



Little Flower Degree College

(Affiliated to Osmania University)

Uppal, Hyderabad

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LEAD TO ILLUMINATE



ELECTRONICS 2022-23



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INDEX 2022-23

S NO	MONTH	EVENT NAME
1	JULY	FDP ON RPA - ATTENDED
		VENUE: GMEET
		DATE: 27.07.22 to 01.08.2022
		TIME: 5PM-7PM
2		FIELD TRIP - ORGANISED
		VENUE: Tabcon Capacitors
		DATE: 3.08.2022
		TIME: 9AM-3PM
3	AUGUST	SEMINAR - ORGANISED
		TOPIC: An insight into working of Computer & TV
		VENUE: D22
		DATE: 18.08.2022
		TIME: 10.40AM - 12 PM
4	SEPTEMBER	FACULTY EXCHANGE WITH MARIS STELLA COLLEGE, VJA -ORGANISED
		TOPIC: 8085 MICRO PROCESSOR
		VENUE: GMEET
		DATE: 15.09.22 - 22.09.22
		TIME: 1 hour on working days



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5	NOVEMBER	INTRA COLLEGIATE COMPETITION - ORGANISED
		TOPIC: PPT on 'Working of TV/Computer block'
		VENUE: D22
		DATE:3.11.2022
		TIME: 10.40AM - 12 PM
6		WORLD SCIENCE DAY- PROJECT EXHIBITION USING ARDUINO - ORGANISED
		TOPIC: Any Application Using Arduino
		VENUE: Electronics Lab
		DATE: 10.11.22
		TIME: 10.40AM - 1.50PM
7		INTERNATIONAL CONFERENCE - ATTENDED
		TOPIC: EMERGING TRENDS IN COMMERCE, MANAGEMENT, LANGUAGES, SCIENCE & TECHNOLOGY
		VENUE: AURORA DEGREE & PG COLLEGE
		DATE:
		TIME:9.30 AM-4.30PM
8	JANUARY	FACULTY EXCHANGE PROGRAM PART-ii
		TOPIC: 8051 MC INSTRUCTION SET (NAGA LAKSHMI)
		VENUE: GMEET
		DATE:17.01.2023 - 24.01.2023
		TIME: 1 hour on working days
9		ONLINE TRAINING BY NSIC - ATTENDED



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		TOPIC: MACHINE LEARNING
		VENUE: MICROSOFT TEAMS
		DATE: 25.01.2023 - 02.02.2023
		TIME: 6.30PM-7.30PM
10	FEBRUARY	E-WASTE COLLECTION DRIVE - CONDUCTED
		VENUE: LF CAMPUS
		DATE: 10.02.2023 - 10.03.2023
11		NATIONAL SCIENCE DAY CELEBRATIONS - CONDUCTED
		EVNET: OPEN DAY - SURVEY OF INDIA
		DATE: 28.02.2023
		TIME: 12.40PM - 2.30PM
12		PROJECT EXPO - ATTENDED
		VENUE: PULLA REDDY DEGREE & PG COLLEGE; ST. JOSEPH'S DEGREE COLLEGE
		DATE: 28.02.2023
		TIME: 9.30 -4.00 PM
13	MARCH	SEMINAR - E-WASTE RECYCLING (CONDUCTED)
		VENUE: D01
		DATE: 15.03.2023
		TIME: 12:40PM-01:40PM
14		SEMINAR - EMBEDDED ARTIFICIAL INTELLIGENCE (ATTENDED)



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		VENUE: Aurora Degree & PG College
		DATE: 27.03.2023
		TIME: 09:30am-04:30pm
15	APRIL	WORKSHOP - CIRCUIT SIMULATION - CONDUCTED
		VENUE: Little Flower Degree College
		DATE: 21.04.2023
		TIME: 09:30AM-03:30 PM



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ATTENDED FDP ORGANISED

BY

ST.ANN'S COLLEGE, MALLAPUR, HYDERABAD

TOPIC: Robotic Process Automation

VENUE: G-MEET

DATE: 27-07-2022 to 01-08-2022

TIME: 05:00 PM TO 07:00PM

One Week Online Faculty Development Programme on Robotic Process Automation (RPA) was organised by Department of science, St Ann's Degree College for Women, Mallapur, In association with SANSAH INNOVATIONS PVT.LTD. from 27/07/2022 to 01/08/2022, Resource person for the session was Mr. C Sanjay Kumar, CEO, SANSAH INNOVATIONS PVT.LTD. Ms. T. Naga Lakshmi, Faculty of Electronics, Dept of Physical sciences attended the event. The objective of the FDP is to enlighten the participants on how to program using a UI path for achieving automation of various processes. Participants learned the basics of automating simple processes using UI path.

