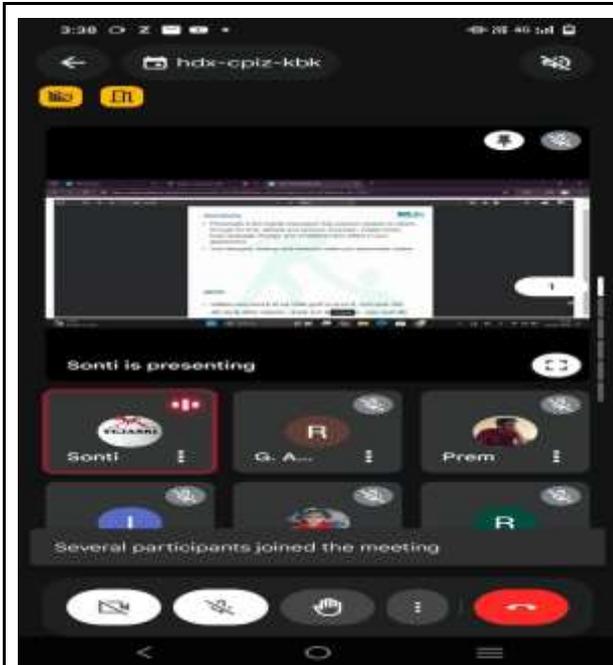
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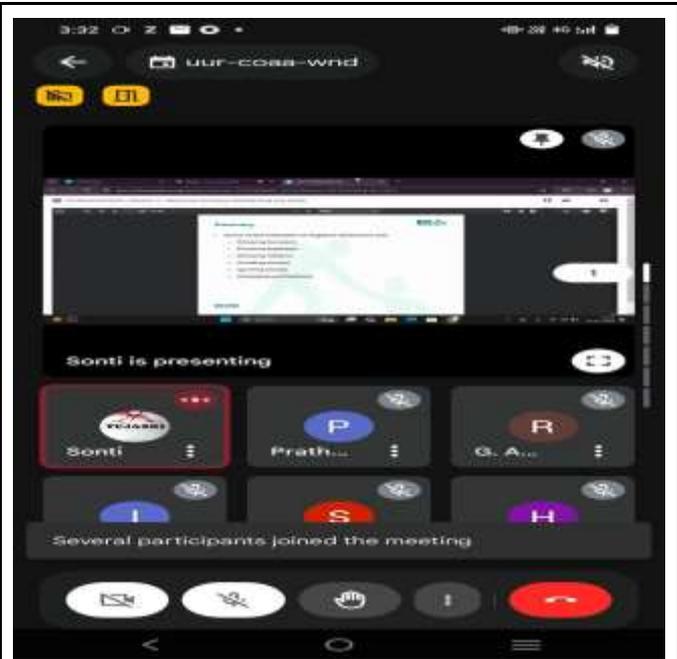
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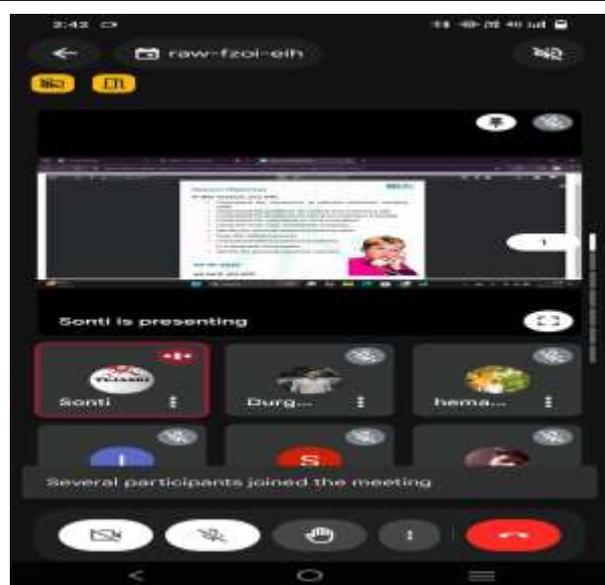
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Sonti explaining about Body Language for students



A session on Behavioural skills



Communication Skills- Handling the phone



Mr. Mayank explaining about Guided Learning- Life Skills



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## FACULTY OF COMPUTER SCIENCE

### **Seminar on Growing relevance in various industries**

**Event:** Seminar on Growing relevance in various industries

**Date:** 30th January, 2025

**Venue:** Montfort Hall, LFDC

**Topic:** Growing relevance in various industries – Data Science

The management of Little Flower, as a memorandum of understanding with DEED Trust, has organised a certificate course sponsored by Hinduja Global Solutions (HGS) and the NASSCOM Foundation, Skills for Her (Data Science & Analytics). This initiative aimed to enhance the skill set of economically weaker section students below 8 lakh income, equipping them with industry-relevant knowledge and practical expertise to improve their employability.

The primary objective of the course was to bridge the gap between academic learning and industry requirements. The program provided students with hands-on training, exposure to the latest technologies, and skill development opportunities to prepare them for future career prospects.

Ms. Anshu, managers from the NASSCOM foundation, and Ms. Humera, project manager at HGS, visited the college and interacted with students. They explained the importance of data science, highlighting its growing relevance in various industries and the career opportunities available in the field.



