27th Nov 2023

Report on -

Two Day's Hands on workshop on 5G Antenna Design and its Wireless Applications.

Department of Electronics and Communication Engineering (ECE) organized 2 Days hands on workshop for final year ECE students under ISTE banner on 23rd and 24th November 2023 at AV Hall.

Dr. Siddalingappagouda Biradar - Associate Professor DSATM, Bengaluru and Dr. Shashiranjan – Associate Professor, DBIT, Bengaluru were invited as Resource Persons.

The Programme inaugurated on 23rd November 2023 at 10 am. Prof. P Venugopal welcomed the gathering and honored resource persons with mementoes. Head of the Department Dr. A Poonguzhali addressed the students the importance of organizing workshop on the Design of 5G Antenna.

After this inaugural session, Stage had been handed over to Resource persons. Dr. Siddalingappagouda Biradar had given inputs and detailed explanation on different generations of networks like 1G, 2G, 3G, 4G and 5G. Advantages of 5G networks over 4G Networks.

Later in the afternoon session, Dr. Shashiranjan demonstrated the design of 5G networks using CSI tool with step by step procedure.
Students enjoyed the sessions. Practiced hands on the design of 5G antennas on the 2nd day of the workshop.

Principal Dr. B Shadaksharappa addressed the students in valedictory about the latest trends in the technology and how to utilize it effectively by student fraternity. Principal handed over a letter of Appreciation and memento to the resource persons as a token of our respect.

Programme ended with the vote of thanks proposed by Prof. P Venugopal.

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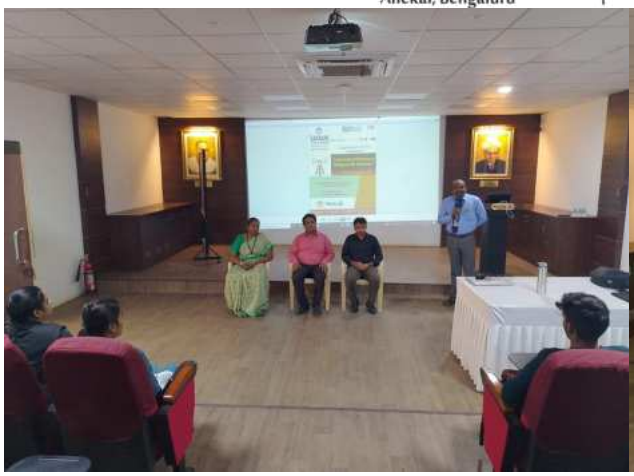

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28.11.23

Department of Electronics and Communication Engineering

Report On AI Integrated Automation Solutions for Real Time Systems

Sub: Seminar on AI Integrated Automation Solutions for Real Time Systems on 28.11.23 @ 11.00 am-Reg

With reference to the above Subject, we department of Electronics and Communication Engineering, Sri Sairam College of Engineering, Anekal, Bengaluru organised a Seminar on "**AI Integrated Automation Solutions for Real Time Systems**" in association with IEEE for all final year students on 29.11.23.

