



Giving Wings to Thoughts

St. PETER'S ENGINEERING COLLEGE

UGC AUTONOMOUS

NEWS LETTER

2022-23

VOLUME - I

DEPARTMENT OF CSE(AIML)





About the Course :

The Department of Artificial Intelligence was established in the year 2020 with an intake of 60 Students. Artificial Intelligence prepares students with the skills to perform intelligent data analysis which is a key component in numerous real-world applications. Apart from making them good technocrats, the Department also provides individual attention to make them good citizens of our nation and to serve the industry and society constructively to make them good technocrats through futuristic plans. The Department has state-of-the-art facilities for various labs, well equipped seminar halls, classrooms to support e-learning and a department library. By this course, the students will gain cross-disciplinary skills across fields such as statistics, computer science, machine learning, and logic, data scientists and may have career opportunities in healthcare, business, E-Commerce, social networking companies, climatology, biotechnology, genetics, and other important areas.



VISION

To improve fundamentals and make it easier to address the ever expanding needs of society by producing the best leaders in artificial intelligence and machine learning via excellence in research and education.



MISSION

DM1: Create centers of excellence in cutting-edge computing and artificial intelligence.

DM2: Impart rigorous training to generate knowledge through the state-of-the-art concepts and technologies in Artificial Intelligence and Machine Learning.

DM3: To enhance research in emerging areas by collaborating with industries and institutions at the national and international levels.



Department of Computer Science and Engineering (Artificial Intelligence & Machine Learning)

Program Outcomes:

PO1: Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and provide solutions in the engineering specialization of artificial intelligence and machine learning.

PO2: Problem Analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, and environmental considerations.

PO4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6: The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.



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PO7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

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

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



**St. PETER'S ENGINEERING COLLEGE, MAISAMMAGUDA
DEPARTMENT OF CSE (AI&ML)**

HOD: Ms. M. Arsha Reddy

Our department students of bright minds and excellence have shown their brilliance and hard work in the field of Artificial Intelligence Machine Learning and other future technologies. Our Students have participated in various Hackathons, Seminars, Workshops, and Conferences in inter-college and outer-colleges.

The department of CSM has a dedicated club that works in student development to automate the idea named "Gradient" and was inaugurated on 8th jan 2023 with

PRESIDENT: RLVNSG Sagar(21BK1A6606).

VICE PRESIDENT: Siri Chandana(20BK1A6624).

SECRETARY: Murari(20BK1A6658).

JOINT SECRETARY: Akshitha(21BK1A6616).



GRADIENT
Ideas ARE AUTOMATED

FACULTY ACHEIVEMENTS :

1 . Mr. K. SRI RAMA MURTHY **ASST.PROF**

- Published one conference paper and two journal papers.
- Attended research review meeting - II and sucessfully completed.
- Attended colloquium at JNTU Hyderabad and submitted Ph.D Thesis.
- Awaiting for viva to achieve Doctorate Degree.

2 . MARRI ARSHA REDDY **HOD , ASST.PROF**

PAPER PUBLICATION

Journal of pharmaceutical negative results (Scopus-Q4)

Early Disease Diagnosis using Multivariate Linear Regression

Arul Natarajan¹ ,Panthagani vijayababu² , **M.Arsha³** ,Sasibhushana RaoPappu⁴ ,Vidya Rajasekaran⁵ St. Peter's Engineering College (SPEC), Hyderabad 1, 3, India Vignan's Foundation for Science, Technology and Research, Andhra Pradesh² , India Aditya Institute of Technology and Management, Tekkali⁴ , India B.S.Abdur Rahman Crescent Institute of Science and Technology⁵ , India



ABSTRACT :

The world population is rapidly increasing; people are prone to more diseases due to their food habits and lifestyle changes. The proper diagnosis of the disease at the initial stages will save the lives of millions. So this kind of disease prediction system will help in predicting the disease in the initial stages using their symptoms. We study the historical dataset of the patients with the symptoms and their diseases. We apply data analytics skills to extract hidden patterns from the data. We calculate the number of symptoms contributing to the disease and the weightage factor for every contributing symptom. The weightage indicates the score value contributing to the disease. The ultimate goal of this research is to develop a high-end prediction prototype for disease diagnosis with improved accuracy and efficiency. We implemented a Multivariate Linear Regression algorithm using python to predict the diseases. The model is evaluated using metrics like R², MSE, and RMSE, and the Multivariate Linear Regression algorithm is found to be the best fit with an accuracy of 95%.



STUDENT ACHIEVEMENTS :

IIIT HYDERABAD MEGATHON'22

IIIT Hyderabad Hackathon is an annual event hosted by the International Institute of Information Technology Hyderabad, which aims to bring together students, professionals, and enthusiasts from the field of computer science and engineering to collaborate, innovate, and solve real-world problems using technology.



