



# **ARTIFICIAL INTELLIGENCE AND DATA SCIENCE NEWSLETTER**

**APRIL 2022 VOL.1 ISSUE 1**

## **EDITORIAL BOARD**

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**DEPARTMENT HoD : DR.SWAGATA SARKAR**

# **Vision / Mission of College**

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## **Vision**

To emerge as a “Centre for excellence” offering Technical Education and Research Opportunities of very high standards to students, develop the total personality of the individual, and instill high levels of discipline and strive to set global standards, making our students technologically superior and ethically strong, who in turn shall contribute to the advancement of society and humankind.

## **Mission**

We dedicate and commit ourselves to achieve, sustain and foster unmatched excellence in Technical Education. To this end, we will pursue continuous development of infrastructure and enhance state-of-the art equipment to provide our students a technologically up-to-date and intellectually inspiring environment of learning, research, creativity, innovation and professional activity and inculcate in them ethical and moral values.

## **Quality Policy**

We at Sri Sairam Engineering College are committed to build a better nation through Quality Education with team spirit. Our students are enabled to excel in all values of Life and become Good Citizens. We continually improve the System, Infrastructure and Services to satisfy the Students, Parents, Industry and Society.

# VISION / MISSION OF DEPARTMENT

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## VISION

To emerge as a “Centre of Excellence in the field of Artificial Intelligence and Data Science”, The Department is committed to inculcate discipline, offering best Technical Education and Research Opportunities and ethically strong to meet the global challenges, who in turn shall contribute to the advancement and welfare of the society.

## MISSION

- To produce students with a sound understanding of the fundamentals of the theory and practise of Artificial Intelligence, Machine Learning and Data Science.
- To enable students to become leaders in the Industry and Academia Nationally as well as Internationally
- To meet the pressing demands of the nation in the areas of Artificial Intelligence and Data Science.

## EPITOME OF OUR MISSION

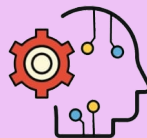
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The Department of Artificial Intelligence and Data Science emerged in the year 2020 in Sai Ram Institutions with the intake of exiguous students. It has now evolved quintessentially with an admirable admission of about 60 aspiring students in 2020 and gradually increasing each year, joining hands with a dedicated team of erudite faculty.

Teaching alone does not make any institution one among the best. Our department finds pleasure in organizing many events throughout the year, some of which are the Symposium, and events like Expert Talk, Hands-on Training, Webinars in association with the IEEE CIS and CT Society. The department makes the students industry-ready with the best training in IoT, Machine Learning, Artificial Intelligence, and other upcoming technologies.

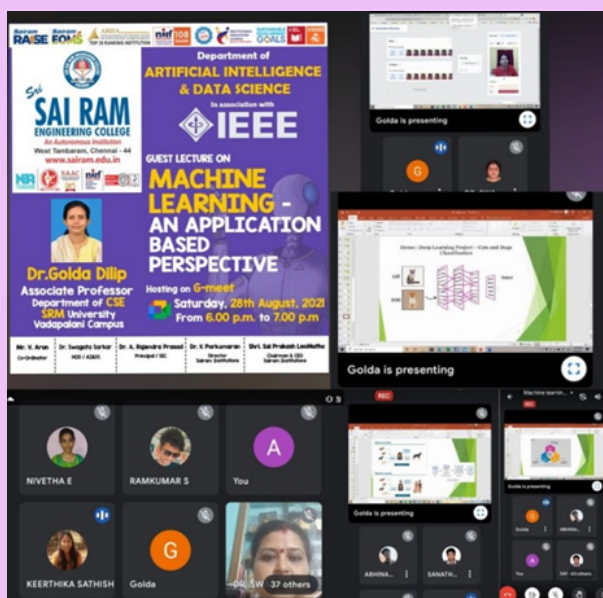
The department of Artificial Intelligence and Data Science proudly presents its first department Symposium AIRO 2K21, a National level technical fest held on October 22 and October 23 of 2K21. It comprises two Technical events Paper Presentation and Ideathon, and two Non-Technical events Quiz, Talent Show.





## EXPERT TALK ON DATA SCIENCE AND ITS APPLICATIONS

The department of AI-DS, in association with IEEE organized its very first department event, Expert Talk on Data Science and its Applications, on the 26th of June 2021 via Google Meet. The expert speaker for this session was Dr. Geetanjali Purswani, Assistant Professor at Christ University, Bangalore. This session kickstarted the enthusiasm of the students, making them all very interested in the field of Data Science and its enthralling use-cases.



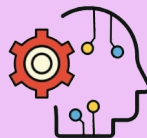
## EXPERT TALK ON MACHINE LEARNING AN APPLICATION BASED PERSPECTIVE

In association with IEEE, the department hosted a guest lecture on Machine Learning and its applications on 28th August, 2021. Our esteemed guest for the session, Dr. Golda Dilip, Associate Professor from the Department of CSE, SRM University - Vadapalani Campus, delivered a wonderful lecture on the topic, shedding some light on what machine learning stood for in today's tech world. It was a very enlightening session with student interaction.