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Mr. George, CEO, DEED Trust, interacting with students about course



Ms. Anshu, Senior Manager, NASSCOM Foundation interacting with students



Ms. Humera, Project Manager, explaining the importance of Data Science



Group photo with students, NASSCOM foundation & HGS team



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## FACULTY OF COMPUTER SCIENCE ABACUS The National Level IT Quiz

**Event:** ABACUS The National Level IT Quiz

**Date:** 1st February, 2025

**Venue:** Badruka College for Information Technology, Kachiguda, Hyderabad.

**Topic:** DBMS, HTML, C, Mobile Application, Java, Computer Fundamentals and Python

On February 1, 2025, Ch. Shiva Kumar and N. Likith of II B.SC MSDS, Department of Physical Sciences took part in the annual IT quiz held at Badruka College for Information Technology in Kachiguda, Hyderabad.

The Annual IT Quiz held at Badruka College for Information Technology provided an exciting and intellectually stimulating platform for students to showcase their knowledge and skills in various domains of Information Technology (IT). The quiz competition covered an array of topics, including HTML, Java, computer fundamentals, mobile fundamentals, Python, and C language. This Event aimed to encourage students to deepen their understanding of core IT concepts and keep up-to-date with the latest technological advancements.

The Quiz was designed to test students' knowledge, problem-solving abilities, and quick thinking under time constraints. It was an engaging way for students to demonstrate their theoretical and practical knowledge in various areas of IT.

Students enthusiastically participated and performed well in the first and second rounds. And they received participation certificates after clearing two rounds.



Students at the Annual IT Quiz in Badruka College for Information Technology



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Participation Certificates



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## Intercollegiate Competition: Crossword Puzzle and CPU Assembling

**EVENT: Intercollegiate Competition: Crossword Puzzle and CPU Assembling**

**DATE: 4th Feb, 2025**

**VENUE: LFDC**

The Faculty of Computer Science, Department of Physical Sciences, has organised CPU Assembling Competition as a part of intercollegiate competitions on 04-Feb-2025 at 11:00 AM. CPU assembling competitions offer numerous advantages by providing a hands-on learning experience that enhances Participants' technical expertise and problem-solving skills. To assess and enhance Participants' technical knowledge and hands-on skills in assembling, troubleshooting, and optimizing computer hardware components within a specified timeframe. Overall, CPU assembling competitions played a crucial role in bridging the gap between theoretical knowledge and real-world technical expertise. Students from various academic streams participated, fostering interdisciplinary learning and collaboration.



Students assembling the CPU



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## CROSSWORD PUZZLE REPORT

The Alan Turing Club organised a crossword puzzle as a part of Inter Collegiate Competition on 4th FEB 2025. Students participated very actively and enthusiastically to solve the crossword puzzle. The cross-word puzzle was organized with the aim of promoting knowledge enrichment and providing a platform for students to showcase their intellectual abilities in a competitive yet fun environment. Questions were given from math, computers, physics, statistics and Electronics.

The winners of crossword puzzle are:

A. Vinuthna	III MPCS(LFDC)	Position I
Sai Shrestha	III MSCS(LFDC)	Position II
V. Bhavani	III MPCS (LFDC)	Position III



Students actively participating in crossword puzzle



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## FACULTY OF STATISTICS

### **Field visit to NSO stall, Industrial exhibition, Nampally**

**Event: Field visit: NSO stall, Industrial exhibition, Nampally**

**Date:** 6th February 2025

**Venue:** Exhibition Grounds Nampally

**Participants:** 04

The 84th All India Industrial Exhibition at Nampally, Hyderabad, hosted an NSO stall that was visited by the Faculty of Statistics, Department of Physical Sciences, on 6<sup>th</sup> Feb 2025. Ms. N. Dhvani, Faculty of Statistics along with three final-year BSC (MSCS) students (Ms. Sai Nikhila, MS. Varsha and MS. Devisree, then visited the NSO stall in Numaish. Understanding the significance of statistics in NSO is the goal of this visit. The National Statistical Office is referred to as NSO. By conducting extensive surveys and analyses, including national accounts and state-level economic data, NSO serves as the nodal agency for upholding statistical standards, coordinating statistical work across government departments, and making statistical information available to policymakers. This Visit provided insightful information on the programmes, offerings, and services of the corresponding organisations.



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Students participated in a crossword puzzle competition and won prizes



Students participated in Crossword puzzle competition and won prizes



Ms N. Dhvani at the NSO stall in Numaish, Nampally



Ms. Dhvani along with students at the NSO stall in Numaish, Nampally



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## FACULTY OF COMPUTER SCIENCE

### **Seminar on Resume Building - skills for Her**

**Event:** Seminar on Resume Building on skills for Her

**Date:** 14th February, 2025

**Venue:** Montfort Hall, LFDC

**Topic:** Resume Building—Skills for Her

LFDC in collaboration with DEED Trust, organized a Resume Building Session sponsored by Hinduja Global Solutions (HGS) and the NASSCOM Foundation-"Skills for Her" (Data Science & Analytics) on February 14, 2025 at Montfort Hall. Mr. Mahendra, Senior Manager, NASSCOM Team, took a session on Women Entrepreneurship and Emerging Technologies and how NGOs help in the empowerment of the students.

Four HGS employees conducted the resume-building class. Mr. Sameer addressed the importance of resumes and how they affect interviews, as well as resume design, rules, and formatting, and provided several examples. The students are then divided into four groups, with each group assigned an HGS Team member to answer any questions and explain the methods and rules required to create a thorough resume. A number of students took the stage to talk about the workshop, resume format, and the value of resumes for their future.