The event is usually held over a period of 24-48 hours, during which participants work in teams to develop and showcase their ideas and projects to a panel of judges, who evaluate them based on various criteria such as originality, technicality, usefulness, and presentation. The most recent IIIT Hyderabad Hackathon was held in February 2022 and attracted over 200 participants from different parts of India. The event was organized in collaboration with several sponsors and partners, who provided the participants with resources, tools, and mentorship to help them develop their projects.

The Hackathon kicked off with an opening ceremony, where the participants were introduced to the rules, themes, and challenges of the event. The participants were then divided into teams, based on their skills and interests, and were given access to various resources such as APIs, databases, and libraries to help them build their projects.

In this Hackathon students from Department of CSM from 2nd and 3rd year were participated

- 1.GENAVI GYANESHWARI
- 2.J. TULASI SREE
- 3.RLVNSG SAGAR
- 4.KUMAR SAHANI

Over the course of the next 48 hours, the participants worked tirelessly to develop their projects, which ranged from mobile apps to web platforms, from machine learning models to robotics solutions. Some of the notable projects included:

Smart Waste Management System: A mobile app that helps citizens report and monitor waste disposal in their locality using IoT sensors and data analytics.

AI-based Health Diagnosis Tool: A machine learning model that can predict and diagnose diseases based on a person's symptoms and medical history.

Online Learning Platform for Rural Students: A web platform that provides access to online courses, resources, and mentorship to students from rural areas.

Autonomous Delivery Robot: A robot that can navigate and deliver packages to customers without human intervention, using computer vision and AI.



And the called WHAT THE HACK has secured 1st position in IIIT HYDERABAD HACKATHON

On the final day of the Hackathon, the participants showcased their projects to a panel of judges, who evaluated them based on various criteria such as originality, technicality, usefulness, and presentation.



On the final day of the Hackathon, the participants showcased their projects to a panel of judges, who evaluated them based on various criteria such as originality, technicality, usefulness, and presentation. The winners were announced during the closing ceremony, and were awarded cash prizes and certificates for their efforts.

Overall, the IIIT Hyderabad Hackathon was a great success, providing an opportunity for students and professionals to collaborate and innovate using technology, and showcasing some of the most exciting and impactful projects in the field of computer science and engineering.

STARTUP INDIA CARNIVAL

The Indian startup ecosystem has been gaining significant momentum in recent years. To further promote and support startups in India, the Government of India launched the Startup India initiative in 2016. Since then, the country has witnessed a significant growth in the number of startups and the amount of investment flowing into them. In order to celebrate the success of the initiative and encourage more entrepreneurs to take the leap, the Startup India Carnival was held on the National Startup Day on 9th January 2022.



Objective :

The objective of the Startup India Carnival was to create a platform for startups to showcase their innovative ideas, connect with potential investors, and network with other entrepreneurs. The event also aimed to promote the startup culture and provide a platform for startups to learn from successful entrepreneurs.

