

ARTIFICIAL INTELLIGENCE

AND

DATA SCIENCE

NEWSLETTER

THE ARTIFICIAL INTELLIGENCE

January 2023, Volume 2, Issue 1

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Vision / Mission of College

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 instil 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

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.



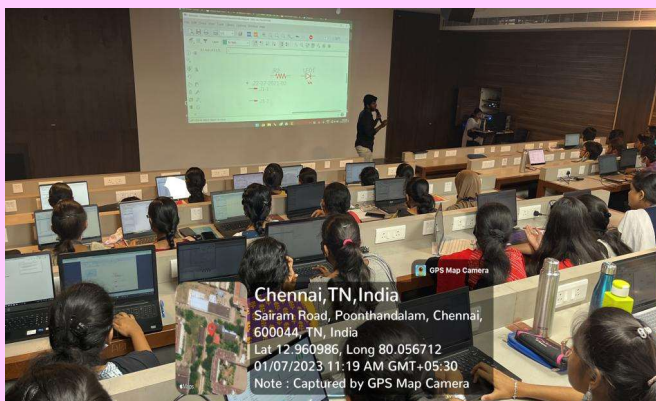
EPITOME OF OUR MISSION

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, 120 in 2021, 180 in 2022 and gradually increasing each year, joining hands with a dedicated team of erudite faculty.



SKILLING PROGRAM ON PCB DESIGN

The department of AI-DS, in association with AICTE-IDEA Lab, is the first event of the year and was conducted from 6th January 2023 to 11th January 2023 around 3 hours on each session in innovation lab. The expert speaker for this whole session was Mr. Sugunesh and Ms. Suba, 3rd year EEE department of Sri Sairam Engineering college.



This session kickstarted the enthusiasm of the students, making them all very interested in the field of Electronics and PCB design.

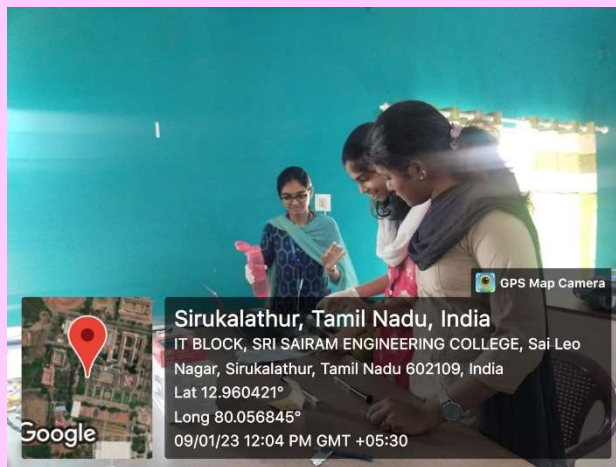
DAY 1 & 2:

In the first day the speaker gave a overall idea of the whole event, generalised basic information about how PCBs work and about the rules of PCB designing. On day 2, The speaker gave insights on the EAGLE software and how to use it, and made us design a circuit on the





software letting us wander into the software.



DAY 3, 4& 5:

On the remaining days, the students got a hands-on training on how to make a PCB for easy and in DIY manner, which turned out to bring many students into PCB designing!

HANDS-ON TRAINING ON DATA SCIENCE TOOLS

The International Society for Technology in Education (ISTE) recently conducted a sponsored 5-day online faculty training program on data science tools. The program was designed to provide hands-on experience and training to educators in the field of data science.

The event was well-received and attended by educators within the institution. The program featured five expert speakers, each bringing unique perspectives and experiences to the training. **Mr. Sanjay Hotwani**, Senior Manager of Data Science, discussed Data Analysis using Python. **Mr. B. Ashvanth**, Senior Associate of Technology Operations at Mass Mutual India, covered Data Analysis using Tableau. **Mr. Anson KJ**, Assistant Professor of Commerce at CHRIST (Deemed to be University), spoke on Data Analysis using KNIME.