Mr. Sameer taking session on resume building



student sharing her thoughts on resume building



HGS team member clarifying doubts and giving suggestion to students



Group photo with students HGS, NASSCOM Team members



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## DEPARTMENT OF PHYSICAL SCIENCES 2K MARATHON RUN ON SAFE INTERNET DAY

**Event:** 2K MARATHON RUN ON SAFE INTERNET DAY

**Date:** 15th Feb. 2025

**Topic:** Safer Internet Day

**Venue:** LFDC-Stadium Road-Ramanthapur Circle-LFDC

**Time:** 6:00 AM to 7:30 AM

### AIM OF 2K MARATHON ON SAFE INTERNET DAY

To educate young adults about online risks, including cyberbullying, malware, phishing, and inappropriate content, while promoting practices to protect personal information and identify online threats.

#### **Significance:**

Safer Internet Day emphasises digital safety, privacy, and responsibility. It also highlights the importance of protecting personal data from cyber threats like fraud and recognising misinformation.

The day encourages secure online transactions, ethical digital interactions, and cyber hygiene practices.

#### **Objectives:**

1. To highlight the importance of balancing screentime with physical activities
2. To bring people together for a social and educational Event
3. Encourage Participants to pledge for a safer and more inclusive environment

The Department of Physical Sciences has organised a 2K Run Marathon Event on February 15, 2024, at 6 AM. This run was arranged to recognise the significance of 'Safer Internet Day'. This run emphasises the need of taking collaborative action to create a safe, inclusive, and empowered internet community for all. The program was launched by Correspondent Rev. Bro. Arun Prakash. In his message, Brother emphasised the necessity of living a healthier lifestyle and utilising the internet safely. Students actively participated in the Event, and the winners received cash prizes from Director Rev. Bro. John Kallarackal and Principal Mrs. P. Jayanthi Reddy. The program concluded with the national anthem.



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The Winners of the Event:

S. NO	Name of the student	Class	Name of Institution	Position
1	Laxmikanth	II B.sc MECS	LFDC	I
2	Burra Vaishnavi	1 BCA	(St. Pious x Degree College, Nacharam)	I
3	Aryan Paswan	II B.sc MECS	LFDC	II
4	S. Sthuthi Keerthana	X	Little Flower School	II
5	Shiva Kumar	II B. A	LFDC	III



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Uppal, Hyderabad

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Students in the warm-up Session



Rev. Bro. Arun Prakash, correspondent, declaring the RUN OPEN



Photograph with Law & order and Traffic Police



Rev. Bro. John Kallarackal, Director and Ms. P. Jayanthi Reddy, Principal, awarding the student



Cheerful Faces of the Organising Team



Group Photograph



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## DEPARTMENT OF PHYSICAL SCIENCES **FDP on Research and Write with AI Assistance**

**Event:** FDP on Research and Write with AI Assistance

**Date:** 17<sup>th</sup> – 21<sup>st</sup>, Feb 2025

**Venue:** Online Mode

A Five-day faculty development programme was organised by Institute of Public Enterprise from 17<sup>th</sup> -21<sup>st</sup> February, 2025 in online mode from 8 pm – 9 pm. The main objective of the FDP is to enhance research capabilities by utilizing AI tools for literature survey, data analysis, thesis writing, ethical research practices, and effective dissemination through high quality publications and presentations. Mr. Vijay, Head, Department of Physical Sciences, Mr. Prashanth, Ms. Swapna, Mr. Naveen from the faculty Mathematics, Ms. Dhvani & Ms. Manjusha from the faculty of Statistics, Ms. Naga Lakshmi, Faculty of Electronics has attended the FDP. This FDP has introduced the faculty to the various AI tools which will be helpful starting from selection of a Research topic to thesis writing. This FDP helped faculty to understand how AI is helpful in all aspects of research.

**ONLINE**  
Feb 17 – 21, 2025  
8 PM to 9 PM, Daily

**Institute of Public Enterprise (IPE), Hyderabad**  
organizes

**Free Registration**

**One-Week FDP**  
on  
**Research and Write with AI Assistance**

This FDP is a Pre-Conference Research Accelerator Program of **IPE Annual Finance Conference** scheduled during April 28 & 29, 2025.

**What you Learn**

- Idea Generation and Sourcing Literature with AI Tools
- Literature Review with AI Assistance
- Research Design with AI Tools
- Data Interpretation with AI Assistance
- Finalizing the Manuscript with AI Assistance

**IPPE ANNUAL FINANCE CONFERENCE**  
APRIL 28 & 29, 2025  
[Hybrid Mode]

**Full Paper Submission Deadline :**  
**March 31, 2025**  
(Date will not be extended)

**Publication Opportunity**

- Indian Journal of Corporate Governance (SCOPUS)
- The Journal of Institute of Public Enterprise (UGC Care)
- The Journal of Management (UGC Care)
- Edited Books with ISBN Number