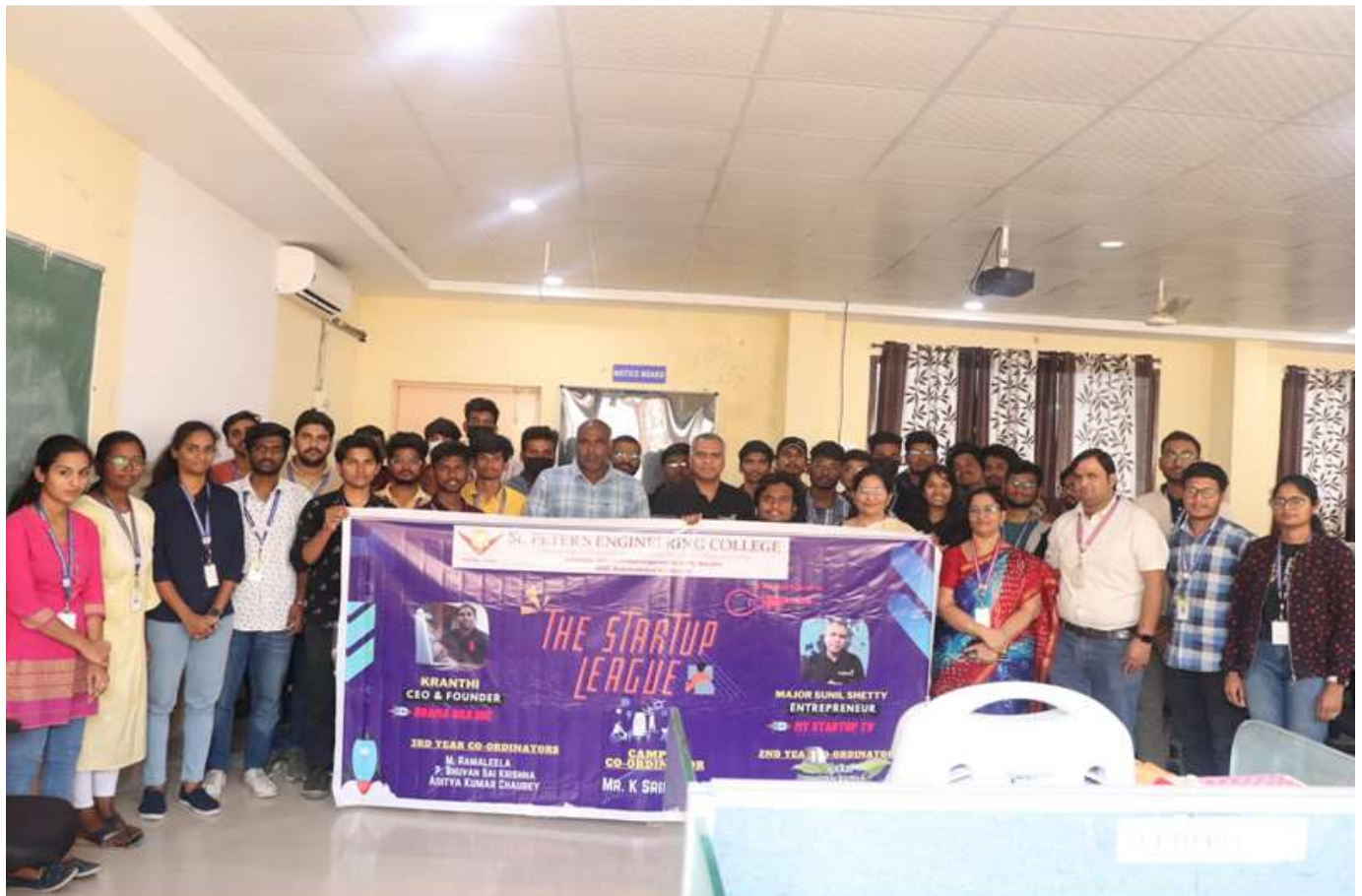
Event Details:

The Startup India Carnival was held on 9th January 2023 at the AIC ALEAP inGAJULARAMARAM, Hyderabad. The event was inaugurated by the Honourable Prime Minister of India, who emphasized the importance of startups in the growth and development of the country. The event witnessed the participation of over 500 startups from various sectors such as healthcare, education, technology, and agriculture.



THE START UP LEAGUE

On 10th Jan 2023, Billion Minds, a leading business consulting firm, organized a startup league event to provide a platform for aspiring entrepreneurs to showcase their business ideas and network with investors, mentors, and fellow entrepreneurs. The event was held from 9:00 AM to 2:00 PM at the Grand Ballroom of the Hilton Hotel in downtown San Francisco. The event was attended by over 300 participants, including entrepreneurs, investors, industry experts, and business enthusiasts.



Fig(1) : Principal Madam , Director madam Hosting The Event



Impact:

The Startup India Carnival received an overwhelming response from startups, investors, and entrepreneurs. The event provided a platform for startups to showcase their ideas and connect with potential investors. Several startups were able to secure funding through the pitch sessions, while others were able to network and learn from successful entrepreneurs.

The Startup India Carnival was also successful in promoting the startup culture and creating awareness about the government's efforts to support startups. The event received significant media coverage, which helped to create a positive image of startups and entrepreneurship in the country.



Conclusion:

The Startup India Carnival was a successful event that provided a platform for startups to showcase their ideas, connect with potential investors, and network with other entrepreneurs. The event also helped to promote the startup culture in India and create awareness about the government's efforts to support startups. The event is expected to encourage more entrepreneurs to take the leap and contribute to the growth and development of the country.





Event Highlights:

The event kicked off with an opening speech by the CEO of Billion Minds, who emphasized the importance of entrepreneurship in driving innovation and economic growth. Following the speech, the startups that were selected to pitch their ideas were announced, and the pitching sessions began. A panel of judges comprising successful entrepreneurs, investors, and industry experts evaluated the pitches and provided valuable feedback to the participants.

Apart from the pitching sessions, the event also featured keynote speeches and panel discussions by eminent personalities from the business world.

The speakers shared their experiences and insights on various topics such as fundraising, team building, market analysis, and customer acquisition. The panel discussions provided a platform for the participants to engage in insightful discussions and learn from each other's experiences.



Networking sessions were also held throughout the event, providing ample opportunities for the participants to interact with investors, mentors, and industry experts. The networking sessions were highly appreciated by the participants as they provided a chance to build valuable connections and learn from experienced professionals.