## INAUGURATION OF IEEE COMPUTATIONAL INTELLIGENCE SOCIETY

The IEEE SB & AI&DS department organized an event on the Inauguration of Computational Intelligence Society followed by a webinar on INTELLIGENCE UNIT COMMITMENT WITH VEHICLE TO GRID USING HYBRID OPTIMIZATION TECHNIQUE on 09.09.2021 for the all the students of Sri Sairam Engineering College. The chief guest was Dr. N. Kumarappan Chairman, IEEE Madras Section and CIS Madras Chapter. Then he mentioned on how IEEE helps people on future scope and opportunities in Computational Intelligence. IEEE CIS Chapter Advisor/HOD of AI&DS Dept. thanked Dr. N Kumarappan for his presence during this memorable occasion.





# NATIONAL LEVEL SYMPOSIUM AIRO

**SAI RAM ENGINEERING COLLEGE**  
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**SAIRAM POLYTECHNIC COLLEGE**  
West Tambaram, Chennai - 44

DEPARTMENT OF  
**ARTIFICIAL INTELLIGENCE & DATA SCIENCE**

DEPARTMENT OF  
**COMPUTER ENGINEERING**

**IEEE**

**IEEE CTSoc**

**First National Level TechFest**

**AIRO**

LEAP INTO THE FUTURE

**October 22<sup>nd</sup> - 23<sup>rd</sup>, 2021**

Prize **Rs.50,000/-** worth

Registration Link: <https://linktr.ee/airo2021>

Co-ordinators : Mrs. C. Esther SEC / Mrs. G. Gomathi, SPT

Mr. V. Sivakumar HOD- CS / SPT | Dr. Seegata Sarkar HOD/ AI&DS | Mr. K. Kanagaraj Principal / SPT | Dr. A. Rajendra Prasad Principal | Dr. K. Perumuran Director Sairam Institutions | Shri. Sai Prakash LeoMuthu Chairman & CEO Sairam Institutions

The IEEE SB & AI&DS department organized an National-Level symposium in association with Computational Intelligence Society -- AIRO, Leap Into The Future -- on 22 and 23 October 2021, only a year after the department itself was inaugurated.

Through this symposium, great ideas and talents of students were shared and celebrated.

ALL THE EVENTS WERE CONDUCTED IN ONLINE MODE, THROUGH GOOGLE MEET.

THE SYMPOSIUM COMPRISED OF A SERIES OF 4 EXCITING EVENTS: PAPRESZ (PAPER PRESENTATION), QUIZVID 21 (QUIZ), TALENTINA (TALENT EXPRESSION), AIRO IDEATHON (IDEA PRESENTATION), EVERY EVENT HAD A MINIMUM PARTICIPATION OF 30 MEMBERS, THE HIGHEST PARTICIPATION WAS IN QUIZVID 21 AS IT WAS A NON-TECHNICAL EVENT.

PRIZES WERE AS HIGH AS 50000/- AND BECAUSE OF THE ENTHUSIASM AND DEDICATION OF STUDENTS TO THEIR ENDEAVOURS, IT WAS QUITE DIFFICULT DECLARING A SINGLE WINNER FOR AN EVENT -- SOME EVENTS HAD TWO PEOPLE SHARING SECOND AND THIRD PLACES.

STUDENTS SHOWCASED THEIR TECHNICAL CAPABILITIES AS WELL AS THEIR NON-TECHNICAL TALENTS IN SEVERAL UNIQUE, INNOVATIVE WAYS. THE SYMPOSIUM WAS A GRAND SUCCESS, AND IT COULD NOT HAVE BEEN SO WITHOUT THE SUPPORT OF THE VARIOUS STUDENT ORGANIZERS AND TEAMS, ALL OF WHOM WERE STUDENTS OF THE DEPARTMENT.

AI&DS Dept is presenting

Vignesh

AI&DS Dept

Participant Names	Score	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11
1. SAPTHA RISHI K	22190 (77%)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2. GHANA RADHESH C K	15230 (51%)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3. SURIYAN R	14690 (57%)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4. Sakthivel S	13430 (54%)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5. Yuvraj	11940 (45%)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6. ARAVINDAKSHAN	11770 (45%)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
7. Chir	11680 (44%)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