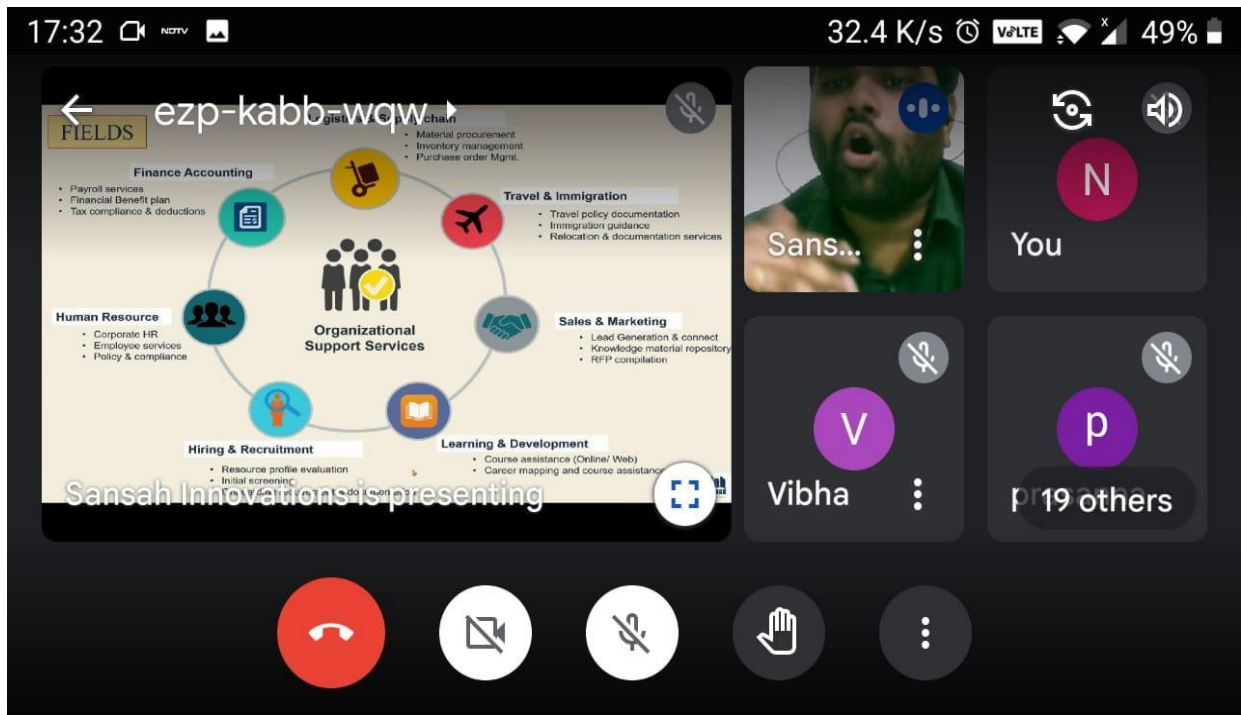


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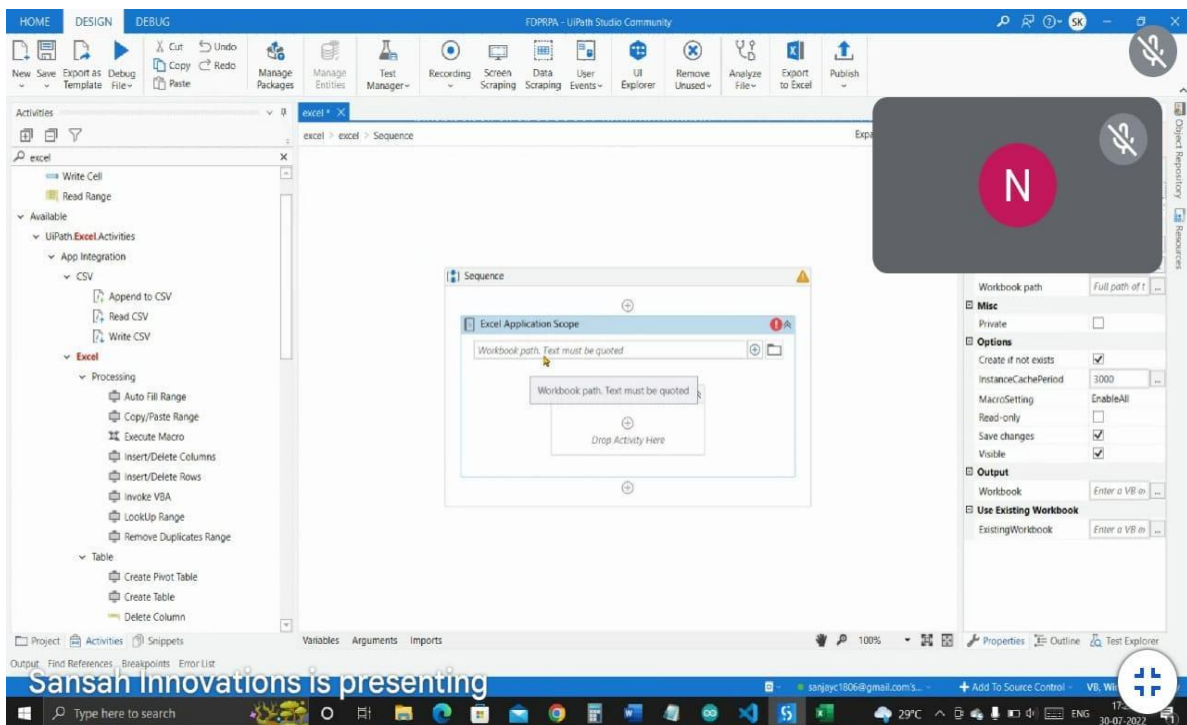
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Mr. Sanjay, Resource person explaining about various fields to which RPA can be utilised



Resource person explaining about data extraction from Excel sheet



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FIELD TRIP REPORT

VENUE: TIBREWALA ELECTRONICS LIMITED

DATE: 03.08.2022

CLASS: III B.SC MECS, MPCS & MPC

TIME: 09:00AM-03:00PM

The Faculty of Physics and Electronics, Department of Physical sciences has organised a field trip to “Tiber Wala Electronics LTD, BHEL Ancillary Industrial Estate, Hyderabad “on 3/8/2022. Students of III MPCS, MPC, MECS accompanied by Ms. Nagalakshmi, Faculty of Electronics and Ms. Shajahan Begum, Faculty of Physics attended the field trip. The objective of the field trip was to educate the students about various types of capacitors and the production process. Students understood the various methods used in the production of capacitors as well as their applications.



Students at the manufacturing Unit



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Group Photo



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TECHNICAL SESSION REPORT

VENUE: D23 - ELECTRONICS CLASS ROOM

DATE: 18.08.2022

CLASS: III & II B.SC MECS

TIME: 10:40AM – 12:40AM

The Faculty of Electronics, Department of Physical sciences has organised a technical session on 'INSIDE TV & CPU' ON 18.08.2022. The session was delivered by Mr. Harish Kumar, General Manager, Novotta Technologies Pvt. Limited. The objective of the program was to educate the students about the working of TV and computers. Students actively participated in the event and understood about the various blocks that constitute TV and Computers.