The students of 3rd year CSM branch were enthusiastically participated in this amazing event . The Event was coordinated by



P.Bhuvan Sai Krishna (20BK1A6652) , Aditya Kumar Chaubey (20BKK1A6606) , M.Ramaleela (20BK1A6635)

The top three best teams performed in this event were : DAU , EDU AI , AGRI SEED

DAU : ASHISH KUMAR (20BK1A6602) , P.Bhuvansai Krishna (20BK1A6652) , B. Bharath Kalyan (20BK1A6619)

EDU AI : P.NIKHIL (21BK5A6605) , RLVNSG SAGAR (21BK5A6606) , M. Ramaleela(20BK1A6635) , ViniithaMandari (20BK1A6659)

Agri seed : D. GOUTHAM RAJU (20BK1A6617) , K.Bhupathi Reddy (21BK5A6604)

Conclusion:

The Startup League event conducted by Billion Minds was a huge success, providing a platform for aspiring entrepreneurs to showcase their business ideas and interact with investors, mentors, and industry experts. The event was highly appreciated by the participants, who found it informative, engaging, and valuable. The event served as an inspiration to many entrepreneurs, who left with a renewed sense of purpose and motivation to pursue their business goals. Overall, the event was a testament to the growing entrepreneurial spirit and the potential for innovation and growth in the business world.

ATAL TINKERING LAB

On January 17th, 2023, Atal Tinkering Labs (ATL) organized an event at KV School UPPAL and Hindu Public School. The event aimed to provide students with a platform to showcase their innovative ideas and projects, as well as encourage them to explore the field of science, technology, engineering, and mathematics (STEM).

Attendees:

The event was attended by students and teachers from both KV School UPPAL and Hindu Public School. The students were from a range of age groups, from primary to secondary level. The event was also attended by officials from the Atal Innovation Mission (AIM) and representatives from the local community. From St. Peter's Engineering College Dr. T Shanmugha Priya madam and Students from 3rd Year CSM were Participated.

- 1)P.Bhuvan Sai Krishna (20BK1A6652)
- 2)RLVNSG SAGAR (21BK5A6606)





Activities:The event featured several activities designed to encourage students to explore STEM and showcase their innovative ideas. The activities included robotics competitions, science exhibitions, and hands-on workshops.

The robotics competitions were a highlight of the event, with students showcasing their robots and demonstrating their functionality. The science exhibitions featured projects related to renewable energy, sustainability, and environmental protection, among others. The hands-on workshops allowed students to experiment with various STEM tools and technologies, such as 3D printers and programming languages.

Keynote Speeches:

The event also featured keynote speeches from officials from the Atal Innovation Mission (AIM) and representatives from the local community. The speeches focused on the importance of STEM education and innovation in addressing the challenges facing society, and encouraged students to pursue their ideas and interests in the field.

Fig : Students from III CSM in KV School Uppal





Networking:

The event provided an opportunity for students and teachers to network and connect with officials from AIM and representatives from the local community. This allowed for a valuable exchange of ideas and the potential for future collaboration.

Conclusion:

The Atal Tinkering Lab event held at KV School UPPAL and Hindu Public School was a successful event that provided students with a platform to showcase their innovative ideas and explore the field of STEM. The event was well-attended and featured a range of activities that encouraged students to experiment with STEM tools and technologies. The keynote speeches provided valuable insights into the importance of STEM education and innovation, and the networking opportunities allowed for valuable connections to be made. Overall, the event demonstrated the potential of STEM education to inspire and empower the next generation of innovators and problem solvers.



NASA WEBINAR ON LUNANET

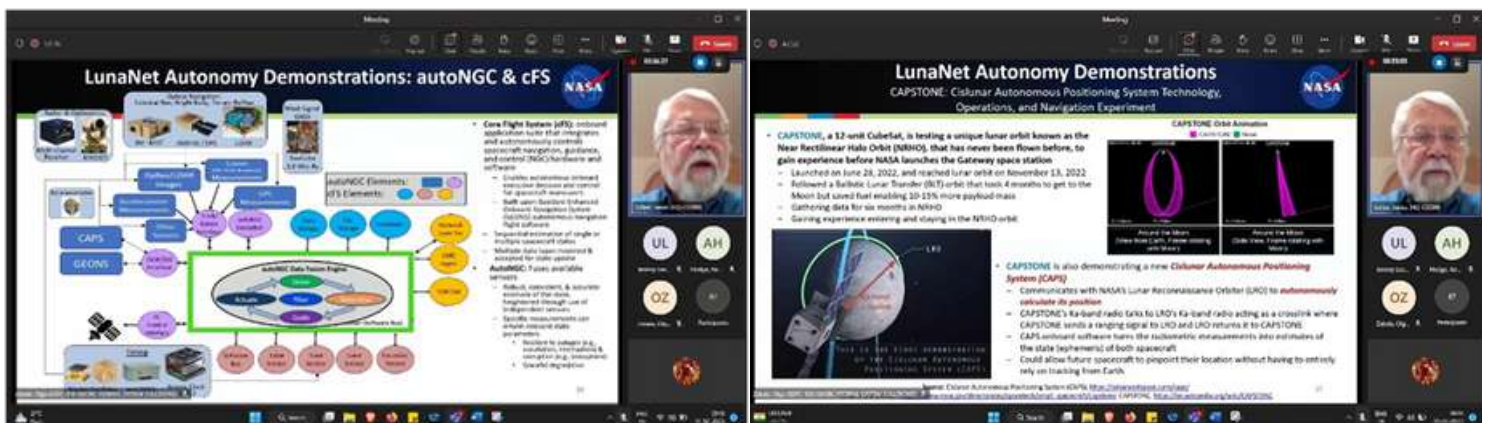
On February 1, 2023, NASA organized a webinar called "LunaNet" which aimed to provide updates on the latest developments in lunar exploration and space science. The webinar featured presentations from experts in the field and provided participants with an opportunity to learn about NASA's plans for future lunar missions.

