ROBOTIC CLUB - ANNUAL REPORT
Academic Year 2022-2023

S.No	Date	Event Name	No. of. beneficiary
1	29.01.2022	Applying Data Science & Artificial Intelligence in EveryDay Life	56
2	26.02.2022	Photoshop Competition	65
3	21.03.2022 To 31.03.2022	Arduino Based Project Marathon	150
4	02.06.2022 & 03.06.2022	24 Hours IBM Learnathon	150
5	29.07.2022	Expert Talk on Introduction to Digital VLSI IC Design	56
6	3.9.2022	Virtual Quiz	300
7	26.9.2022	Smart India Hackathon Awareness Session	183
8	13.10.2022	One Day hands on training on Tableau	56
9	3.11.2022 & 4.11.2022	National Conference	630
10	03.02.2023	INTERNATIONAL LEVEL SYMPOSIUM	300
11	08.02.2023 - 15. 02.2023	UIPATH Robotic Process Automation	56
12	20-02-23 to 04-03-2023	Hands on Training for Lab Technicians on “Python Programming”	30

SCOPE MEMBERS

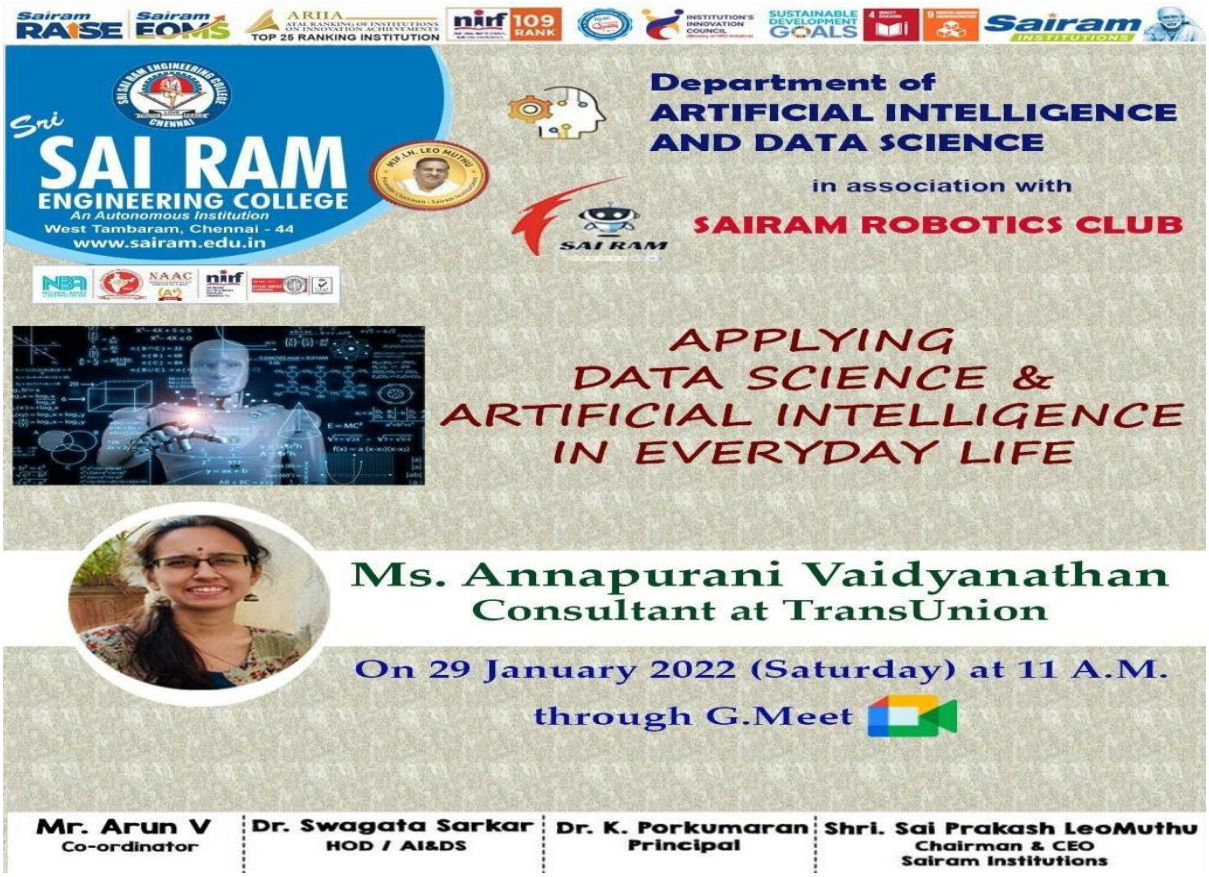
Sl. No.	Faculty Name	Initial	Designation
1	Mr.BALAKRISHNAN	E	Asst.Prof, MECHANICAL /SIT
2	Mrs.SWAGATA SARKAR	-	HOD - AI&DS / SEC
3	Mrs.SANKARI	S	Asst.Prof, IT / SEC
4	Mr.SUBRAMANIAN		Asst.Prof , E&I/ SEC
5	Mrs.DEIVANAYAGI	S	Asst.Prof , ECE / SIT