**ENROLL NOW (FREE REGISTRATION)**

Dr P Kalyani  
9885463506

**Click to Register**



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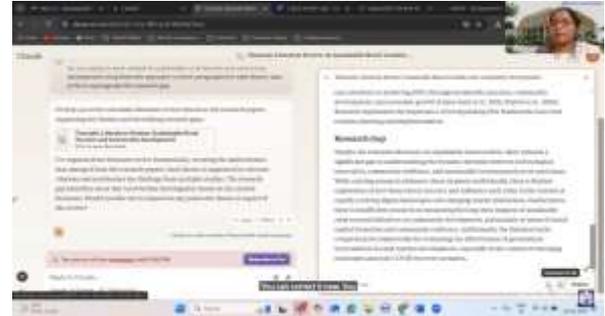
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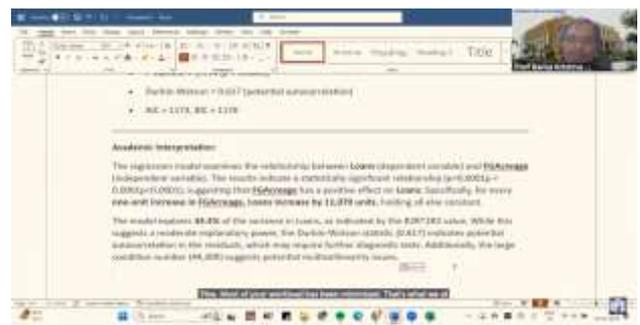
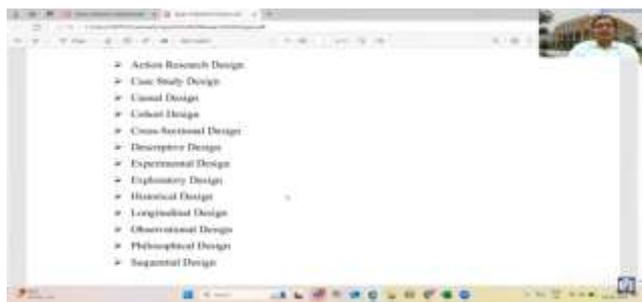
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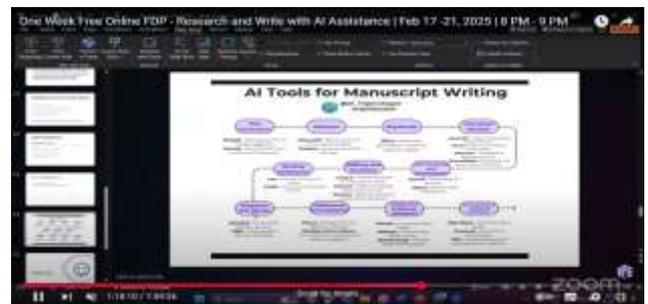
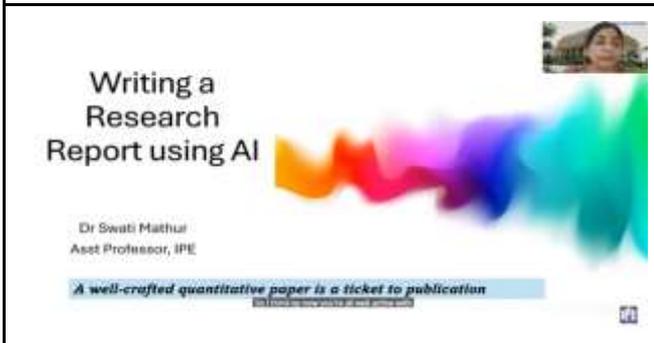
Prof. Y. Ramakrishna, IPE, explaining about the framework, Literature review, Methodology and analysis involved in publishing the paper.

Dr. Kalyani explains about the various approaches to writing literature reviews, including chronological, thematic, methodological, and construct-based methods.



Prof. Rama Krishna discussed various AI tools for literature review that help researchers identify relevant studies, prevailing trends, and research gaps.

Prof. Rama Krishna discussed various AI applications capable of processing complex datasets, facilitating accurate interpretation and visualisation without necessitating advanced statistical expertise.



Dr. Swati Mathur, IPE, explaining how to write a research report by using AI tools and how to use Journal Finder to locate the appropriate journal.

Dr. Swati Mathur, IPE, explained about the kind of abstract that should be selected in accordance with the research study. She also gave an example of how to use Journal Finder to locate the appropriate journal.



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## FACULTY OF PHYSICS

### **Project Expo and Showcase of Projects with Verbal Presentations**

**Event:** Project Expo and Showcase of Projects with Verbal Presentations

**Date:** 28th, Feb 2025

**Venue:** Badruka College for Information Technology

**Participants:** 04

Electroverse 2025, the prestigious inter-collegiate project competition, was held at Badruka College for Information Technology on National Science Day, bringing together students, faculty, and industry experts to celebrate innovation and creativity. The competition's theme, **Application-Based Working Model**, encouraged Participants to showcase practical, real-world solutions that leverage technology to solve existing challenges.

The Event featured a **Project Expo** where Guru Charan and Bhavani from BSC MPCS III Presented a Project named Visitors counter and B. Shiva Kumar and Rahul from BSC MPCS II presented gas sensor project, followed by **presentations** where they explained the intricacies of their projects to an audience of peers, mentors, and judges. **Gurucharan and Bhavani from BSC MPCS III secured Best Project Award**

This expo provided a platform for students to demonstrate their technical skills, creativity, and ability to develop projects that have practical applications. The teams that participated in Electroverse 2025 left with new knowledge, greater confidence, and the inspiration to continue exploring and developing their ideas further.





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Guru Charan and Bhavani from III BSC  
MPCS Presented Visitors counter



Group Photograph

Rahul and B. Shiva Kumar from II BSC  
MPCS presented the gas sensor.