Mr. Harish Kumar explaining about the working principle of TV & Computer



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Mr. Harish demonstrating the various units of Computer



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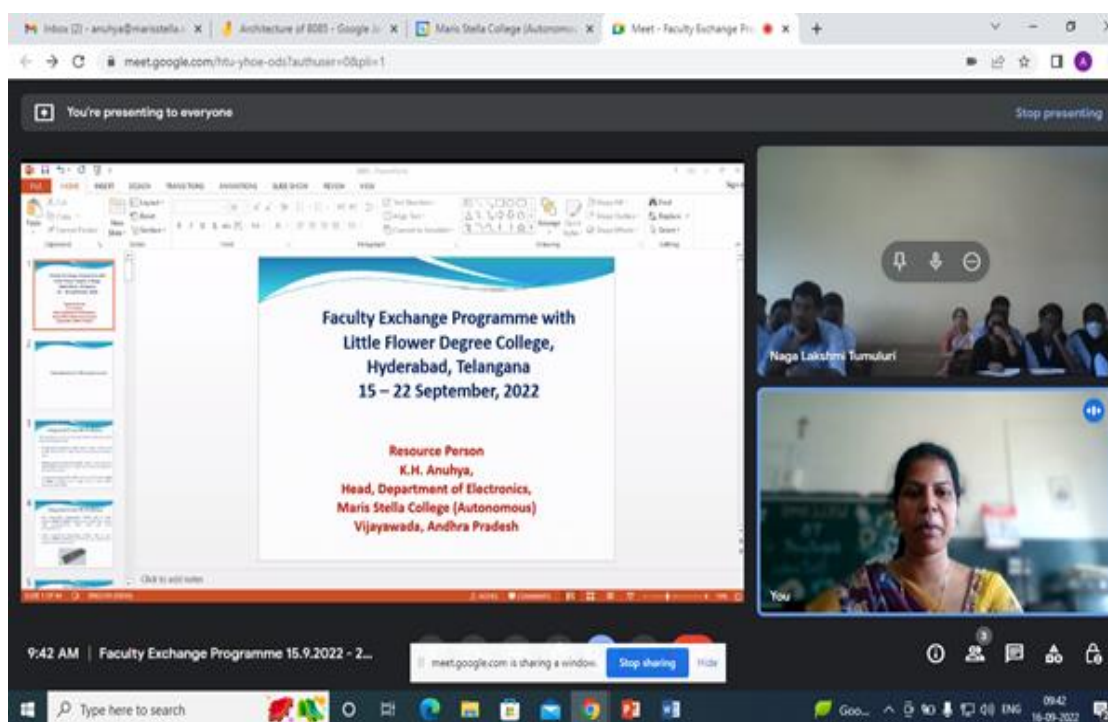
FACULTY EXCHANGE PROGRAM REPORT

Topic: 8085 Microprocessor

Date: 15.09.22-22.09.22

Time: 1 hour on working days

The Faculty of Electronics, Department of Physical sciences has organised a Faculty Exchange program in collaboration with Maris Stella College, Vijayawada. Ms. Anuhya, Head, Department of Electronics taught about 8085 Microprocessors in the month of September from 15.09.2022 to 22.09.2022 for V sem. The objective of the program is to help students to benefit from the knowledge of Ms. Anuhya in the 8085 Microprocessor topic. Students enthusiastically listened to lectures delivered by Ms. Anuhya.



Ms. Anuhya, Head, Department of Electronics introducing about the topic



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Ms. Anuhy, Head, Department of Electronics explaining the architecture of 8085 Microprocessor



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REPORT ON INTRA COLLEGIATE COMPETITION

TOPIC: WORKING OF ANY BLOCK OF TV/COMPUTER

DATE: 03.11.2022

TIME: 10:40AM-12:40AM

The Faculty of Electronics has organised a PowerPoint Presentation on the topic 'Any Block of TV or Computer. On 03.11.2022 at 10.40AM in D22. Students have presented on various topics related to computers and TV. This event was organised to let the students understand the various hardware parts of computers as well as TV and their working. Students enthusiastically participated in the event.

COMPETITION RESULTS:

1. Sam Joel & Rohit - II B.SC MECS
2. V. Bhavana & P. Vishnu Priya - II B.SC MECS
3. G. Likitha Sree & N. Pravachana - II B.SC MECS