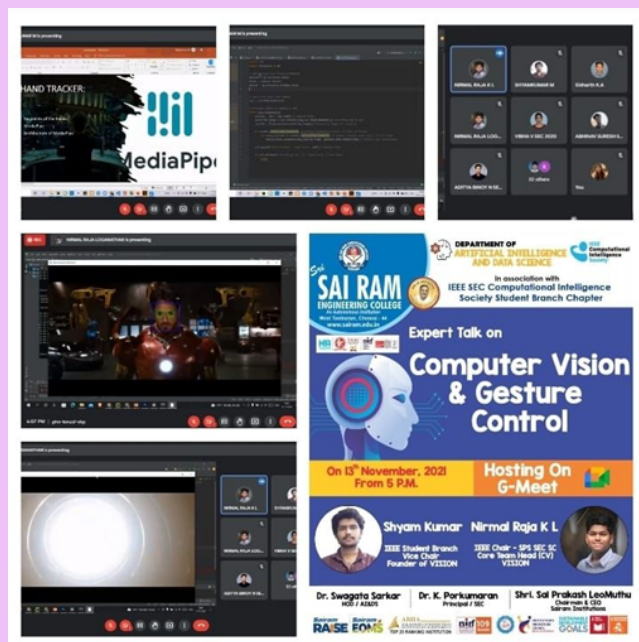
Timestamp	Name	College Name	Email	Whatsapp No	FeedBack	Email Address
10/19/2021 11:22:04	N JAYAPREETHA	SRI SAIRAM ENGINEERING	sec19ec132@sairamap	9884290404	Excellent session	
10/19/2021 11:22:36	Kishorekumar S	Sri sairam engineering	cs.skskishorekumar@gmail	8610422426		
10/19/2021 11:22:38	Keerthana K	Sri Sairam Engineering	sec19ec11@sairamap	9840444912	Session is good	
10/19/2021 11:23:10	KEERTHI U	SRI SAIRAM INSTITUTE	ai20ad01@sairamap	9178114554	well-organized and interesting!	
10/19/2021 11:26:31	Sec201020@sairamap	SRI SAIRAM ENGINEERING	sec201020@sairamap	8638673669	Good	
10/19/2021 11:28:54	JEEVITHA K	SRI VALLIAMAI	jeevithakp@gmail	93454 03353	Nil	sec201020@sairamap.edu.in
10/19/2021 11:29:02	cbi	Sona college of technology	cb2309@gmail.com	9677380796	Good	jeevithakp@gmail.com
10/19/2021 11:29:07	Yuvraj S	National Engineering Col	20130303@nec.edu.in	8680404070	Spr	cb2309@gmail.com
10/19/2021 11:29:08	MANICKAVASAGAM P	BANNARI AIYAN INST	manickavasagam.ec20@b	8754645133		20130303@nec.edu.in
10/19/2021 11:29:09	YOGESH S	BANNARI AIYAN INST	yogesh.ec20@btsathy.ac	7904863451	NICE ONE	manickavasagam.ec20@btsathy.ac
10/19/2021 11:29:12	SOBHA SR	BANNARI AIYAN INST	sohba.ec20@btsathy.ac	6374827551	NICE	yogesh.ec20@btsathy.ac
10/19/2021 11:29:13	NAKTESH P	Avinia School of Engineering	nalesh02@gmail.com	9150299699	good	sohba.ec20@btsathy.ac
10/19/2021 11:29:56	Vignesh C K	Sri Sairam Engineering	C.vignesh2003@gmail	8648682285	enjoyed the quiz	nalesh02@gmail.com
10/19/2021 11:30:40	SUKESH ND	BANNARI AIYAN INST	sukesh.ac20@btsathy.ac	6382988299	Good	cb2309@gmail.com
10/19/2021 11:30:28	SAPTHA RISHI K	Sairam engineering college	saptharishid012020@s	8619857277	Superb, very interested to do this	sec201020@sairamap.edu.in
10/19/2021 11:30:41	Dnya Dhanish G S	Sona College Of Technol	dnyadharesh@gmail	8610969852	It was a very interesting	saptharishid012020@s
10/19/2021 11:30:43	Sanjay S	BANNARI AIYAN INST	sanjay.ac20@btsathy.ac	9694572600	Good	dnyadharesh@gmail





## EXPERT TALK ON INTRODUCTION TO IEEE

The IEEE SB & AI&DS department organized a webinar on Introduction to IEEE on 05 November 2021 for all the students of Sri Sairam Engineering College. The Chief Guest for the event was Adithya Subramani, IEEE student branch chairperson and he briefly explained about IEEE. Overall it was an amazing webinar and very interesting to know about IEEE. It would have benefited everyone.



## EXPERT TALK ON COMPUTER VISION & GESTURE CONTROL

The IEEE SB & AI&DS department organized an event on the Inauguration of Computational Intelligence Society followed by a webinar on COMPUTER VISION AND GESTURE CONTROL on 13.11.2021 for the all the students of Sri Sairam Engineering College. The chief guest Shyam Kumar M explained about how images are classified, Neuron Model training, Image classification vs Object Detection, YoloV5 software and applying YoloV5 on a video. Over all it was an amazing webinar and very interesting to work on with. It would benefit all who are interested onto it.

## EXPERT TALK ON ARDUINO BOARD

The department of AI-DS and the IEEE SEC Computational Intelligence and Society Student Branch brought forth a wonderful expert talk session on an asset well known to all engineers – the Arduino board. The session was hosted on Google Meet, with R.G. Sharath Kumar, Founder of SENTER and IEEE SB Communication Society Chair as the expert speaker. The session broke a lot of myths about the usage of the Arduino board and instilled confidence in students to use the Arduino for their future projects.





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**Physical filing at the Patent Office**



**Electronic Filing (July 20,2007)**



**Patentable subject matter**

- Any article, apparatus or machine or composition of matter or process or product, pharmaceutical product
- Any substance whether living or non-living or any process or product, pharmaceutical product
- Any composition of matter, pharmaceutical product
- Any process, manner or art of manufacture or composition of matter or process or product, pharmaceutical product

## HANDS ON TRAINING ON MATLAB AND SCILAB

The IEEE SB & AI&DS department organized a Hands on Training on MATLAB and SCILAB on 24 Nov 2021 & 25 Nov 2021 for all the students of Sri Sairam Engineering College. The Chief Guest for the event was DR. S Sumathi & DR. Swagata Sarkar. The chief guest deeply explained about MATLAB and SCILAB, gave a brief description of those software and their application in many areas. Overall it was an amazing webinar and very interesting to know about MATLAB & SCILAB. It would have benefited everyone.