Attendees:

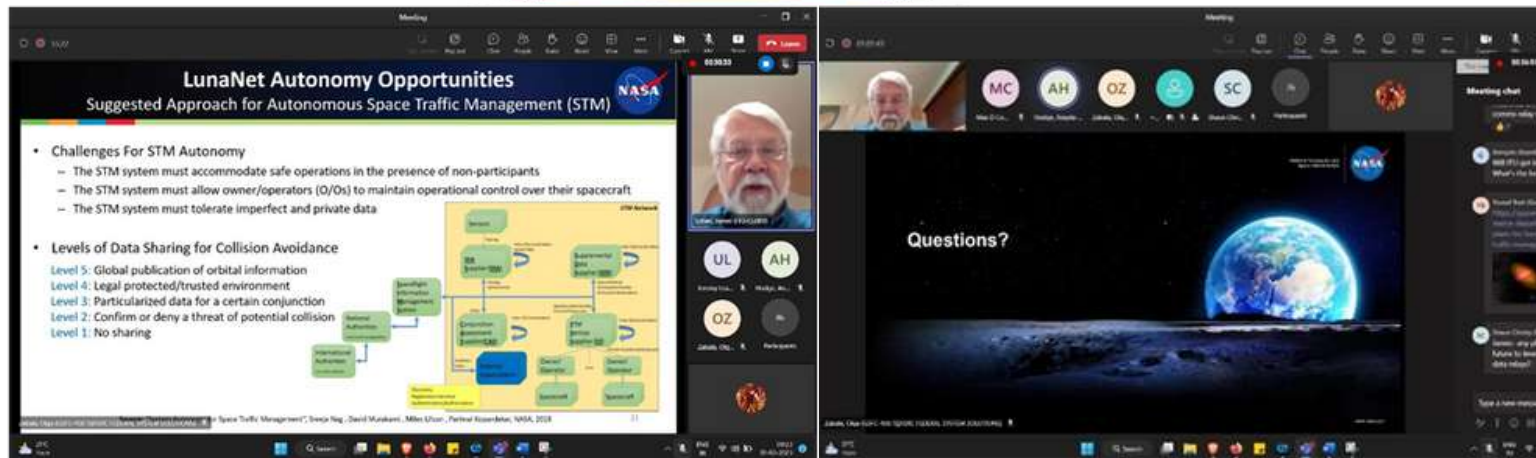
The webinar was attended by a diverse group of participants, including scientists and engineers from NASA, researchers and students from academic institutions, and space enthusiasts from around the world. The participants were able to join the webinar through a virtual platform, which allowed for easy access and engagement. The students of 3rd year CSm from St.Peter's Engineering College were participated In this webinar.

Presentations:

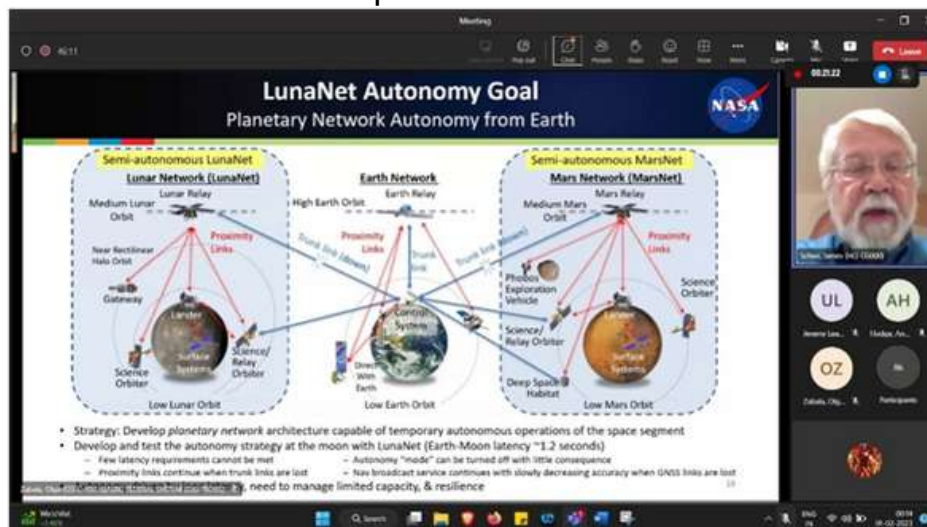
The webinar featured several presentations from experts in the field of lunar exploration and space science. The presentations covered a range of topics, including updates on ongoing missions such as the Artemis program and the Lunar Reconnaissance Orbiter (LRO), as well as new initiatives such as the Lunar Gateway project.