FACULTY MEMBERS

Staff Name List

S.No	Staff ID No.	Dept.	Name of the Staff	Designation
1	ET12AI01	AI-DS	Dr.Swagata Sarkar	Associate Professor
2	ET21AI02	AI-DS	Mr.V.Arun	Assistant Professor - III
3	ET21AI01	AI-DS	Dr.A.Rehash Rushmi Pavitra	Associate Professor
4	ET21AI03	AI-DS	Mrs.C.Esther	Assistant Professor - III
5	ET22AI01	AI-DS	Mrs.G.Gomathy	Assistant Professor - III
6	ET22AI02	AI-DS	Mr.S.Sivamurugan	Assistant Professor - III
7	ET22AI03	AI-DS	Mrs.G.B.Zionna Sen	Assistant Professor - III
8	ET22AI04	AI-DS	Mr.S.Muthamilselvan	Assistant Professor - III
9	ET22AI05	AI-DS	Mrs.P.Kalaiselvi	Assistant Professor - III
10	ET22AI06	AI-DS	Mrs.D.Jena Catherine Bel	Assistant Professor - III
11	ET16AI01	AI-DS	Mr.U.Jayachandran	Assistant Professor - III

1. **Applying Data Science & Artificial Intelligence in EveryDay Life**

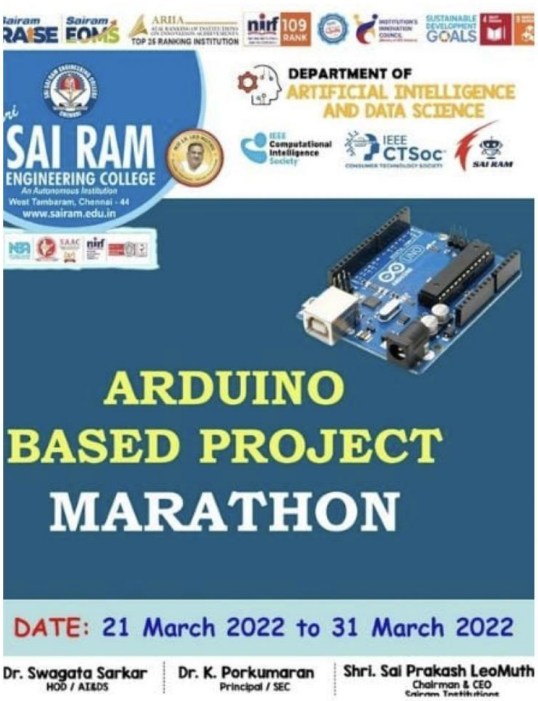


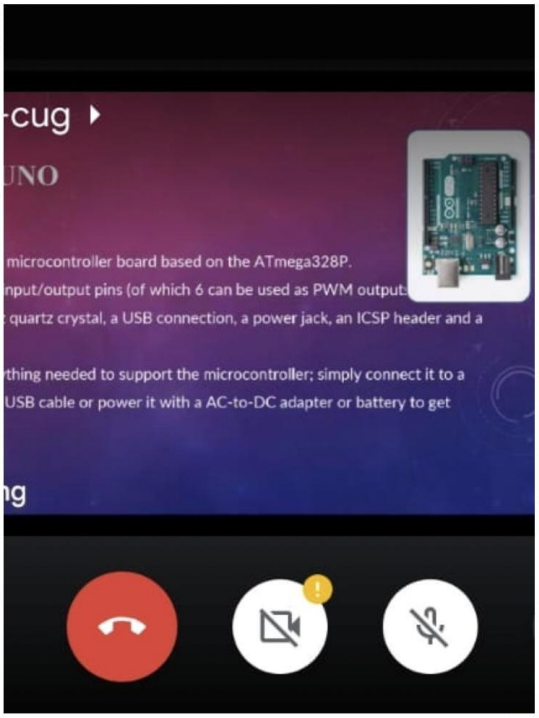
Event title	Applying Data Science & Artificial Intelligence in EveryDay Life
Date	29.01.2022
Duration	11 A.M
No.of.participants	56 (III YR STUDENTS)
Outcome of the event	The 3rd year students learned about data science and artificial intelligence basics and how to apply these concepts in real world applications
Amount Spent	Nil

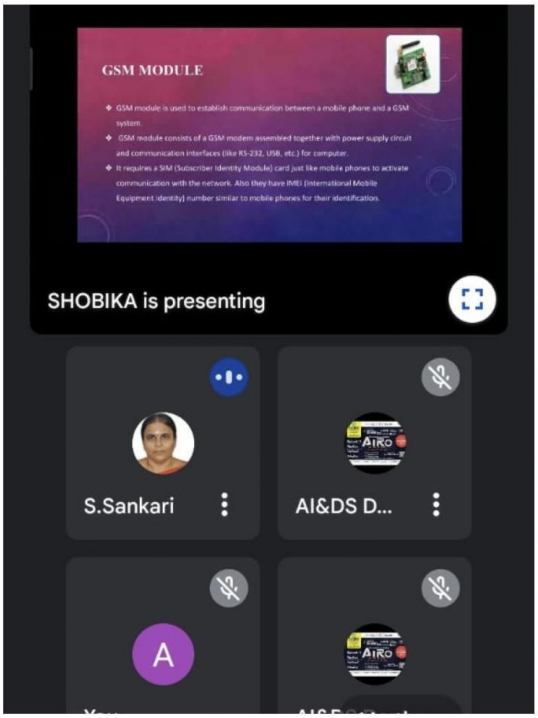
2. Hands on Training on Photoshop Basics and Photoshop Competition

Event title	**Hands on Training on Photoshop Basics and Photoshop Competition**
Date	26.02.2022
Duration	6 p.m to 8.p.m
No.of.participants	65
Outcome	All the students were learned about the concepts of photoshop and competition also conducted based on the event
Amount Spent	Nil