# HANDS ON TRAINING BOOTCAMP ON IOT FROM LEMA LABS

The IEEE SB & AI&DS department organized a Bootcamp on IoT on 26 November 2021 for all the students of Sri Sairam Engineering College at Gamma Hall. The Chief Guest for the event was Mr. Parthiban A, head and Business Development at LEMA LABS which is incubated in IIT Madras Research Park. The chief guest explained about IoT. It was really interesting and showed many applications in IoT. Overall, it was an amazing Bootcamp and very interesting to know about IoT. It would have benefited everyone.





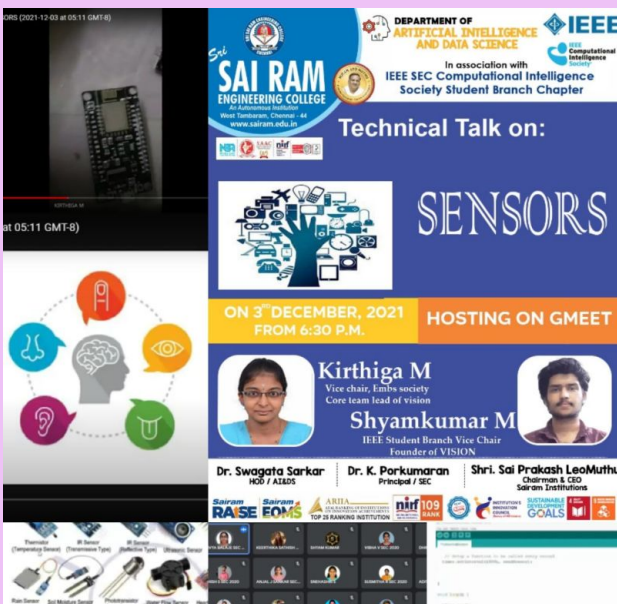


## WEBINAR ON DATA ANALYTICS

The IEEE SB & AI&DS department organized an Expert Talk on Data Analytics 26 November 2021 for all the students of Sri Sairam Engineering College in online mode. The Chief Guest for the event was Dr. Soma Prathibha. IEEE Computer Society-SBC, Chapter Advisor. The chief guest briefly explained about Data Analytics. She also explained the difference between Data scientist and Data Analytics Presented and showed her works in the field of Data Analytics and cleared various doubts asked by the participants. Overall, it was an amazing expert talk and very interesting to know about Data Analytics. It would have benefited everyone.

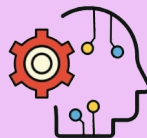
## HANDS ON TRAINING ON PCB DESIGN

An engineer must be well-versed with both hardware implementation and software implementation in order to excel and innovate. PCB Design is a familiar concept to most engineering students, and, through the efforts of the department, familiar to AI-DS department's young minds! A Hands-on training session on PCB Design was organized for the students, and the trainer, Dinesh Kumar, a seasoned professional, gave the students an industry perspective of PCB to the students. It was a very innovative 3-day workshop from 30th November 2021 to 2nd December 2021, and left the students abuzz with excitement and innovative ideas.



## TECHNICAL TALK ON SENSORS

The IEEE SB & AI&DS department organized an event by Computational Intelligence Society conducted a webinar on SENSORS on 03.12.2021 for the all the students of Sri Sairam Engineering College. The chief guest Shyam Kumar M and Krithiga explained about What is sensors. They gave the basic information about sensors and how sensors it is related to AI, ML and deep learning. They also explained us about the facts, explained about different types of sensors used in our day-to-day life. They also explained about basic boards used along with sensors and explained how it is connected and used with a demo model. It was an amazing session and learned a lot about sensors. Over all it was an amazing webinar and very interesting.



## EXPERT TALK ON LEADERSHIP

The IEEE SB & AI&DS department organized an event by Computational Intelligence Society conducted a webinar on LEADERSHIP on 10.12.2021 for the all the students of Sri Sairam Engineering College. The chief guest Balaji Rajendran, Founder & CEO Softrate India, Chennai, explained about leadership. He is an energetic person who delivers high energy key notes. Effective leaders focus on developing their emotional intelligence, Goode says. Leaders that work to refine this quality are more adaptive, resilient, and accepting of feedback from others. They are also effective listeners and open to change. He made to understand that a leader is a one set goals, prioritize goals, and take responsibility for accomplishing them. Over all it was an amazing webinar and very interesting.

## INAUGURATION OF IEEE CONSUMER TECHNOLOGY

The inauguration of IEEE Consumer Technology Society, in association with Dept of Artificial Intelligence and Data science was hosted on 15th December 2021, with Dr. Supavadee Aramvith, IEEE CT BOG member, Thailand as expert talker. Students from Artificial Intelligence department and ECE were given various positions to lead the society. The speaker spoke about Deep Learning based Image Super Resolution which was very helpful for the students. This inauguration of another new society in our college shows the proudness of college as having many IEEE society is not eligible for every institution.