Ms. Bhavani and Mr. Guru Charan receiving  
Best Project Award



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## FACULTY OF STATISTICS

### Visit to Survey of India

**Event:** Visit to Survey of India on the occasion of National Science Day

**Date:** 28th Feb 2025

**Venue:** SURVEY OF INDIA, UPPAL

**Time:** 01:50 PM

**Participants:** BSC PHYSICAL SCIENCE STUDENTS (23)

On February 28, 2025, the Faculty of Statistics organised a field trip for BSc Physical Sciences students to the Survey of India on National Science Day. The trip aimed to provide practical exposure to theoretical concepts and demonstrate the role of statistics in surveying and mapping. The visit began at 1:50 PM, with students receiving an overview of the organisation's objectives, including topological control, mapping, and printing. They observed surveying techniques, data collection, and the application of statistical methods in map-making. Students gained insights into the creation of political and physical maps, from data acquisition to cartographic design and printing. This hands-on experience bridged the gap between theory and practice, deepening students' understanding of statistics in geographical data analysis and visualisation.





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## FACULTY OF STATISTICS

### **International conference on Innovative and Emerging Technologies for Sustainability 2025**

**Event:** International conference on Innovative and Emerging Technologies for Sustainability 2025

**Date:** 7th March 2025

**Time:** 9:00 AM-04:00 PM

**Venue:** St. Francis College (Autonomous), Begumpet, Hyderabad

**Participants:** B. Sc (MSCs & MSDs)-III & BSC (Bt.M.C.)-II

Seven students from BSc (MSCs & MSDs)-III and BSc (Bt.M.C)-II participated in the International Conference on Innovative and Emerging Technologies for Sustainability 2025 (ICIETS) at St. Francis College, Hyderabad, on March 7, 2025 under the guidance of T. Manjusha, they presented research on women and children's health, showcasing innovative methodologies.

**Shreshta and Vamshi** presented a paper titled "Evaluating the Impact of Socioeconomic Determinants on Child Weight in Telangana: A Machine Learning Approach utilizing NFHS-5 Data."

**Anshika and Yashaswi** presented a paper titled "Evaluating the effect of haemoglobin and low Blood glucose levels on anaemia among women in Telangana: a machine learning approach using NFHS-5 data."

**Shravani R, Nishitha T, and Sneha K.** presented a paper titled "Unveiling the Hidden Influences: Predicting amenorrhoea in Indian women using NFHS-5."

Their work was well-received, and Shresta and Vamshi won the **Best Paper Award**, recognising their dedication and research quality. Their achievement brought pride to Little Flower Degree College, inspiring peers to engage in research and academic excellence.



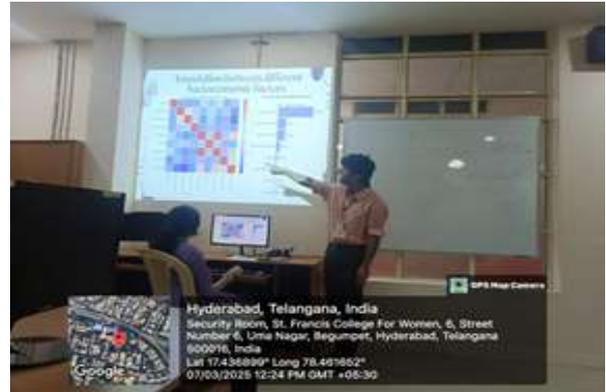
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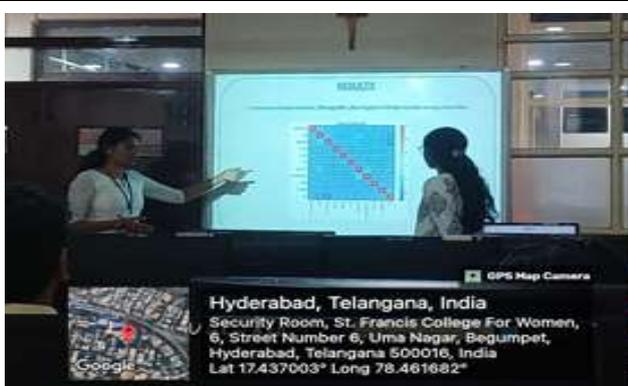
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Shresta and Vamshi presenting the paper at International Conference on child malnutrition



Anshika and Yashaswi presented paper at International Conference on Women anemia



Students of Bt.B.C.-II presented paper at International Conference on women's amenorrhea



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## FACULTY OF COMPUTER SCIENCE Certificate course on Digital 101 Journey

**Event:** Certificate course

**Date:** March 2025

**Topic:** Digital 101 Journey (Foundation skills for Youth)

**Venue:** Montfort Hall, LFDC

**Participants:** 246

The management of Little Flower as a memorandum of understanding with DEED Trust organised a certificate Course which is sponsored by Innovative Global Solutions and NASSCOM Foundation - i.e., "Digital 101 Journey-Foundation skills for youth. To equip young individuals with essential technological skills, a **Certificate Course for Youth on Technology** has been designed. This course aims to bridge the knowledge gap and prepare youth for future career opportunities in various technological fields. The motto of this course is to provide foundational knowledge of modern technologies, to enhance digital literacy among youth and learn modules on emerging fields such as IoT, Cloud Computing, Innovation & Design Thinking, Overview of artificial thinking, machine learning, deep learning, big data analytics, DBMS for Data Science, Overview of Cybersecurity, Attacks, Barriers to Effective Communication, Problem Solving, and Teamwork Skills. It includes both theoretical and practical sessions to ensure hands-on experience. Total of 246 students benefited through this Course. The course spanned for 30 **hours**. Participants received **Certificate of Completion** upon successfully passing all modules. A total of 200 students benefited from this course. This **Certificate Course for Youth on Technology** serves as a stepping stone for young individuals to explore and excel in the field of technology. By imparting technical knowledge and practical skills, it prepares youth for the digital era and enhances their employability in tech-driven industries.