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DEPARTMENT OF
ARTIFICIAL INTELLIGENCE & DATA SCIENCE

Sairam

Cordially invite you for the
ISTE Sponsored
Virtual 5 Days FDP & Hands-on Training on
DATA SCIENCE TOOLS
23.01.2023 - 28.01.2023

HONOURABLE SPEAKERS

Mr. SANJAY HOTWANI
Senior Manager, Data Science
Topic: Data Analysis using Python

Mr. B. ASHVANTH
Senior Associate, Technology Operations
Mass Mutual India
Topic: Data Analysis using Tableau

Mr. ANSON K J
Assistant Professor, Commerce
CHRIST (Deemed to be University)
Topic: Data Analysis using KNIME

Mr. U. JAYACHANDIRAN
Assistant Professor, AI&DS
Sri Sairam Engineering College
Topic: Data Analysis using Power BI

Mr. S. SIVAMURUGAN
Assistant Professor, AI&DS
Sri Sairam Engineering College
Topic: Data Analysis using WEKA

Zionna Sen G B Co-ordinator
Dr. Swagata Sarkar HOD/AI&DS
Dr. K. Porkumaran Principal
Dr. Sai Prakash LeoMuthu Chairman & CEO Sairam Institutions



Mr. U. Jayachandiran, Assistant Professor of AI-DS at Sri Sairam Engineering College, covered Data Analysis using Power BI. Finally, Mr. S. Sivamurugan, Assistant Professor of AI-DS at Sri Sairam Engineering College, discussed Data Analysis using Weka. The hands-on nature of the training allowed participants to put their newly acquired knowledge into practice and gain practical skills in data science.

The event covered a range of topics, including data collection, analysis, and visualization, as well as machine learning and deep learning algorithms.

In conclusion, the 5-day online faculty training program on data science tools was a success, providing valuable insights and practical skills for educators. The event set the foundation for incorporating data science into curricula and furthering the development of data science education. The diverse perspectives of the speakers allowed for a comprehensive understanding of the various tools used in data analysis and their applications in industry and academia.

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Sai Leo Nagar, West Tambaram, Chennai - 600 044. www.sairam.edu.in

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

5 days Workshop on Design and Development of Products

From 24/1/2023 to 28/1/2023
Time: 9:00am to 4:00pm
Venue: Jaigopal Garodia National Higher Secondary School

Trainers

1.S.C.SUDHARSAN	4.HARISH PICHUMANI
2.GANESHAN M	5.KOWSALYA R
3.AKSHAYALAKSHMI	

Dr. Swagata Sarkar
Head/AI-DS

Dr. K. Porkumaran
Principal

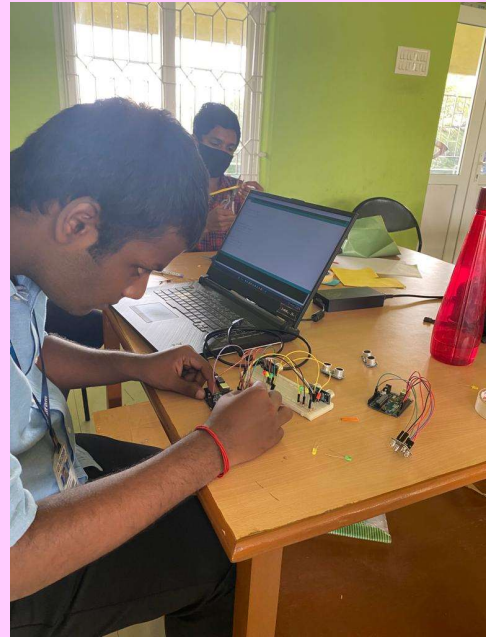
Shri. Sai Prakash LeoMuthu
Chairman & CEO
Sairam Institutions

DESIGN AND DEVELOPMENT OF PRODUCTS A 5-DAY WORKSHOP

The 5-day workshop aimed at providing the students of Jaigopal Garodia National Higher Secondary School with an in-depth understanding of Design and Development of Products. The workshop was conducted by a team of experienced trainers including S.C. Sudharsan, Ganeshan M, Akshyalakshmi, Harish Pichumani, and Kowsalya R.



The students were taught how to accomplish various tasks related to Design and Development of Products using IOT. The trainers used interactive and practical methods to explain the concepts to the students, who were highly engaged and participated actively in the sessions. The students were also given hands-on experience with real-life projects to help them understand the practical applications of the concepts they learned.