The presenters also discussed the latest scientific findings related to the moon, including research on lunar geology, the moon's impact on Earth's tides, and the potential for mining and resource utilization on the moon.



Q&A Session: The webinar included a Q&A session where participants had the opportunity to ask questions to the presenters. The questions ranged from technical details about NASA's lunar missions to broader topics such as the future of space exploration and the role of international collaboration in space science.



Conclusion:

The "LunaNet" webinar organized by NASA was a successful event that provided valuable insights into the latest developments in lunar exploration and space science. The presentations were informative and engaging, and the Q&A session allowed for participants to ask questions and engage with the presenters. The webinar demonstrated the potential for virtual events to bring together a diverse group of stakeholders in the space industry and provided a platform for networking and collaboration.



ISRO WORKSHOP ON SPIN TECHNOLOGIES

On February 2, 2023, the Indian Space Research Organization (ISRO) organized a workshop called "ISRO Connect Spin" at the National Remote Sensing Centre (NRSC) in Hyderabad. The workshop aimed to promote interaction and collaboration between industry, academia, and ISRO, as well as provide a platform for startups and entrepreneurs to showcase their innovations and ideas related to space technology.

Attendees:

The workshop was attended by a diverse group of participants, including scientists and engineers from ISRO, entrepreneurs, and representatives from startups and academic institutions. Many of the attendees were from the local Hyderabad area, but there were also representatives from other parts of India. In this event several participants from department of CSM from St. Peter's Engineering College has been participated. The Students From St. Peters Engineering College from CSM branch were participated in this workshop.





Presentations:

This workshop featured several presentations from experts in the field of space technology, covering topics such as remote sensing, satellite communication, and space exploration. The presentations were informative and engaging, and provided insights into the latest developments in the industry.



Exhibitions:

One of the highlights of the workshop was the exhibition of space-related products and services by startups and entrepreneurs. The exhibition showcased a wide range of innovative products, including satellite components, remote sensing technologies, and software solutions for space applications. The startups also had the opportunity to interact with ISRO scientists and engineers, who provided valuable feedback and suggestions for improvement.





Networking:

The workshop provided ample opportunities for networking and collaboration between industry, academia, and ISRO. Participants had the chance to meet and interact with like-minded individuals and organizations, exchange ideas, and explore potential partnerships.



Fig : Students from CSM & different Branches were participated in SPIN Technologies



Conclusion:

Overall, the "ISRO Connect Spin" workshop was a successful event that brought together a diverse group of stakeholders in the space technology industry. The presentations were informative, the exhibitions were impressive, and the networking opportunities were valuable. The workshop demonstrated the potential for collaboration and innovation in the field of space technology, and it will likely inspire many attendees to pursue their ideas and initiatives in this exciting field.



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GUEST LECTURE FOR III YEAR CSM

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LEARN AND AUTOMATED

GUEST LECTURE ON ARTIFICIAL NEURAL NETWORKS

Date : 2 nd FEBRUARY
2023 Venue : F - 22

ORGANISED BY : DEPARTMENT OF CSM

SECRETARY
Mr.T.V.REDDY

PRINCIPAL
Dr.K.SREELATHA

HOD
Ms.M.ARSHA REDDY



Dr.D.V.Ramana
Program Manager, Empiezo IT solutions Private Limited &
Academic Advisor of Pallavi Engineering College

A Guest Lecture was conducted for III year students on Artificial Neural Networks by Dr. D.V. Ramana on 2nd February 2023



Antra Hackathon at SOA University



Our students secured at SOA UNIVERSITY on behalf of st.peters Engineering College for selecting in IIT HYDERABAD based ANTRA HACKATHON has secured TOP PLACE IN NATIONAL LEVEL IIT HACKATHON....