## HANDS ON TRAINING ON JAVA

The IEEE SB & AI&DS department organized an Hands on Training on 26 January 2021 for all the students of Sri Sairam Engineering College in online mode. The Chief Guest for the event was Ms. B Renuka Devi. She is Associate Professor in IT Department. She had done an expertise in JAVA Programming. She trained the students using the Skillrack platform. She gave a basic knowledge about JAVA. Overall, it was an Hands on Training Session and very interesting to know about JAVA. It would have benefited everyone.







## NATIONAL LEVEL WORKSHOP ON NANO SATELLITE

The IEEE SB & AI&DS department organized an Hands on Training on 26 January 2021 for all the students of Sri Sairam Engineering College in online mode. The Chief Guest for the event was Ms. B Renuka Devi. She is Associate Professor in IT Department. She had done an expertise in JAVA Programming. She trained the students using the Skillrack platform. She gave a basic knowledge about JAVA. Overall, it was an Hands on Training Session and very interesting to know about JAVA. It would have benefited everyone.



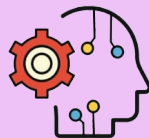
## TALK ON SDG & ITS IMPLEMENTATION WITH SOCIAL ENTREPRENEURSHIP

This was a very interesting session, unlike the ones that were conducted in the department before. Every Sairam student knows the importance of the 17 Sustainable Development Goals, but our Chief Guests for the event 'SDG and its implementation with social entrepreneurship', Mr. P.P. Shreyas, and Mr. Markedan Maharajan from YouthLife Global, completely transformed the outlook of the students towards entrepreneurship linked with SDGs. It was a very interactive, fun session filled with lots of witty learning and fun.

## EXPERT TALK ON HOW TO PLAN START-UP AND LEGAL & ETHICAL STEP

In association with IEEE CT society as well as the IPR Cell, the department of AI-DS hosted an Expert Talk on Startups on 5th March, 2022, with our beloved HOD, Dr. Swagata Sarkar as the expert speaker. Startups are not easy, and there are various legal and ethical concerns while coming up with a business and product idea for commercialization. Through this session, students gained a grasp on all the steps to plan a start-up, and they gained a lot of exposure too.





## TECH TALK ON INNOVATION IN INDUSTRIAL AUTOMATION

With the growing demand of more AI Integration in Industry, it is the need of the hour for young engineers to understand the scope for innovation in the same field. The department of AI-DS organized an Expert Talk on Innovation in Industrial Automation from an AI Perspective on 11th March, 2022, with Dr. K Renganathan, Head of Department of EIE of our institution. The session was very interesting and informative to all the students, as we got to know about the trends in the industry and how we as AI engineers play an important role.



## WORKSHOP ON HANDWRITTEN DIGITS RECOGNITION USING ML

The IEEE SB & AI&DS department organized a Hands-on training on HANDWRITTEN DIGITAL RECOGNITION USING MACHINE LEARNING on 5th and 6th march 2022. The chief Guest for the event was Mr. Pawan Sir, an educational enthusiast who strongly believes that education is for all. On Day 1, He taught the basics of Machine learning and their types, then Linear Regression Problem, python programming basics, Gradient Descent Algorithm and A model for House price prediction in a platform Google Collab or Jupyter. On Day 2, He taught about Classification problems, Logistic Regression Model, introduction of python libraries Scipy and Scikit, A basic knowledge of Handwritten Digital recognition, conversion of images to raw data, then raw data to CSV, At last Accuracy prediction and Optimization. Overall, it was a Wonderful Hands-on training and very interesting to learn about the HANDWRITTEN DIGITAL RECOGNITION USING MACHINE LEARNING. The participation certificate has been provided for every student.

## HANDS ON TRAINING ON SATELLITE COMMUNICATION

The IEEE SB & AI&DS department organized a 2 days Hands on Training on Nanosatellite Communication on 29th & 30th March 2022, exclusively for the department students. The panel of Chief Guests for the event were Ms. Krithiga R S, HR & Research Executive at Jet Aerospace Aviation, Ms. Arul Jyothi, Administration, Jet Aerospace Aviation, Ms. Priyanka Research Project Associate, and Mr. Anirudh, Research Intern. The session started with Ms. Krithiga RS explaining about Satellites, giving a brief view of the software and their applications. This was followed with a hands-on training with kits to develop a Nano Satellite. Overall it was a wonderful hands-on training developing a Nano Satellite







## HANDS ON TRAINING ON ARDUINO

TechnoRasie, a start-up in started in association with AI&DS department conducted a hands on training on Arduino for school and polytechnic students on 31st March and 1st April. The best part of this training is the entire session was managed by students of AI&DS. On first day students from various schools participated in the session along with their respective class teachers. The trainers provided an interactive session by involving each and every student enthusiastically. Various version of Arduino was provided hands on for the students. Each and all doubts were noticed and cleared instantly by the team. At the end of the session trainers received very nice feedback from the students and teachers. At the second day the session was equally interactive for polytechnic students and all of them enjoyed the session very much. The event ended with a good group photo.