Ms. Jyothi, DEED Trust explaining importance of Digital Era



Mr. Kaviarasan, the trainer giving guidelines for course completion



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## FACULTY OF COMPUTER SCIENCE

### **Five Day National Level Professional Development Program**

**Event:** Five Days National Level Professional Development Program

**DATE:** 17th to 21st March 2025

**VENUE:** Virtual Mode

**Topic:** "The Future of Research – AI Tools as a Game Changer"

The Department of Physical Sciences, Faculty of Computer Science attended a 5-day national-level professional development programme organised by St. Joseph Degree & PG College in collaboration with Institute of Public Enterprise from 17th to 21st March 2025 in Virtual Mode.

**DAY – 1:** An inauguration session was held between 7:00 PM to 8:00 PM in order to begin PDP and followed by Prof. V. Rama Krishna delivered a session on Introduction to AI in Academic Research, which covered the usage of AI tools such as ChatGPT, Elicit, and Scite for research publication and thesis writing.

**DAY – 2:** Speaker P. Kalyani delivered a session on AI tools in Research Methodology, explaining how to use tools like Paraphraser QuilBot, Consensus, and ScholarGpt to write paper publications, as well as how to use AI tools to check for plagiarism and select journals for research papers. The manuscript should be in the writer's own literature, using tools like ChatGPT and Consensus in Research Methodology.

**DAY – 3:** Dr. Swathi Mathur conducted an engaging session on the "Practical Application of AI Tools in Research," showcasing how AI can streamline data analysis and enhance research efficiency. Her practical demonstrations and real-world examples provided valuable insights for leveraging AI in various research domains.

**DAY – 4:** Prof. Y. Rama Krishna delivered an insightful session on "Crafting Research Proposals and Funding Opportunities," highlighting the key elements of drafting compelling research proposals. He also shared practical tips for identifying and securing funding opportunities, making it an invaluable experience for aspiring researchers.

**DAY – 5:** Dr. Chandra Shekar delivered an informative session on "Academic Research and Article Publications Using AI Tools," emphasizing how AI can assist in literature reviews, data organization, and article publications. His insights highlighted the transformative potential of AI in enhancing the quality and efficiency of academic publishing.



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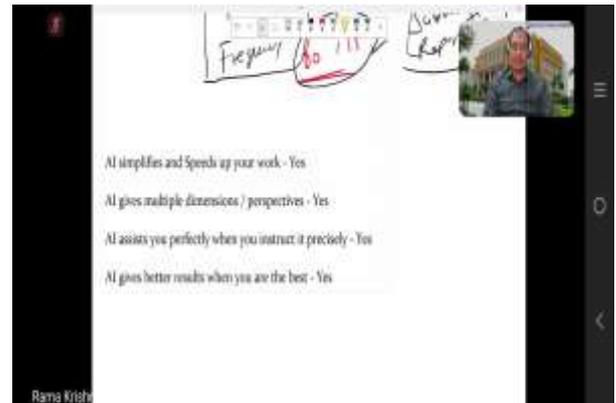
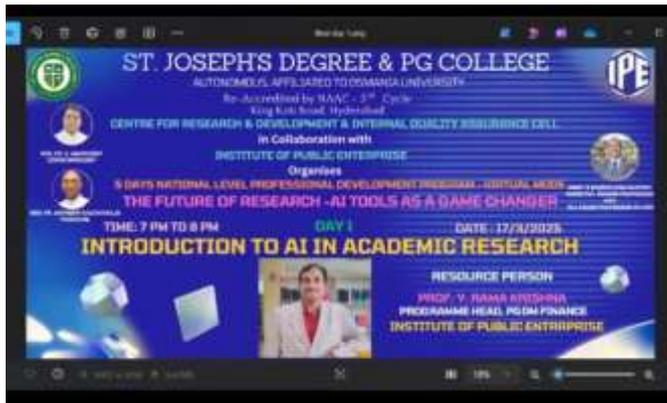
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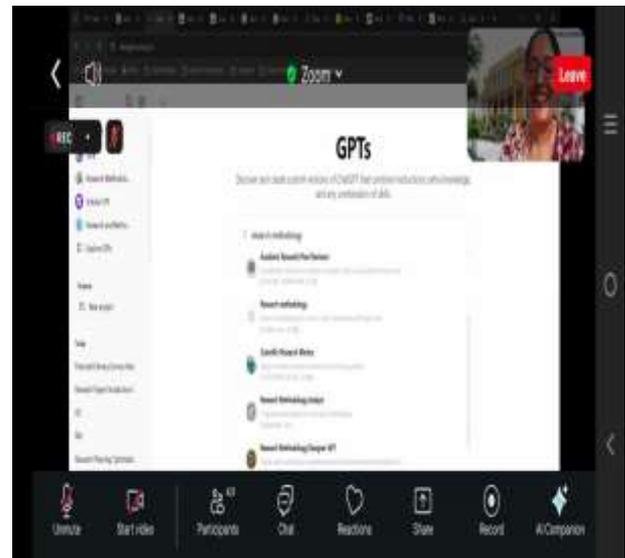
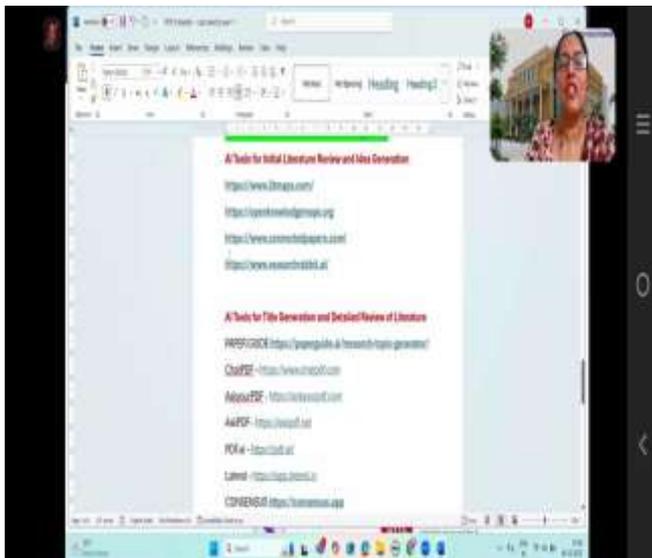
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## DAY-1