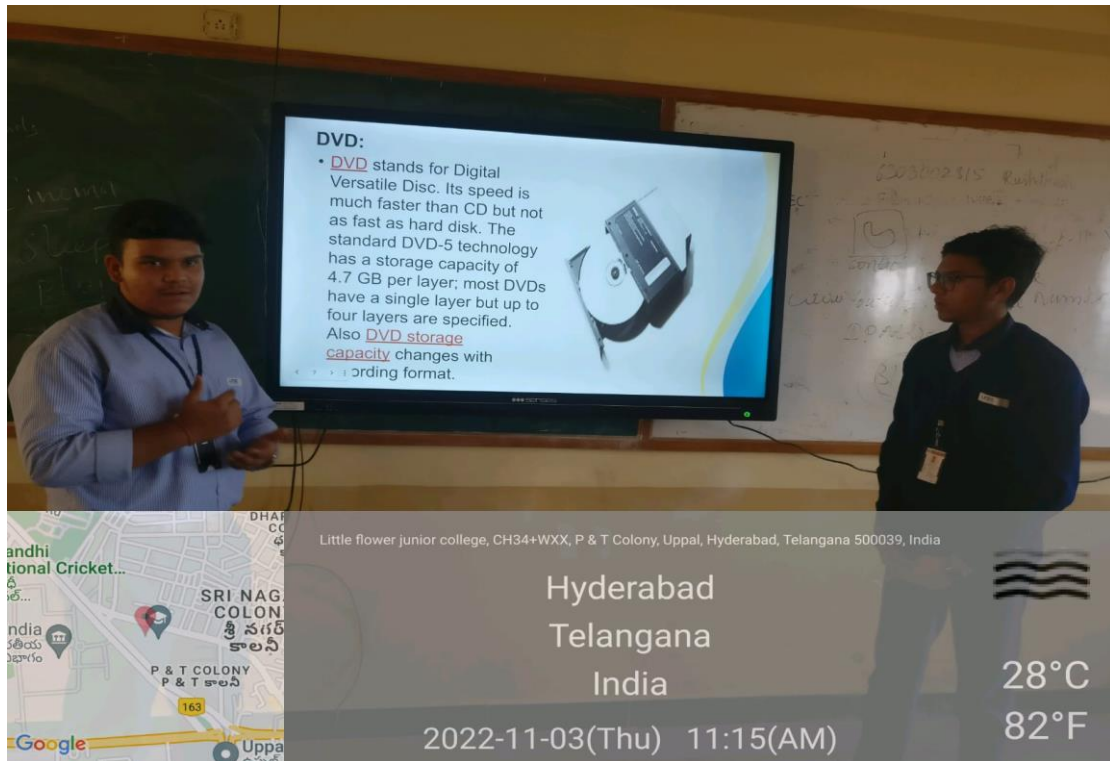


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Mr. Ganesh & Mr. Ashwanth, II MECS presenting on DVD



Ms. Anuhya, Lecturer, Faculty of Computer Science judging the competition



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REPORT ON WORLD SCIENCE DAY CELEBRATIONS

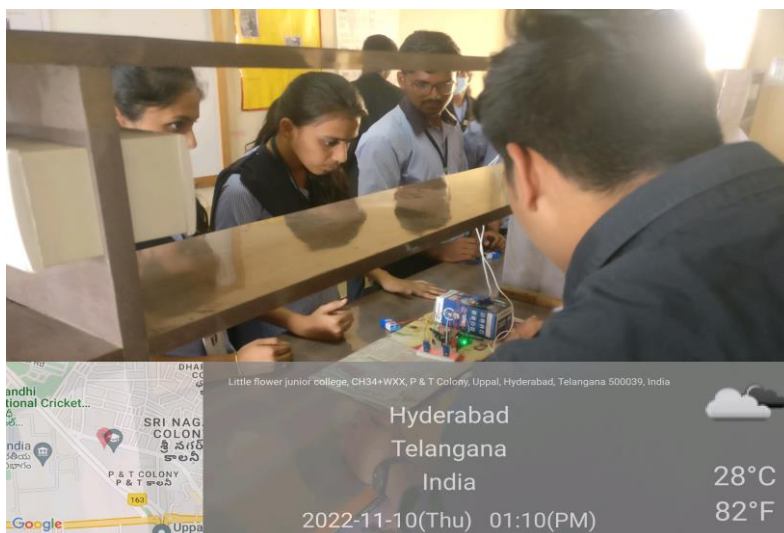
NAME OF THE EVENT: Project Exhibition

DATE: 10.11.2022

TIME: 10:00AM – 02:00PM

VENUE: Electronics

A project exhibition was organised on the occasion of World Science Day by the faculty of Electronics, Department of physical sciences on 10th November, 2023. Students of III and II B.SC MECS displayed their projects built using Arduino boards. The objective of the exhibition was to showcase the innovative and educational science projects created by students to promote scientific knowledge. The exhibition featured a wide range of projects like Blind stick, Automatic door lock, Anti-theft alarm, Heart rate monitor, smart dust bin, Automatic Irrigation system. Students demonstrated their projects and explained the concept behind their project. This exhibition encouraged students to implement many more projects and inspired the young minds to pursue careers in science and technology.



Ms. Sindhura and Ms. T. Sanjana showcasing their light sensor project

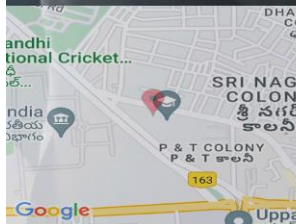


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Little flower junior college, CH34+WXX, P & T Colony, Uppal, Hyderabad, Telangana 500039, India

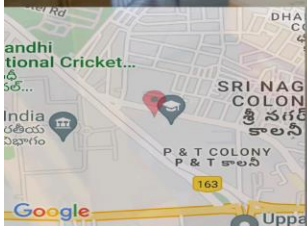
Hyderabad
Telangana
India

2022-11-10(Thu) 01:17(PM)



28°C
82°F

Mr. Madhu & batch explaining about their home security system



Little flower junior college, CH34+WXX, P & T Colony, Uppal, Hyderabad, Telangana 500039, India

Hyderabad
Telangana
India

2022-11-10(Thu) 11:35(AM)