## HANDS ON TRAINING ON PHOTOSHOP

The IEEE SB & AI&DS department in association with Sairam Robotics Club organized an awareness session on Photoshop and conducted a photoshop competition on 19 February 2022 for the students of Sri Sairam Engineering College. The student trainer Abhinav explained the basics tools in Photoshop, and the functions of every tools present in it and told how the poster can be made from this software. Next Hemanth showed a live example on how to do a poster by making a replica of one poster, showed the real example on how to use the required tools. The participants enjoyed the event and a photoshop competition was conducted and the deadline was 26 February 2022. Overall it was an amazing training session and very interesting. It would have benefited everyone

## EXPERT TALK ON KAGGLE

The department of Artificial Intelligence and Data Science conducted an Expert Session on Kaggle on 8th April, a popular data science and machine learning website for data science enthusiasts. The Expert for the session, Mr. Manoj Prabhakar, is a Data Scientist for Philips and also a Kaggle Competition Expert. He gave us a step-by-step tutorial on how to use and browse through the Kaggle website and how we can use the website to work on datasets. This session benefitted many students, who got their doubts cleared about using the website.





## EXPERT TALK ON PREPARATION FOR CORE COMPANY PLACEMENT

On 9th September the first department event in the classroom of the 2nd year students was this Expert Talk on Preparation for Core Company Placement, delivered by Mr. B Rajapandian, Associate Professor of the EIE Department. He spoke to us about the expectations that every company would have from us, the students of a new and innovative branch such as AI and Data Science, and gave us key insights on how we were supposed to build our professional identities and specializations in time for placements.

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE  
In association with **IEEE**

**EXPERT TALK ON PREPARATION FOR CORE COMPANY PLACEMENT**

**Mr. B Rajapandian**  
Associate Professor/EIE

**On Thursday 9<sup>th</sup> September, 2021 at 9:50 A.M.**  
Venue: Department Classroom A3102

Dr. Swagata Sarkar (HOD / AI&DS) | Dr. A. Rajendra Prasad (Principal / SEC) | Dr. K. Porkumaran (Director Sairam Institutions) | Shri. Sai Prakash LeoMuthu (Chairman & CEO Sairam Institutions)

## EXPERT TALK ON CLUBS AND CELLS AT SAIRAM

The next session on 9th september was an Expert Talk on the Clubs and Cells at Sairam, with Ms. B Renukadevi, Assistant Professor of IT department visiting the classroom as the speaker. She brushed upon things that we already knew about clubs and cells at our campus, along with detailed responsibilities of club members and department representatives. It showed the students how much work is being out into organizing a simple club activity, even if it is a virtual event, and how much student cooperation is required for active participation in events. Teamwork really makes the dream work, and teamwork in clubs really takes students places.

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE  
In association with **IEEE**

**EXPERT TALK ON CLUBS AND CELLS AT SAIRAM**

**Ms. B. Renukadevi**  
Assistant Professor/IT

**On Thursday 9<sup>th</sup> September, 2021 at 10:55 A.M.**  
Venue: Department Classroom A3102

Dr. Swagata Sarkar (HOD / AI&DS) | Dr. A. Rajendra Prasad (Principal / SEC) | Dr. K. Porkumaran (Director Sairam Institutions) | Shri. Sai Prakash LeoMuthu (Chairman & CEO Sairam Institutions)

## EXPERT TALK ON OVERVIEW ABOUT PALS

PALS is a well-known educational initiative by volunteers from Alumni Fraternity of various IIT's, for the benefit of students of engineering colleges in Tamil Nadu, and Sairam Institutions have reputed name as a PALS-supportive institution. The students were spoken to by Dr. T Porselvi of the EEE Department, who is also the PALS coordinator for our institutions. The students got to know about the various opportunities that PALS provided for students as well as faculty, all working towards a friendly, supportive, industry environment at the college-level that would also extend into their professional lives.

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE  
In association with **IEEE**

**EXPERT TALK ON OVERVIEW ABOUT PALS**

**Dr. T. Porselvi**  
Professor/EEE

**On Thursday 9<sup>th</sup> September, 2021 at 11:45 A.M.**  
Venue: Department Classroom A3102

Dr. Swagata Sarkar (HOD / AI&DS) | Dr. A. Rajendra Prasad (Principal / SEC) | Dr. K. Porkumaran (Director Sairam Institutions) | Shri. Sai Prakash LeoMuthu (Chairman & CEO Sairam Institutions)





## EXPERT TALK - KNOW ABOUT SAIRAM

Having missed out on the usual first year orientations due to the pandemic situation, and having online classes, we as students were not much aware about our college's history and environment. All that changed with this session, delivered by Dr. A Rajendra Prasad, former Principal of Sairam Engineering College, and present Dean (Student Affairs), who told us anecdotes about the history of the institution and the various milestones that it has achieved over the years. The students really enjoyed having a chance to interact with such an eminent personality who knew the college like the back of his hand.