Pro. Y. Ramakrishna delivering a session on Introduction to AI in Academic Research

## DAY-2



Prof. P. Kalyani delivered a session on AI tools for Research Methodology

## DAY-3



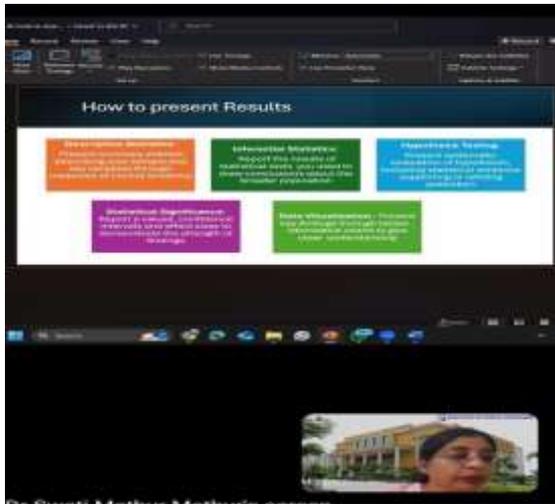
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Dr. Manas Kumar Mohanty Hands-on practice Session on Neural Networks

## DAY-4



Pro. Rama Krishna delivered a session on crafting Research proposal, Funding Opportunities

## DAY-5



Dr. Chandra Shekar enlightened the session on Academic Research and Artificial Publication applying AI.



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## FACULTY OF MATHEMATICS

### **One Week Programme Initiation into Mathematics**

**Event:** One Week Programme—Initiation into Mathematics

**Date:** 17.03.2025 to 22.03.2025

**Venue:** Mahatma Gandhi University, Nalgonda, Telangana

**Participants:** B. Sc (MSCs-II) -01

Mr. S. Bharadwaj, a student of Little Flower Degree College studying in the second year of MSCS, attended the One Week Programme on “Initiation into Mathematics” Programme, which was organised by the Department of Mathematics, Mahatma Gandhi University, Nalgonda, Telangana, from 17.03.2025 to 22.03.2025. The speakers for the sessions were from the various IIT institutions. The main aim of the programme is to expose bright young students to the excitement of doing mathematics, to promote independent mathematical thinking and to prepare them for higher aspects of mathematics. In this one-week program, mainly focused on the statements, quantifiers, solving linear equations, compound statements, family of sets, power sets, system of linear equations of homogenous and non-homogenous, definition of functions, types of functions, bijective mapping, proof of mathematics, and Cartesian product of sets.



Inaugural session of Initiation into Mathematics programme at Mahatma Gandhi University, Nalgonda, Telangana



Resource person taking the session on set theory in Initiation into Mathematics programme.



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Mr. S. Bharadwaj, MSCS II attending the one-week programme at Mahatma Gandhi University, Nalgonda



Mr. S. Bharadwaj, MSCS II receiving the certificate of participation in the one-week programme at Mahatma Gandhi University, Nalgonda



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## FACULTY OF COMPUTER SCIENCE

### **Certificate course on Data Science and Analytics - Skills for Her**

**EVENT:** Certificate course- Skills for her

**DATE:** 3rd January - 21st March 2025

**Topic:** Data science and Analytics

**VENUE:** Montfort Hall, LFDC

**PARTICIPANTS:** 120

To maintain the momentum of MOU signed between DEED and LFDC delegates from NASSCOM, HGS and DEED, Faculty of Computer Science has conducted a certificate course- "Data Science for Analytics" for 180 Hours as a Part of "SKILLS FOR HER" Project in collaboration with Deepam for Education Empowerment & Development (DEED) to aid and support the girl students in providing necessary knowledge and skills to succeed as Data Professional.

National Association for software Service Company (NASSCOM Foundation) is a non-Profit industry Association which gives platform to students to chart out their own career path as well as create an impact on the technology growth of India, it is a foundation which supports the certification course called Data Science for beginners in LFDC. under Skills for Her Project sponsored by Hinduja Global Solution(HGS) with DEED trust being a passage between NASSCOM/HGS and LFDC.

The trainers, Mr Rahul and Mr. Kaviyarasan, IT trainer, educated students on the topics Power Bi, Advanced Excel, Communication skills and Python Essentials.