27°C
81°F

Vasanth & batch, II BSC MECS showcasing their heart rate monitor system



B. Shiva Prasad and L. Manjunath displaying their ‘Blind Stick’ Project



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INTERNATIONAL CONFERENCE - ATTENDED - REPORT

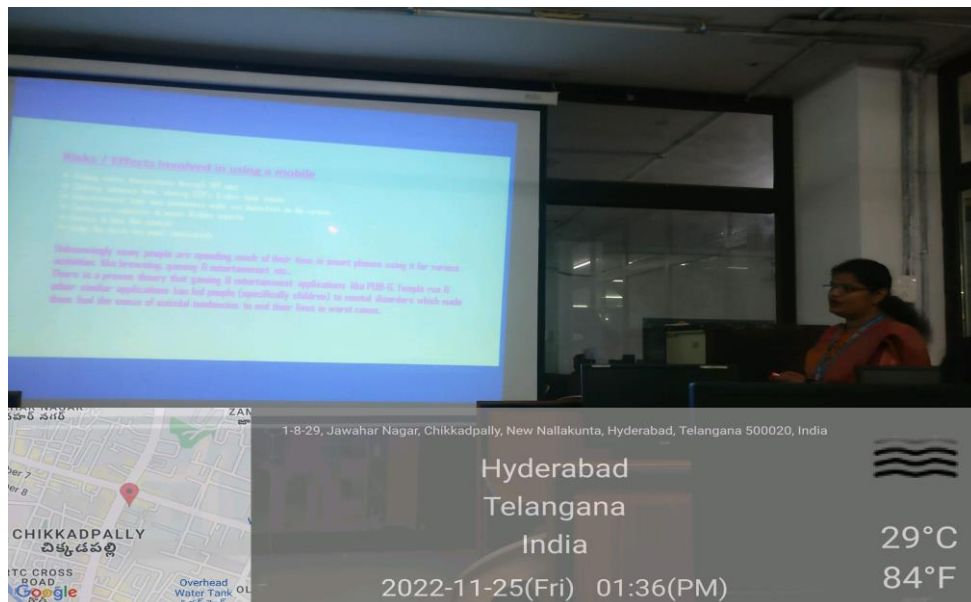
EVENT NAME: Emerging trends in commerce, Management, Languages, Science & technology

Date: 25.11.2022

Time: 10:00AM-04:00PM

Venue: Aurora's Degree & PG College

On November 25 and 26, 2022, Aurora's Degree & PG college hosted an international conference on "Emerging trends in Commerce, Management, Languages, science, and technology." Ms. Naga Lakshmi, Coordinator, Faculty of Electronics, participated and presented a paper at the conference. "Smart Mobile - The trendiest Embedded system" is the paper's title. The conference's main goal was to give academics, professionals, and researchers from all around the world a forum for communication and idea sharing. Participants gathered and gained an understanding of the current research being conducted in their respective sectors.



Ms. Bhagya Sree, Lecturer, St. Ann's Degree college presenting her paper



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Group Photo at the conference



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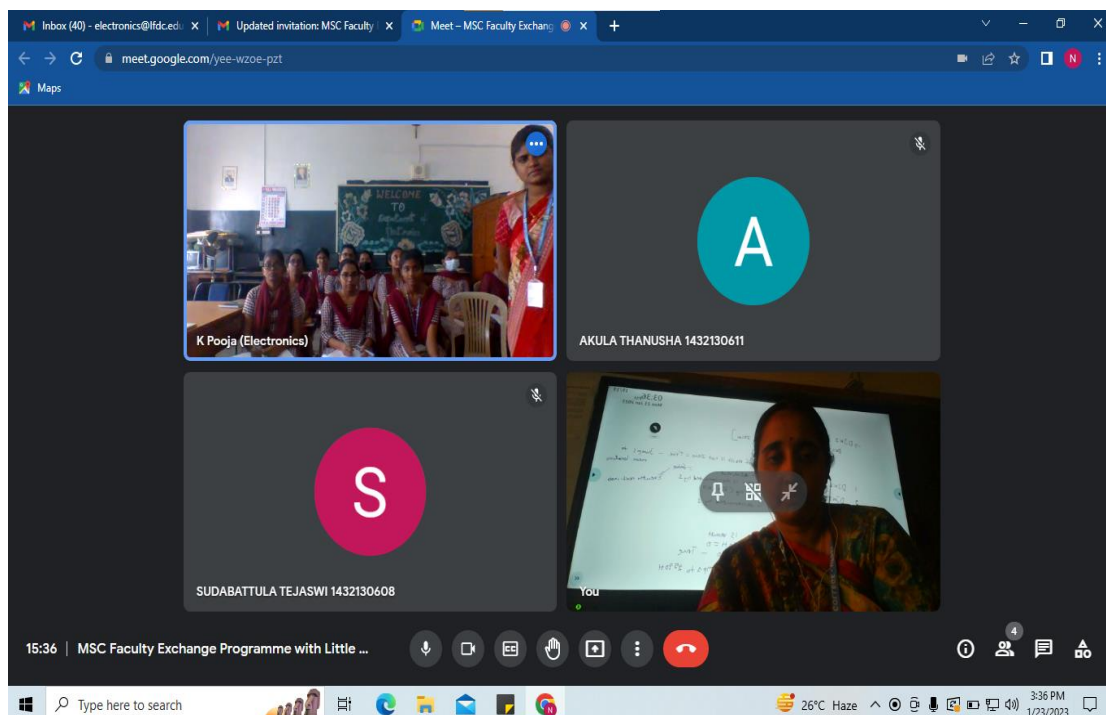
FACULTY EXCHANGE PROGRAM REPORT – Part II

Topic: 8051 Micro Controller instruction set

Date: 17.01.2023-23.01.2023

Time: 02:00pm-03:30pm

Ms. T. Naga Lakshmi, coordinator, Faculty of Electronics, Department of Physical Sciences taught the students of Maris stella college in the month of January as a part of Faculty Exchange program. She explained 'Instruction set of 8051 MC'. Each instruction was discussed in detail with examples and in the end few programs like add, subtract were also taught. She also explained various addressing modes into which the instructions are classified. Students responded positively and were very attentive in the class.





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Ms. Naga Lakshmi interacting with the faculty & students of Maris stella college

REPORT ON TWO WEEKS INDUSTRIAL INTERNSHIP- ATTENDED

TOPIC: MACHINE LEARNING AND ITS APPLICATIONS

DATE: 24.01.2023 - 03.02.2023

TIME: 06:30PM-07:30PM

VENUE: ONLINE (MICROSOFT TEAMS)

Mrs. T. Naga Lakshmi, Faculty of Electronics, Department of Physical sciences has attended an online Industrial Internship from 24th January, 2023 to 3rd February, 2023 organised by National Small Industries Corporation, Hyderabad. The session was held for 1 hour from 6.30pm to 7.30pm followed by a question-and-answer session. Ms. Manjari, a corporate trainer, was the resource person. The objective of this internship was to disseminate knowledge to participants on how to train the machine by applying different algorithms to solve real world problems. Participants were able to apply various algorithms based on the problem statement.