3. Arduino Based Project Marathon

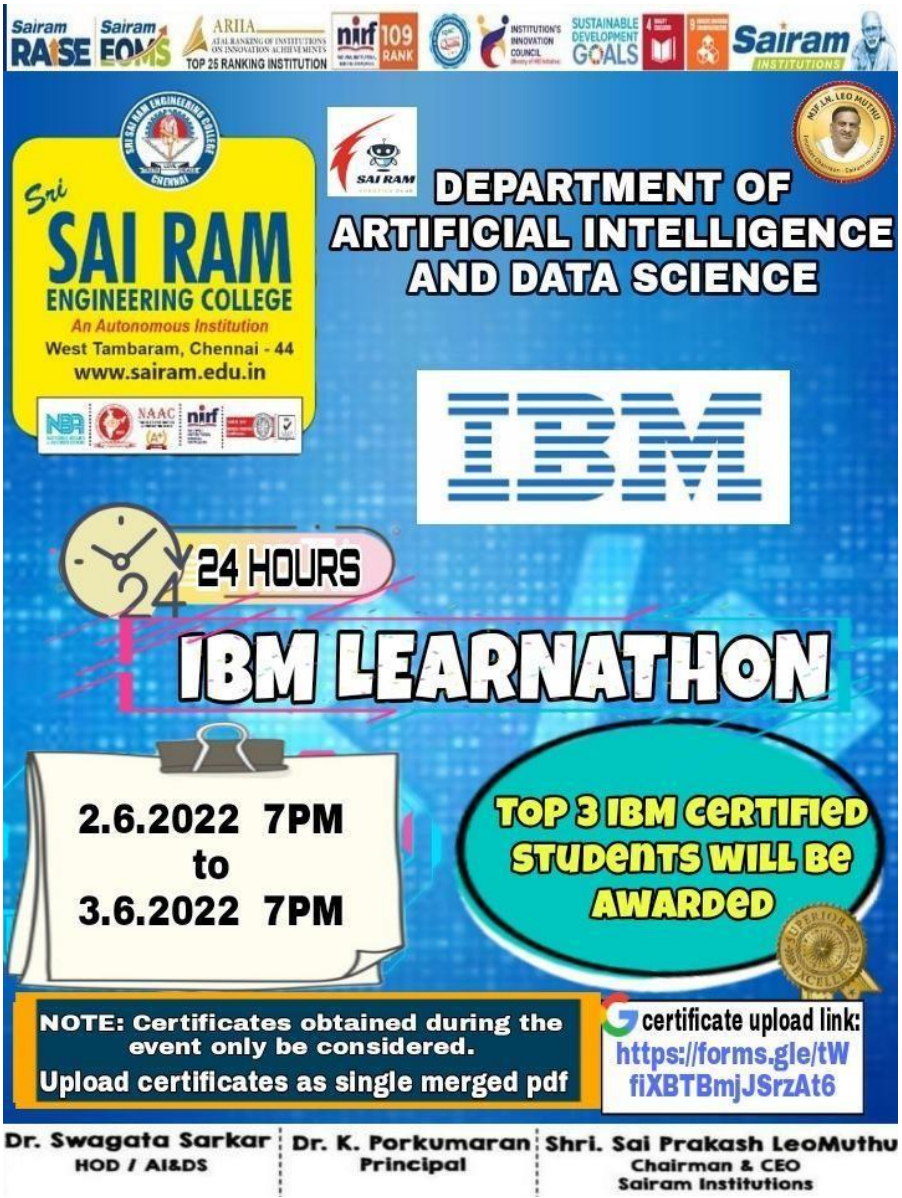






Event title	Arduino Based Project Marathon
Date	21.03.2022 To 31.03.2022
Duration	11 A.M
No.of.participants	150 (II &III YEARS STUDENTS)
Outcome of the event	The outcome of this event is the student learned about the Arduino Based Projects and components with examples.
Amount Spent	Nil

4. 24 Hours IBM Learnathon



Event title	24 Hours IBM Learnathon
Date	21.03.2022 To 31.03.2022
Duration	11 A.M
No.of.participants	150 (II- & III-YEAR STUDENTS)

5. Expert Talk on Introduction to Digital VLSI IC Design

Event title	Expert Talk on Introduction to Digital VLSI IC Design
Date	29.07.2022
Duration	6:30 P.M
No.of.participants	56 (III YEAR STUDENTS)
Outcome of the event	The chief guest deeply explained about VLSI and IC Chips, with various diagrams and statistical data relevant to the study
Amount Spent	Nil

6. Virtual Quiz

Event title	Virtual Quiz
Date	3.9.2022
Duration	1 HOUR
No.of.participants	300
Outcome of the event	Through the robotic clubs the quiz were conducted and for the winners price were distributed
Amount Spent	NIL

7. Smart India Hackathon Awareness Session

Event title	Smart India Hackathon Awareness Session
Date	26.9.2022
Duration	2 HOURS

No.of.participants	126 (II YR STUDENTS)
Outcome of the event	SIH winners explained about the whole process of the hackathon and motivated the students to participate in upcoming events.
Amount Spent	Nil

8. **One Day hands on training on Tableau**

Event title	One Day hands on training on Tableau
Date	13.10.2022
Duration	7 HOURS
No.of.participants	56(III YR STUDENTS)
Outcome of the event	He demonstrated that the statistical model involves a mathematical relationship between random and non-random variables. In addition, He gave a detailed overview about tableau.