The Certification course exam for 120 girls Sponsored by HGS and supported by NASSCOM Foundation and DEED Trust Concluded on 12-March-2025, with two certificates - Online certificates were awarded by the Ministry of Electronics and Information Technology, Government of India. The Offline certificates were being awarded to the candidates in the college by NASSCOM officials.

The certificate distribution ceremony held on 21-03-2025 was a grand and joyous occasion organised to honour the achievements and hard work of students who completed the course. The Event recognized individuals who had successfully

completed their courses and training programmes and received offer letters for 21 girls who were placed in V4U Solutions.

Ms. Shilpa Harsh, Vice President – HGS; Mr Nagesh, Senior Manager-HGS, Mr. Ashutosh Managing Director, NASSCOM Foundation, Mr. Geroge Stephan, CEO DEED Trust Visited the College and distributed the certificates.



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Principal Ms. Jayanthi Reddy Felicitating the Guest Ms. Shilpa Harsh. HGS



Student Expressing her Views about the Project.



Students Receiving Offer letter for V4U Solutions



Group Photograph



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## FACULTY OF STATISTICS **Two-Day National Workshop**

**Event:** Two Day National Workshop

**Date:** 10th - 11th April 2025

**Topic:** Statistical Data Analysis with JAMOVI: A Practical Approach

**Venue:** Online Mode

**Participants:** 02

Ms. Dhvani & Ms. Manjusha faculty of statistics, Department of physical sciences attended a two-day National Workshop which was organised by R.B.V.R.R. women's college & St Joseph's Degree College on Statistical Data Analysis with JAMOVI: A practical approach on 10th & 11th April 2025 in online mode from 2:00 pm to 4:00 pm, which focused on equipping Participants with hands-on experience in using JAMOVI software for performing various statistical analyses. Dr. Hanmantha Rao S, speaker of the workshop, delivered the basics of JAMOVI, including installation, data import, data cleaning, descriptive statistics, and visualization techniques, inferential statistics such as t-tests, ANOVA, chi-square tests, correlation, and regression analysis. The workshop ended with a valedictory session, where certificates were distributed, and feedback was collected.



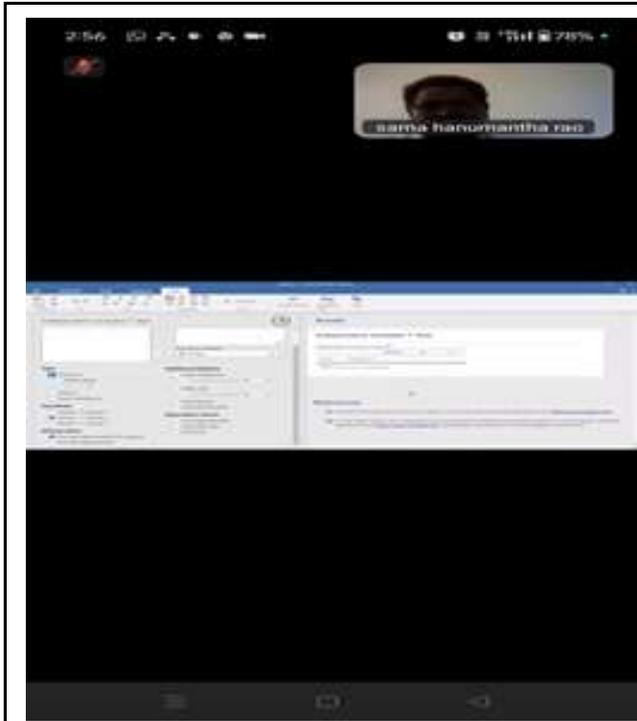
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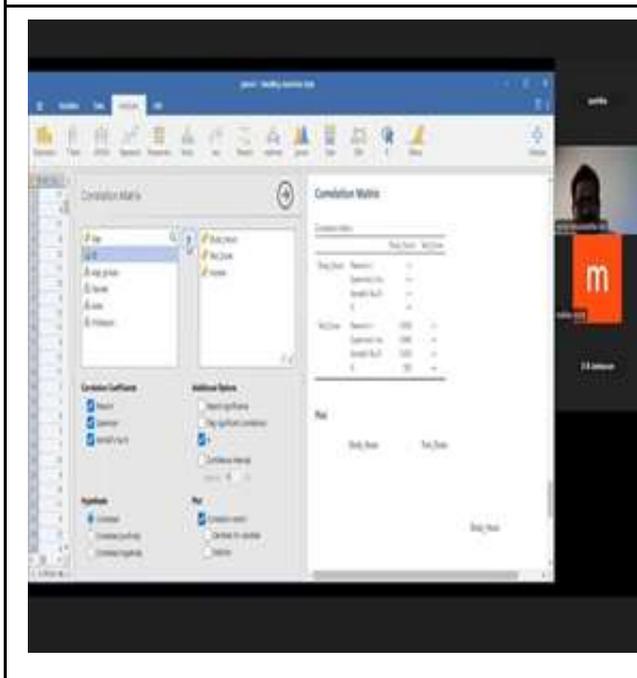
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Speaker Dr. Hanmantha Rao delivered an engaging lecture during the session



### Types of Data in Statistics

Data Type	Description	Example
Nominal	Categorical, no natural order	Gender (Male, Female)
Ordinal	Categorical with order	Satisfaction (Low-High)
Interval	Numeric, no true zero	Temperature (°C)
Ratio	Numeric, true zero exists	Height, Age, Test Scores

Nominal & Ordinal = Qualitative  
Interval & Ratio = Quantitative