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NATIONAL SMALL INDUSTRIES CORPORATION LIMITED
(A Govt. of India Enterprises, Under the Ministry of MSME)
NSIC-TECHNICAL SERVICES CENTER
A-5 RAO NAGAR ECIL POST, HYDERABAD-500062
Ph. 040-27121422, 27126646, Fax: 2712203, Email: amtechhy@gmail.com



**TWO WEEKS ONLINE INDUSTRIAL INTERNSHIP
ON
MACHINE LEARNING AND ITS APPLICATIONS**

CONTENTS :
Introduction to Machine Learning and Python
Supervised Learning – Classification and Regression
Decision Tree
K-Nearest Neighbor
Logistic Regression
Random Forest
Breast Cancer detection
Unsupervised Learning
K-Means clustering
Deep and Reinforcement Learning
Covid-19 Detection using CNN





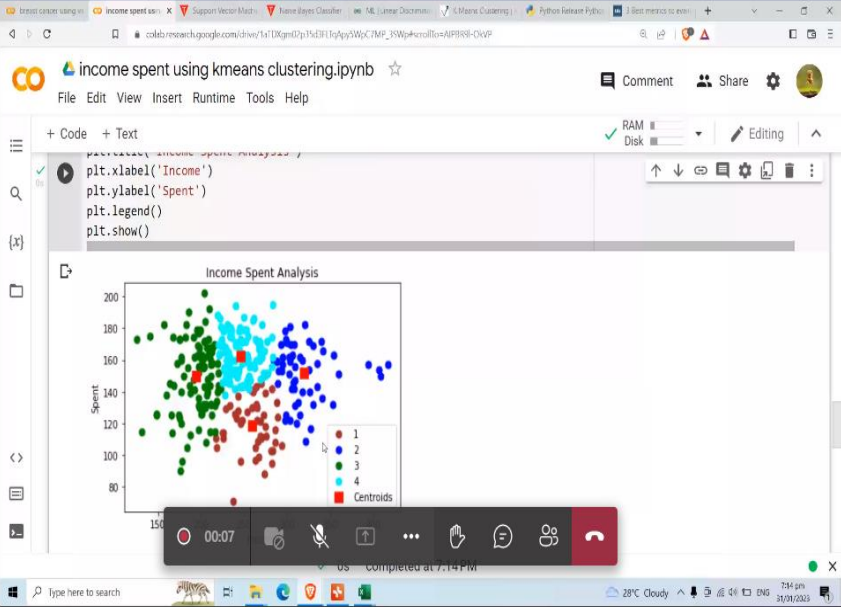
Scan the QR code for the Registration Link.

DATE : 24.01.2023 TO 03.02.2023
TIME : 6:30 PM TO 7:30 PM
FEES : 1000+18% GST= 1180 RS/-
TARGET AUDIENCE :
Any graduate (Engg. or Non-Engg)
REGISTRATION LINK :
<https://tinyurl.com/OnlineTrg-2023>
FURTHER DETAILS CONTACT :
T.MUTHUKUMARAN(DM-TECH)
9490971683/9347248870

NSIC Bank Details
Bank Name : Punjab National Bank
Name : NSIC TSC
Acc.No : 2007002100012281
IFSC : PUNB0456500
Branch Name : AS Rao Nagar
Note:
Payment should be done through digital mode only
GPay/Phonepe/Paytm/NEFT

BROCHURE

Your camera has been disabled. You can no longer share video. Dismiss



```
plt.xlabel('Income')
plt.ylabel('Spent')
plt.legend()
plt.show()
```

Manjari P (Guest)

shyam sundar ... SM S2 SS FA G MP TM

steps 2012 sandhya k s (Gu... Fathima Firose... GANESH.B (Gue... Manjari P (Guest) THULASINGAM MUT...

7:14 PM 1/31/2023

Ms. Manjari explaining about K-Means algorithm



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REPORT ON E-WASTE DRIVE & SEMINAR

DATE: 10.02.2023 - 10.03.2023

VENUE: LF CAMPUS

A one-month awareness drive on E-waste was conducted by the Faculty of Electronics and Physics, Department of Physical Sciences from 10th February, 2023 to 10th March, 2023 in the Little Flower campus. The main objective of the drive was to create awareness among the students about the importance of identifying and disposing of electronic waste.

Posters were set up across the campus (school, junior college as well as degree college) and bins were provided. The posters contained information on the waste materials that were to be dumped into the bins.

Students, parents and lecturers from the campus enthusiastically participated in the drive and contributed around 25kg of E Waste. The collection included old monitors,



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cables, mobile phones, Bluetooth speakers, cables, microwave oven etc. At the end of the drive a seminar was organised to educate the students about the various processes involved in segregating the collected waste.



Mr. Praveen, Lab Assistant dumping his mobile phone in the bin



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Mr. Donald, Earth Sense Resense Pvt. Ltd, explaining to students about the various processes involved in segregating the E-Waste.

REPORT ON PROJECT EXPO ATTENDED

NAME OF THE EVENT: PROJECT EXHIBITION

DATE: 28.02.2023

TIME: 09:00AM-03:30PM

A Project Exhibition was conducted by the Department of Electronics, St. Joseph's Degree College & PG College as well as Pulla Reddy College on the occasion of National Science Day i.e 28.02.2023. Mr. B. Shiva Prasad and Mr. T. Manjunath from II MECS participated and presented their project work 'Blind stick using Arduino'. Another project 'Automatic Door Lock system' using Arduino was presented by Mr. Madhu & team from III BSC MECS.



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Mr. Sreekar & team from III BSC MECS participated in the project expo organised by St. Joseph's Degree & PG college and presented their project 'Automatic Irrigation system using Arduino'.