Amount Spent	Nil

9. National Conference on Advancement in Artificial Intelligence and Emerging Trends

PAPER FORMAT

Kindly ensure that your paper is formatted as per Template (not exceeding 6 pages) single-spaced double-column pages using 10-point size font on 8.5×11 inch pages (IEEE conference style), including authors' affiliations, figures, tables, and references along with Registration Fee in the form of Online Transfer Receipt should be attached in google form. Email_id for paper submission ncaaiet2022@gmail.com.

REGISTRATION FEE

Student	:	Rs. 300
Faculty & Research Scholar	:	Rs. 500
Delegate from Industry	:	Rs. 1000

The Organizing Secretary, NCAAIET'22

ACCOUNT NAME	:	SAI AIRO
ACCOUNT NO	:	500101013114834
IFSCODE	:	CIUB0000634
BRANCH	:	POONTHANDALAM
BANK NAME	:	CITY UNION BANK

IMPORTANT DATES

Full Paper Submission	:	**7th October 2022**
Notification of Acceptance	:	**21st October 2022**
Camera Ready Submission	:	**27th October 2022**

CONTACT DETAILS

The Organizing Secretary
NCAAIET'22
Department of Artificial Intelligence and Data Science,
Sri Sairam Engineering College
and Sri Sairam Polytechnic College
Sai Leo Nagar, West Tambaram, Chennai - 44

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Professor & HOD/AI&DS/ SSEC

Er. V. Sivakumar
HOD/ DCE / SPT

Conference Co-ordinator
Mr. S. MuthamilSelvan - AI-DS/SSEC
Ms. P. Kalaiselvi - AI-DS/ SSEC
Mr. R. Sathish - SPT

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Dr. Christy, Professor, Saveetha School of Engineering, Chennai

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Ms C Esther / Assistant Professor / AI-DS
Ms Gomathy G / Assistant Professor / AI-DS
Ms Zionna Sen G B/ Assistant Professor / AI-DS
Mr. Sivamurugan S / Assistant Professor / AI-DS
Ms.Jena Catherine Bel D / Assistant Professor/AI-DS
Mr. Jayachandiran U / Assistant Professor / AI-DS
Mr. V.R. Ravichandran / HOD/Mech / Civil / Sairam Polytechnic College
Mr. S. Murugesan / HOD/EEE / Sairam Polytechnic College
Mr. P. Esakkirajan / HOD/ECE / Sairam Polytechnic College

Online Registration link
https://forms.gle/ZSpSLVc32StB7Cya9

DEPARTMENT OF
ARTIFICIAL INTELLIGENCE & DATA SCIENCE

Sairam INSTITUTIONS

1ST NATIONAL CONFERENCE ON

ADVANCEMENT IN ARTIFICIAL INTELLIGENCE AND EMERGING TRENDS (NCAAIET'22)

03-11-2022 & 04-11-2022

SAIRAM ENGINEERING COLLEGE
An Autonomous Institution | Affiliated to Anna University & Approved by AICTE, New Delhi
Accredited by NBA, and NAAC 'A++' | An ISO 9001:2015 Certified and UKAS, MRP related institution
Sai Leo Nagar, West Tambaram, Chennai - 600 044, www.sairam.edu.in

AND

SAIRAM POLYTECHNIC COLLEGE
(An ISO 9001:2015 Certified Institution)
West Tambaram, Chennai - 44, www.sairampoly.edu.in

ABOUT THE INSTITUTION

Sri Sai Ram Engineering College, Chennai, established in the year 1995 by MJF.Ln.Leo Muthu, Chairman of Sapthagiri Educational Trust is a non-profitable and non-minority institution. A well-defined vision, highly committed mission and dedicated leadership facilitate Sri Sai Ram Engineering College to be in the best of educational institutions in the country. Since its inception, our Institution has grown into a vast conglomerate of magnificent buildings, state-of-the art and

ABOUT THE DEPARTMENT OF DCE, ECE, EEE, MECHANICAL, CIVIL - SRI SAIRAM POLYTECHNIC COLLEGE

country in the field of civil.