**SAIRAM ENGINEERING COLLEGE**  
An Autonomous Institution  
West Tambaram, Chennai - 44  
www.sairam.edu.in

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE**  
In association with **IEEE**

**Expert Talk on**  
**KNOW ABOUT SAIRAM**

**Dr. A. Rajendra Prasad**  
Principal  
Sairam Engineering College

**Department Classroom A3102**

**On 13<sup>th</sup> September 2021, From 9:50 to 10:40**

Dr. Swagata Sarkar: Dr. A. Rajendra Prasad: Dr. K. Porkumaran: Shri. Sai Prakash LeoMuthu  
HOD / AI&DS Principal / SEC Director Sairam Institutions Chairman & CEO Sairam Institutions

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**DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE**  
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**EXPERT TALK ON**  
**Awareness about Unnat Bharat Abhiyan & SDG Implementation**

**Dr. S K Uma Maheswaran**  
Professor / Maths

**On Monday 13<sup>th</sup> September, 2021 at 10:55 A.M.**  
**Department Classroom A3102**

Dr. Swagata Sarkar: Dr. A. Rajendra Prasad: Dr. K. Porkumaran: Shri. Sai Prakash LeoMuthu  
HOD / AI&DS Principal / SEC Director Sairam Institutions Chairman & CEO Sairam Institutions

## EXPERT TALK ON AWARENESS ABOUT UBA & SDG

Unnat Bharat Abhiyan - UBA - is a recent initiative by the Ministry of Education that aims to focus on the development of rural sectors in order to bring about a big transformative change in the country, and the students of the department got to know all about it in this session from Dr. SK Uma Maheswaran, UBA Coordinator and Professor of the Maths department of our college since its inception. This session also highlighted the importance of the 17 SDGs and how they can be implemented in our projects for rural development. The students got a fresh perspective on how to serve the society with their projects.

## EXPERT TALK ON BUSINESS MODELLING

This session sparked the interest of our business-oriented students. Dr. Dinesh from the MBA Department took on this session and turned it into something really interesting. There was a discussion about the business struggles and foundations of now-famous Ola, Swiggy, and Red Bus, and the students realized that starting a business is not just a struggle, but also a rewarding experience as long as you are motivated to your cause and to your product. Everyone really enjoyed the session.

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**DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE**  
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**EXPERT TALK ON**  
**Business Modelling**

**Dr. Dinesh**  
Professor / MBA

**On Monday 13<sup>th</sup> September, 2021 at 11:45 A.M.**  
**Department Classroom A3102**

Dr. Swagata Sarkar: Dr. A. Rajendra Prasad: Dr. K. Porkumaran: Shri. Sai Prakash LeoMuthu  
HOD / AI&DS Principal / SEC Director Sairam Institutions Chairman & CEO Sairam Institutions



## EXPERT TALK ON TALENT ENABLERS AT SAIRAM

The next session had Dr. K Sumathi of the ECE Department talk to the students about the various technical talent opportunities at Sairam. Though the students were told about the various platforms like Skillrack, Nasscom FutureSkills, NPTEL and Coursera, it was informative hearing it from Sumathi ma'am, who told us about the various opportunities that our seniors and institution alumni were able to avail because of these talent-enabling platforms. This session really made students think twice about their Skillrack performances and their activities on other platforms.

## EXPERT TALK ON OVERVIEW ON LIVE IN LAB

Live in Lab was a new incentive as a part of the autonomous curriculum of the institution, and we had Dr. J. Raja, Dean Academics and HOD of the ECE Department, tell us all about the significance of Live in lab projects on 14th september 2021. As budding engineers who were also motivated to come up with projects that would fall under implementation of SDG goals, the live in lab sessions would be quite useful for those of us who wanted to develop projects for patents, and even startups. Live in lab quite literally meant that we, engineers, lived in our project labs! After this insightful session, students were inspired to work on their various project ideas for Live in lab, an initiative that is much-needed in this techie industry.

## EXPERT TALK ON UNDERSTANDING OF SELF CONCEPT

It is understood that, as technical students, our focus must always be on technical news, accomplishment and projects, but all of this hustle and bustle makes us forget to understand ourselves before we understand the industry. This session on the Understanding of Self Concept by Dr. K. Maran was a much-needed one for the students after all the jam-packed sessions we'd had. Dr. Maran made us ask questions about ourselves, our interest and our moral values. It certainly had the students introspect and think about their own interests, values and goals as an individual, as well as a technical student and engineer.





## EXPERT TALK ON AWARENESS ABOUT IIC

The next session on 14th september was on Awareness about IIC – Institution Innovation Council – by Dr. K. Rengenathan, HOD of the EIE Department, He shared anecdotes about previous IIC events and what IIC's vision and mission for every institution was. It was a very fruitful, informative session that the students enjoyed

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE  
In association with **IEEE** INSTITUTION'S INNOVATION COUNCIL

**EXPERT TALK ON Awareness about IIC**

**Dr. K. Renganathan**  
HOD / EIE

On Tuesday 14<sup>th</sup> September, 2021 at 1:25 P.M.  
Department Classroom A3102

Dr. Swagata Sarkar: HOD / A&DS | Dr. A. Rajendra Prasad: Principal / SEC | Dr. K. Porkumaran: Director Sairam Institutions | Shri. Sai Prakash LeoMuthu: Chairman & CEO Sairam Institutions

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On the Occasion of **Engineers' Day**