'సెయింట్ పీటర్స్' విద్యార్థులకు పురస్కారం

మేడ్చల్: ఐఐటీ హైదరాబాద్, భువనేశ్వర్ ఆధ్వర్యంలో వ్యవసాయం, పాడిపరిశ్రమ, అనుబంధ పరిశ్రమలు, ఆగ్రో ఫారెస్ట్రీ, గ్రామీణాభివృద్ధి సమస్యల పరిష్కారంపై జాతీయస్థాయి హ్యాకథాన్ను ఈ నెల 18న భువనేశ్వర్లో నిర్వహించారు. ఈ వ్యవసాయ డొమైన్ల ప్రదర్శనలో గుండ్లపోచంపల్లి మున్సిపాలిటీ పరిధి మైస మ్యూగూడ సెయింట్ పీటర్స్ ఇంజనీరింగ్ కళాశాల విద్యార్థుల ఆటోమేటిడ్ హార్వెస్టింగ్, పోస్ట్ హార్వెస్టింగ్ సొల్యూషన్ ప్రదర్శన ప్రథమ బహుమతి సాధించింది. ఈ సందర్భంగా కళాశాల యాజమాన్యం వారిని సన్మానించి అభినందించింది. కళాశాల కార్యదర్శి డి.వీ.రెడ్డి, ప్రిన్సిపల్ డాక్టర్ శ్రీలత, డైరెక్టర్లు, అధ్యాపకులు పాల్గొన్నారు.



బహుమతి పొందిన వారిని సత్కరిస్తున్న కళాశాల యాజమాన్య ప్రతినిధులు





Project Name : AGRI AI

Team Members:

- 1) K.Bhupathi Reddy 21BK5A6604
- 2) G.Nihal Reddy 20BK1A6621
- 3) P.Nikhil 21BK5A6605
- 4) D.Gautham Raju 20BK1A6617
- 5) K.Adhi keshav 20BK1A6604
- 6) RLVNSG Sagar 21BK5A6606



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DEPARTMENT OF COMPUTER SCIENCE & MACHINE LEARNING ARTIFICIAL INTELLIGENCE & DATA SCIENCE COMPUTER SCIENCE & DESIGN

The event proceedings were started at January 12th 2023. We have coordinated for every college in the surroundings we have 30 + participants from several colleges including KITSM,SNIST,GRIET etc. The online event for project expo conducted on 3rd February 2023 for 10 + outside colleges. On February 4th, 2023, SPECFIESTA 23 was conducted in St.Peter's Engineering College. The event featured several activities, including a project expo, paper presentation, poster presentation, quiz, and start-up event. The Event was coordinated by M.ARSHA REDDY (Head of department CSM). The aim of the event was to showcase innovative ideas and encourage learning and collaboration among the attendees. The event was Co-ordinated by RLVNSG Sagar of IIIrd year CSM. In this Technical Fest 280+ members were participated .

ENTER TO WIN

EXITING PRIZES

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Department of CSM, AI&DS, CSD

SPECFIESTA 2023

DATE: 4th FEBRUARY 2023

FACULTY COORDINATOR:
M.ARSHA REDDY

STUDENT COORDINATOR:
R.SAGAR

POSTER PRESENTATION
FACULTY COORDINATOR:
MANASA
STUDENT COORDINATOR:
GANESH

TECHNOZARRE
FACULTY COORDINATOR:
T.PRASHANTHI
STUDENT COORDINATOR:
RAMALEELA

PROJECT EXPO
FACULTY COORDINATOR:
DR.DEEPAN
STUDENT COORDINATOR:
CHANDANA

TECH-IT-OUT
FACULTY COORDINATOR:
N.ARUL
STUDENT COORDINATOR:
BHARATH

PAPER PRESENTATION
FACULTY COORDINATOR:
DR.SUSHMA
STUDENT COORDINATOR:
VANDITHA

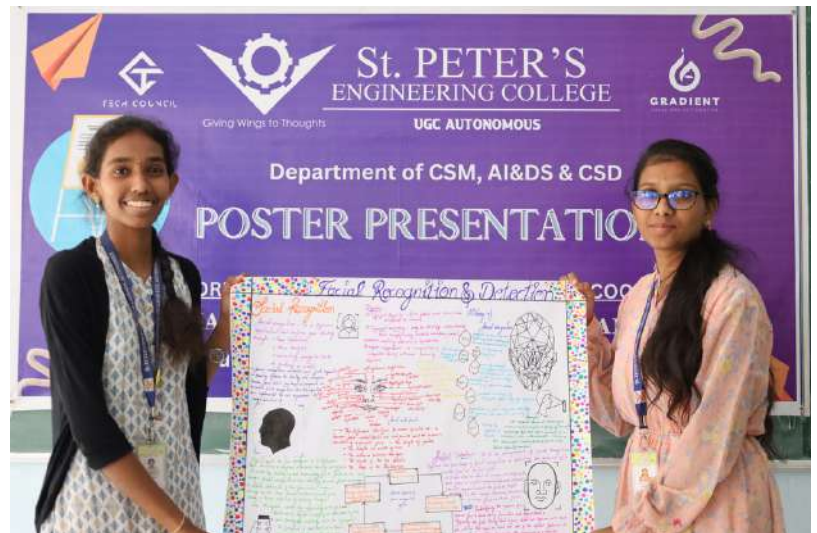
GRADIENT

TECH COUNCIL



Paper Presentation:

The paper presentation session featured research papers on various topics related to technology. The papers were presented by researchers, students, and industry experts. One of the standout papers was on the use of block chain technology for secure and transparent supply chain management. The paper presented a detailed analysis of the advantages of using blockc hain in supply chain management and provided a working prototype of the system. The Paper Presentation was Coordinated by M. Vanditha of IIIrd Year CSM. 61 students from our college and 7 students from outside college were participated.