CALL FOR PAPERS

- ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
- SPEECH AND AUDIO PROCESSING

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Expert talk on
Emerging AI research trends and applications
Dr. Sailesh Iyer
Professor & Dean,
Rai University, Ahmedabad

17 UN Sustainable Development Goals
SUSTAINABLE DEVELOPMENT GOALS

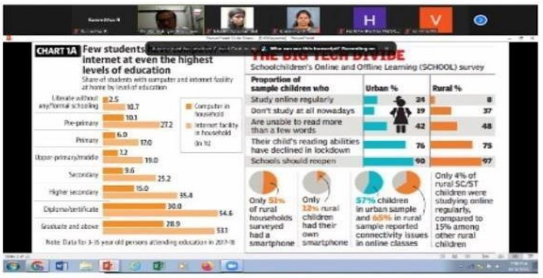
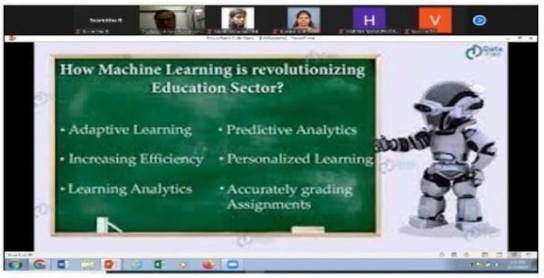
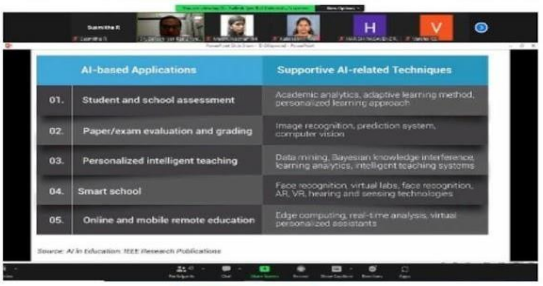


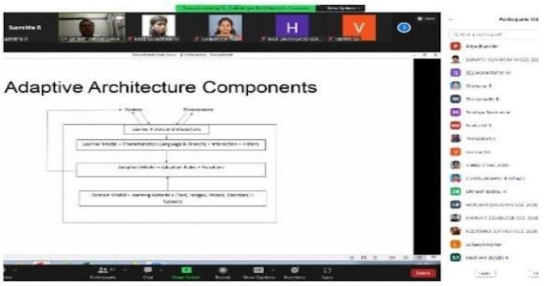
CHART 1A Few students have internet at even the highest levels of education
THE BIG TECH DIVIDE
Schoolchildren's Online and Offline Learning (SCHOOL) survey
Proportion of sample children who
Urban %
Rural %
Study online regularly
Don't study at all nowadays
Are unable to read more than a few words
Their child's reading abilities have declined in lockdown
Schools should reopen
Only 31% of rural households surveyed had a smartphone
Only 12% rural children had their own smartphone
57% children in urban sample and 68% in rural sample reported connectivity issues in online classes
Only 4% of rural SC/ST children were studying online regularly, compared to 15% among other rural children


How Machine Learning is revolutionizing Education Sector?
• Adaptive Learning
• Predictive Analytics
• Increasing Efficiency
• Personalized Learning
• Learning Analytics
• Accurately grading Assignments


AI-based Applications
Supportive AI-related Techniques
01. Student and school assessment
Academic analytics, adaptive learning method, personalized learning approach
02. Paper/exam evaluation and grading
Image recognition, prediction system, computer vision
03. Personalized intelligent teaching
Data mining, Bayesian knowledge interference, learning analytics, intelligent teaching systems
04. Smart school
Face recognition, virtual labs, face recognition, AR, VR, hearing and sensing technologies
05. Online and mobile remote education
Edge computing, real-time analysis, virtual personalized assistants

Research Challenges and Objectives:

Drawbacks – Existing Environment
• Lack of adaptation.
• Lack of adaptive response.
• Lack of adaptive learner models.