**EXPERT TALK ON Know How To INNOVATE?**

**Dr. C. R. Rene Robin**  
Dean Innovation

On Wednesday 15<sup>th</sup> September, 2021 at 9:50 A.M.  
Smart Class

Dr. Swagata Sarkar: HOD / A&DS | Dr. A. Rajendra Prasad: Principal / SEC | Dr. K. Porkumaran: Director Sairam Institutions | Shri. Sai Prakash LeoMuthu: Chairman & CEO Sairam Institutions

## EXPERT TALK ON KNOW HOW TO INNOVATE

On account of Engineer's Day on 15th september, the students had an interactive session with Dr. Rene Robin, Dean Innovation, on.. Innovation! The session took place in the Smart Classroom, a nice change of scenery from staying in the classroom all day. There were interactive discussions about innovation, and some students also spoke about their live-in-lab and ideathon projects from the previous semester. We had a wonderful time with Dr. Rene Robin, and the session was extremely insightful.

## EXPERT TALK ON AWARENESS ABOUT HUMAN VALUE ETHICS & MORAL

The session that followed was headed by Mr. Manikandan, Associate Professor from the Chemistry Department, who had also handled a subject for us in the previous semester. Human Values, Ethics and Morals are things that we are taught in our value education classes and skill development classes in school and lower college semesters, but having an interactive session with inspirational videos about the same was a totally different experience. This was a really fun and exciting session that capped off the exciting start of the 3rd semester, and students were facing the new semester with boundless energy and excitement!

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**EXPERT TALK ON Awareness about Human Values Ethics & Moral**

**Mr. Manikandan**  
Associate Professor / Chemistry

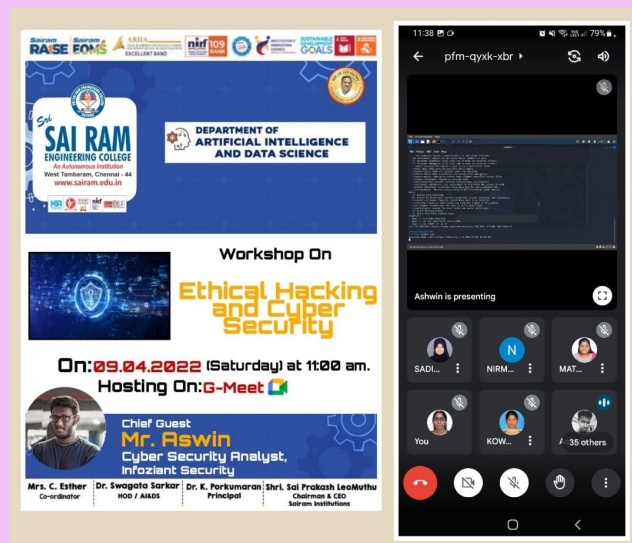
On Wednesday 15<sup>th</sup> September, 2021 at 10:55 A.M.  
Department Classroom A3102

Dr. Swagata Sarkar: HOD / A&DS | Dr. A. Rajendra Prasad: Principal / SEC | Dr. K. Porkumaran: Director Sairam Institutions | Shri. Sai Prakash LeoMuthu: Chairman & CEO Sairam Institutions



## WORKSHOP ON ETHICAL HACKING AND CYBERSECURITY

The Department of Artificial Intelligence and Data Science organized an Online Workshop on Ethical Hacking and Cyber Security on 9th April 2022 exclusively for all the AI-DS department students of Sri Sairam Engineering College in online mode. The Chief Guest for the event was Mr. Ashwin. He is a cyber security analyst in Infoziant Security. He started with introduction to simple programming and then gave a brief explanation on Cyber Security and Ethical Hacking. He also showed live executable codes. Overall it was a very useful and interesting session as he taught the basics of the topic. Everyone would have benefited from the session and gained basic knowledge on Cyber Security and Ethical Hacking.



## WEBINAR ON WHAT, HOW AND WHY OF DS AND AI

The Department of AI&DS, in association with IEEE CIS and CT Societies organized an interactive seminar on What, How and Why of DS & AI, partnering with Data Science தமிழ். The seminar was held on the 1st of April. The Chief Guests were the core members of the company Data Science தமிழ், the speaker being Mr. A. Melcose, the founder of the company. He provided us with useful insights on data science practices and tools, and also gave us some industry tips when it came to choosing our specialized domains in data science. Student attendance for the event were also varied - students from department of AI&DS, CSBS, and CCE from SEC and SIT attended. Everyone really enjoyed the session, as it was interactive and kept things real with respect to what the industry truly requires from future data scientists. Overall, it was a very interesting session that benefitted all the students who attended.

## SEMINAR ON WHY TO LEARN TO BECOME AN EXPERT IN DATA SCIENCE AND AI

The department of Artificial Intelligence and Data Science conducted an Expert Talk on Data Science. The Expert for the session is Mr. Melcose, is a Data Scientist. The expert speaker has taught about the basics of Data Science and what are the fields that data science plays a major role in. He also explained about the various software used for data science. He explained to students about the data science in their comfortable language that is understood by all. He also taught us about the python functions used in data science along with data sets. Students were interactive and students were actively participating. This session benefitted many students, who got their doubts cleared about data science.



***Thank  
you!***