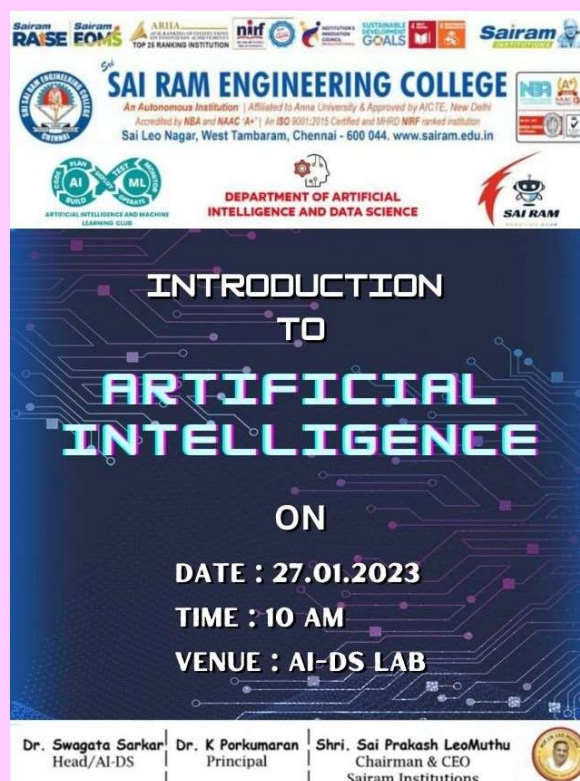
The workshop received positive feedback from both the students and the trainers. The students appreciated the interactive and practical approach of the trainers and expressed their gratitude for the knowledge they gained during the workshop. The trainers were impressed with the students' enthusiasm and their eagerness to learn.

In conclusion, the 5-day workshop on Design and Development of Products was a great success. It provided the students of Jaigopal Garodia National Higher Secondary School with valuable knowledge and hands-on experience in the field of Design and Development of Products using IOT. The trainers and the students both benefited from the workshop and it is hoped that this will lead to further collaborations between the school and the trainers.



INTRODUCTION TO ARTIFICIAL INTELLIGENCE

The event was held at the AI-DS Lab on 27th January 2023 at 10 AM with the purpose of introducing the concept of Artificial Intelligence (AI) to a group of first-year students from the Artificial Intelligence and Data Science Department. Swagata Sarkar ma'am also spoke about the current state of AI and its impact on various industries such as healthcare, finance, and transportation. The speaker for the event was Swagata Sarkar, who is the Head of Department (HOD) of the same department. The event was a great success and provided a comprehensive introduction to the world of Artificial Intelligence. The speaker was able to effectively communicate the key concepts of AI and its applications, making it an engaging and informative experience for the audience. The students expressed their gratitude for the opportunity to learn about AI from such an experienced and knowledgeable speaker. The event has set a strong foundation for the students in their journey to become experts in the field of Artificial Intelligence and Data Science.



FACULTY DEVELOPMENT PROGRAMME ON PHP WITH MYSQL

The faculty development program on PHP with MySQL was conducted from 30th January 2023 to 3rd February 2023 as an online and self-paced learning event exclusively organized for Sairam faculty members. The program aimed to provide the participants with a comprehensive understanding of PHP and MySQL and its applications in web development, with the primary objective of equipping them with the



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DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE

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Cordially invite you for the
Faculty Development Programme on PHP with MySQL

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Specially Organized Only For **SAIRAM FACULTIES (SEC/SIT)** Teaching and Non-Teaching

Course Contents will be provided on a daily basis on the above mentioned days in Google Class Room and tests will be conducted at the end of course.

On successful completion of FDP,
The Certificates will be provided by IIT Bombay Spoken Tutorial

S Sivamurugan Co-ordinator
Dr. N Sivakami IT-BOMBAY SPOKEN TUTORIAL SPOC
Dr. Swagata Sarkar HOD/A&DS
Dr. K. Porkumaran Principal
Dr. Sai Prakash LeoMuthu Chairman & CEO Sairam Institutions

knowledge and skills required to develop dynamic and interactive web applications. The program consisted of online lectures, hands-on exercises, and practical projects, covering topics such as PHP basics, working with variables and operators, arrays, functions, forms, database connectivity, and advanced topics such as security and performance optimization.

The participants appreciated the self-paced learning approach and the practical approach of the program, which provided them with hands-on experience and real-world applications of PHP and MySQL.

Upon successful completion, the participants received a certificate from IIT Bombay Spoken Tutorial, recognizing their achievements in the program.



THANK

YOU