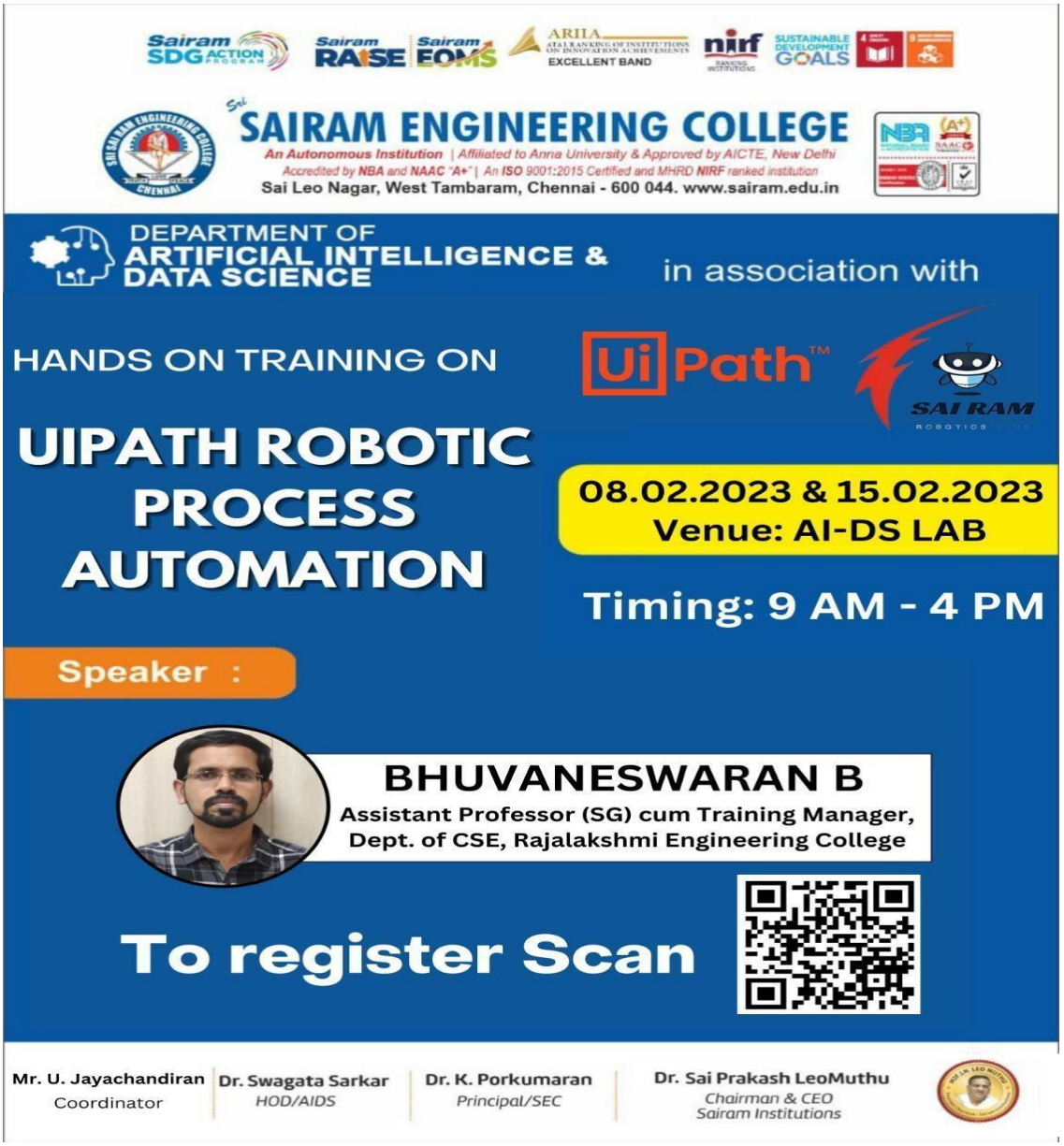

Adaptive Architecture Components

Event title	National Conference
Date	3.11.2022 & 4.11.2022
Duration	2 DAYS
No.of.participants	630
Outcome of the event	The conference gave participants the chance to share their knowledge, concepts, innovations, and problem-solving strategies while presenting original research on all facets of new scientific approaches for technologies, computational processes, software, and hardware solutions pertaining to particular scientific fields.
Amount Spent	50,000