Poster Presentation:

The poster presentation session featured visual displays of research work, including graphs, charts, and diagrams. The posters covered topics such as renewable energy, data analytics, and artificial intelligence. One of the notable posters was on the use of big data analytics in predicting and preventing natural disasters. The poster presented a visual representation of the data used and the methods employed in analyzing the data.

The Poster Presentation was coordinated by M.S.V.N.S. Ganesh of IIIrd Year CSM. 40 students from our college and one student from outside college have participated.



Tech-it-out (Start-up Event):

The start-up event featured entrepreneurs showcasing their innovative ideas and seeking funding and support. The start-ups covered a range of industries, including e-commerce, healthcare, and education. One of the notable start-ups was a platform that connects patients with healthcare providers in remote areas. The platform uses telemedicine to provide consultations and medical advice to patients who have limited access to healthcare facilities.

The Tech-it-out(Start up event) was Coordinated by G.Bharath Kalyan of IIIrd Year CSM. 47 students from our college and 4 students from outside college were participated.



Quiz(Technozarre):

The quiz was an interactive session that tested the attendees' knowledge of various technical topics. The questions covered a wide range of topics, including programming, database management, and network security. The attendees participated enthusiastically, and the winners were awarded prizes.

The Quiz(Technozarre) was Coordinated by M .Ramaleela of IIIrd Year CSM. 45 students from our college and three students from outside college were participated.



Project Expo:

The project expo was the highlight of the event. Several teams participated in the expo, displaying their projects and demonstrating their functionality. The projects covered a wide range of topics, including AI, robotics, healthcare, and environmental sustainability. One of the notable projects was a smart waste disposal system that uses machine learning algorithms to sort waste and recycle it appropriately. Another project was a smart irrigation system that uses sensors to detect soil moisture and automate irrigation based on the plant's needs.

The Project Expo was coordinated by J. SIRICHANDANA of 3rd Year CSM. 60 students from our college and 15 students from outside college were participated



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“Own Your Development” with AWS

The banner features the college logo on the left, a central text area with the event title, and a photo of the speaker on the right. It also includes a date and time, a calendar icon, and an AWS logo.

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GUEST LECTURE

"OWN YOUR DEVELOPMENT"
with AWS

DEPARTMENT OF CSM

20th FEBRUARY 2023
11:00 AM ONWARDS

Information Technology

Mr. Anirudh Jain Sethia
Sr. Program Manager (APAC Region)
Amazon

A guest lecture was conducted for III year students by Mr. Anirudh Jain regards Own your Development with AWS on 20th February 2023



BVRIT MEDHANVESH 2K23

St. Peter's Engineering College students recently participated in the MEDHANVESH 2023 BVRIT Women Hackathon, held on February 25 and 26, 2023. The hackathon was organized by the BVRIT Women's College of Engineering in Hyderabad and aimed to encourage women's participation in technology and innovation.

Participation:

The St. Peter's Engineering College students participated in the hackathon with great enthusiasm and presented their innovative ideas and solutions to the judges. The team consisted of six students, including three from the computer science and engineering department and three from the electronics and communication engineering department. In this the team from department of CSM has been Secured first position in BVRIT MEDHANVESH 2K23





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Ideas and Innovations:

The team presented two innovative solutions, including a mobile application for mental health and a smart irrigation system for agriculture. The mobile application aimed to provide users with resources and support for managing their mental health and well-being. The team conducted extensive research on mental health and consulted with mental health experts to develop the app.

The team's second solution was a smart irrigation system for agriculture that aimed to address the issue of water scarcity and optimize water usage in agriculture. The team used IoT technology to develop a system that could monitor soil moisture levels and water usage and provide real-time data and insights to farmers.

Recognition:

The St. Peter's Engineering College team's efforts and innovative solutions were well-received by the judges, and they were awarded the FIRST prize in the hackathon. The team's solutions impressed the judges, and they appreciated the students' efforts in using technology for social good.

Conclusion:

The St. Peter's Engineering College students' participation in the MEDHANVESH 2023 BVRIT Women Hackathon is an excellent example of how technology can be used for social good. The team's innovative solutions showcased their creativity and problem-solving skills, and their recognition in the hackathon is a testament to their hard work and dedication. The hackathon also provided an excellent opportunity for the students to showcase their skills and collaborate with other participants, demonstrating the importance of collaboration and teamwork in innovation.



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