Mr. Madhu & Mr. Surya Prakash Explaining the project to the school children



Students receiving appreciation from principal, Pulla Reddy College

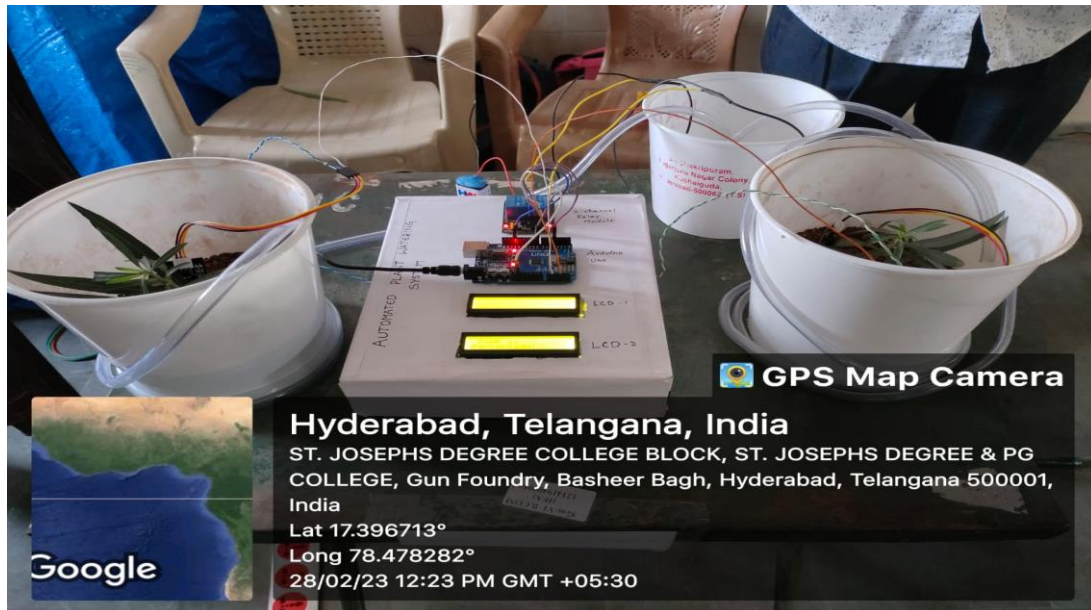


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Automatic Irrigation System showcased by Mr. Sreekar & Group at St. Joseph's Degree College

FDP REPORT

TOPIC: EMBEDDED ARTIFICIAL INTELLIGENCE

VENUE: AURORA DEGREE & PG COLLEGE

DATE: 27.03.2023

TIME: 09:00AM-04:30PM

Ms. T. Naga Lakshmi, Faculty of Electronics, Department of Physical sciences attended a Faculty Development Programme conducted by Aurora Degree & PG College, Hyderabad on 27th March, 2023 on 'Embedded Artificial Intelligence' in collaboration with Brihat Engineering Science and Technology (BEST) society. The objective of the FDP is to imbibe innovation in teaching and learning so that the participants spruce up to the opportunities available in the field of embedded AI. Participants understood the



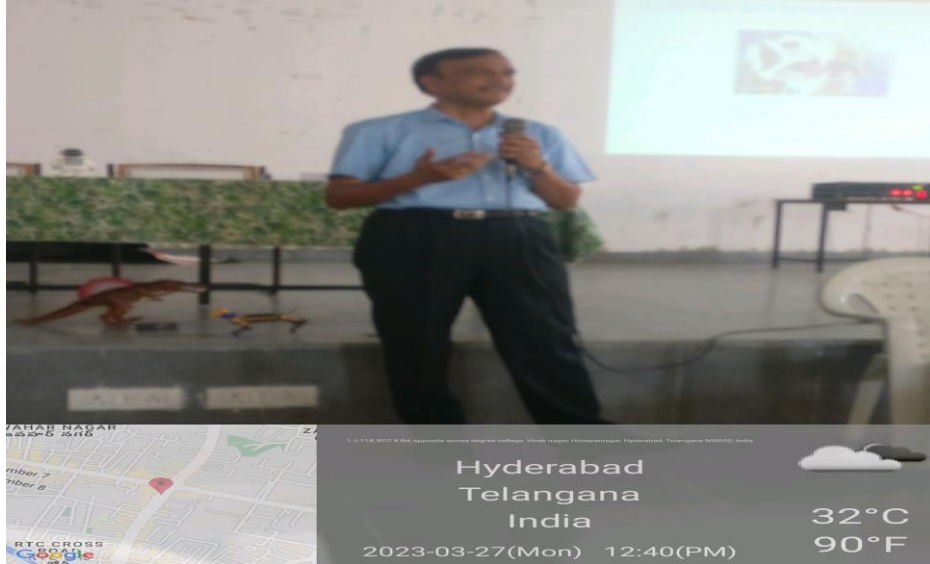
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applications of Embedded systems in various fields and also the available career opportunities.



Mr. Chandrasekhar, Director, 7s technologies explaining about the developments in the field of Animatronics