10. INTERNATIONAL LEVEL SYMPOSIUM

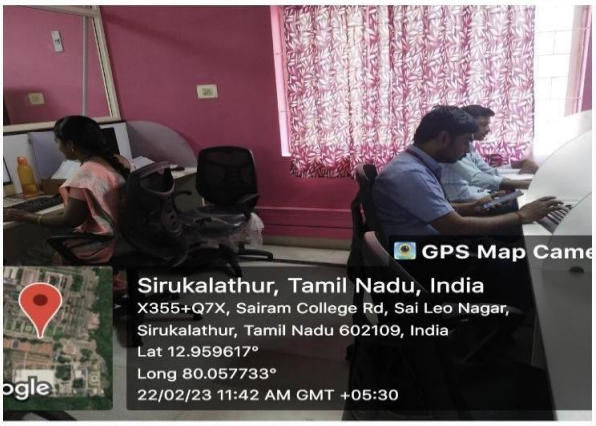
Event title	INTERNATIONAL LEVEL SYMPOSIUM- AIRO 2.0
Date	03.02.2023
Duration	1 DAY
No.of.participants	300
Outcome of the event	The Symposium consisted of various events ,out of which two **technical** event and two **non technical** events were conducted where student scholars from different part of the country participated and showered their ideas and talents in the respective domain undergoing all the rules and regulations , as a reward of their exposed talents many prizes were also given
Amount Spent	1,00000

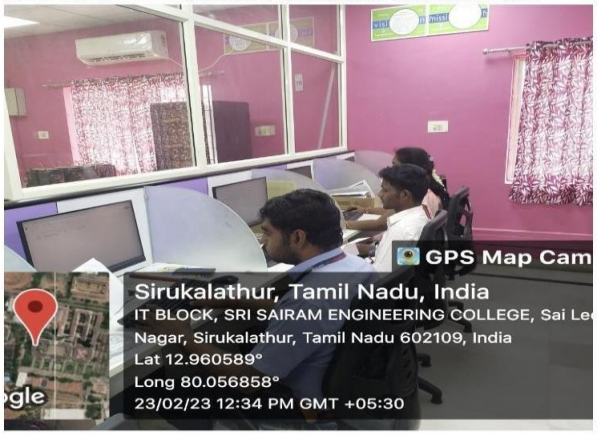
11. UIPATH Robotic Process Automation

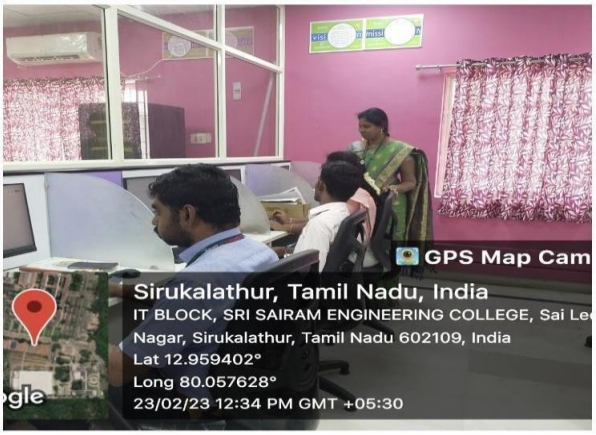


Event title	Hands on Training on UiPath Robotic Process Automation
Date	08.02.2023 - 15. 02.2023
Duration	2 DAYS
No.of.participants	56
Outcome of the event	UiPath RPA is a powerful tool that has the potential to revolutionize the way businesses operate. This two-day training program on UiPath RPA will provide students with the knowledge and skills needed to become proficient in
	UiPath Studio and create automation processes that are efficient and effective. By the end of the program, students will be equipped with the tools needed to begin their journey into the world of UiPath RPA.
Amount Spent	Nil

12. Hands on Training for Lab Technicians on “Python Programming”







Event title	Hands on Training for Lab Technicians on “Python Programming”
Date	20-02-23 to 04-03-2023
Duration	14 DAYS
No.of.participants	30
Outcome of the event	The faculty explained clear idea about all the programming languages like C,C++,Python and so on. And hands on session were conducted through online platform.
Amount Spent	Nil