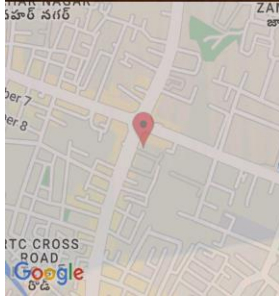
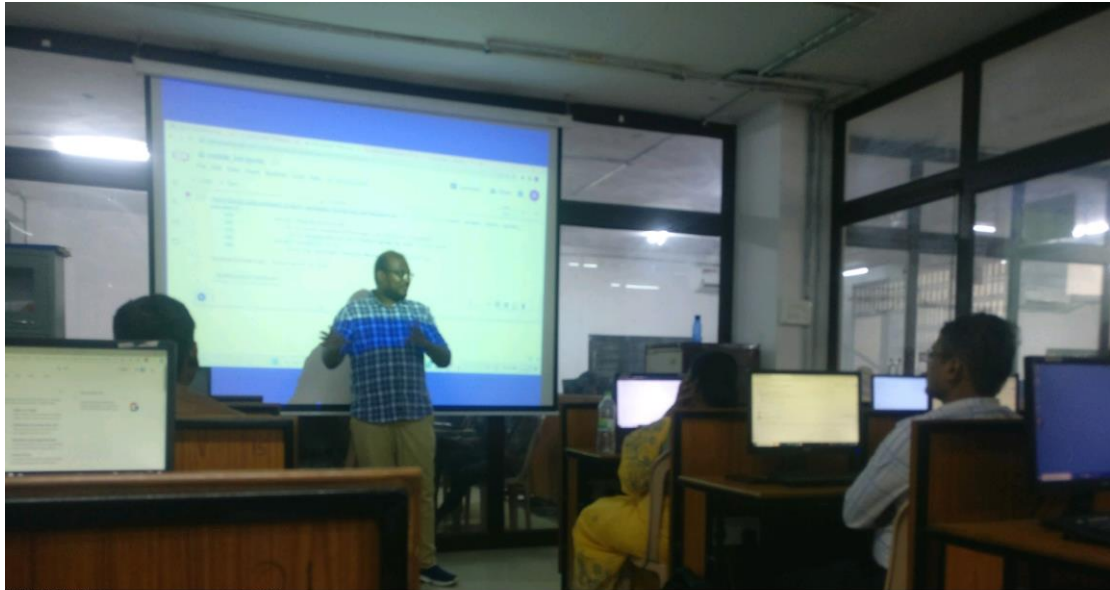


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1-8-29, Jawahar Nagar, Chikkadpally, New Nallakunta, Hyderabad, Telangana 500020, India

Hyderabad
Telangana
India



34°C
93°F

2023-03-27(Mon) 04:07(PM)

Mr. G. L. N Ravi Teja. Director, Tejasysa Innovative solutions explaining on how python can be used in implementing AI



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REPORT ON CIRCUIT SIMULATION

DATE: 21.04.2023

VENUE: COMPUTER LAB

TIME: 09:30AM-02:00PM

The Faculty of Electronics, Department of Physical sciences organised a workshop on 'CIRCUIT SIMULATION' on April 21, 2023 in the Computers lab from 9.30 AM-2.00PM. The objective of the simulation workshop is to introduce the simulation software and let the students understand how electronic circuits behaviour can be understood. Mr. Sanjay from Brihat Engineering Science and Technological Society was the resource person. It was organised for I & II B.SC(MECS) students. Students at the end of the workshop were able to simulate simple circuits and do D.C analysis and frequency response.



Mr. Sanjay, Resource Person explaining the Simulation of frequency response of a circuit

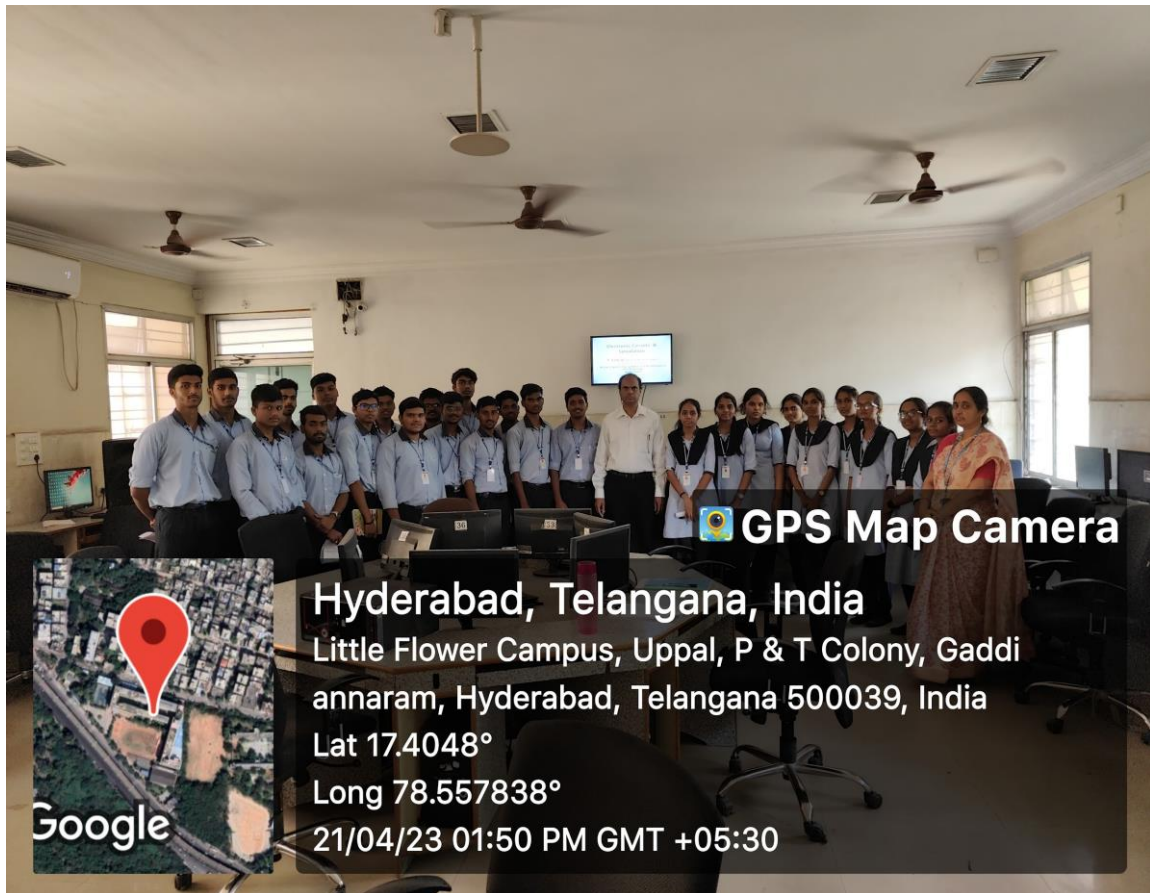


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