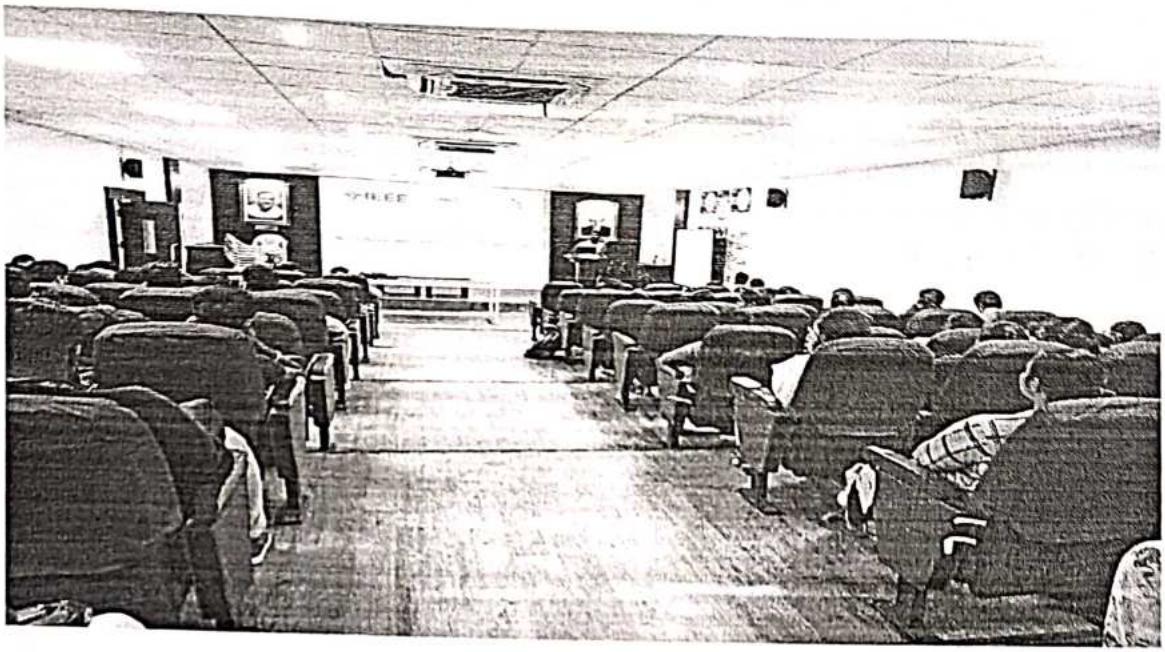
The Seminar was inaugurated by the welcome address delivered by **Dr.V.Anitha**, Assistant professor, Department of ECE, and **Dr.A.Poonguzhali**, HOD, Department of ECE addressed our final year students and shared the importance of AI in real time systems.

The Resource person **Dr.Rajesh**, Technical lead, Innovative Engineering Products, Hosur. He had 10+ years of teaching experience and industrial experience and he has published more than 20 journals. He delivered address regarding projects implementation in all domains. The discussed topics are given below.

Real-time AI applications refer to those that generate immediate results. They process data as soon as it becomes available and decide based on it. These applications can respond quickly to changing situations and provide real-time feedback. Real-time AI applications have become increasingly important in various industries because they provide quick and accurate results. They help businesses make better decisions, improve customer satisfaction, and increase efficiency.

- What Is AI?
- Types of AI
- Ways of Implementing AI
- How Does AI Work and applications of AI

He discusses in detail about real time applications and project implementation to students in detailed manner and explained the one sample project to students. It was an interactive session for all students.



Prof. A.Arivarasi, Assistant Professor Department of Electronics and Communication Engineering department delivered the vote of thanks. At the end Students are actively discussed about their projects with the resource person. The seminar was also Supporting our Sustainable Development Goals – Goal 4 Quality Education and Goal 17 partnership for Goals.

Coordinators

(Prof.A.Arivarasi/ Dr.V.Anitha)

HOD

(Dr.A.Poonguzhali)

30/11/2023

27th Nov 2023

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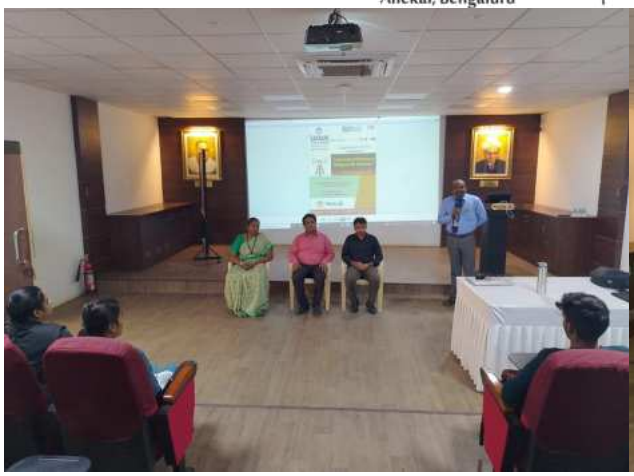

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28.11.23

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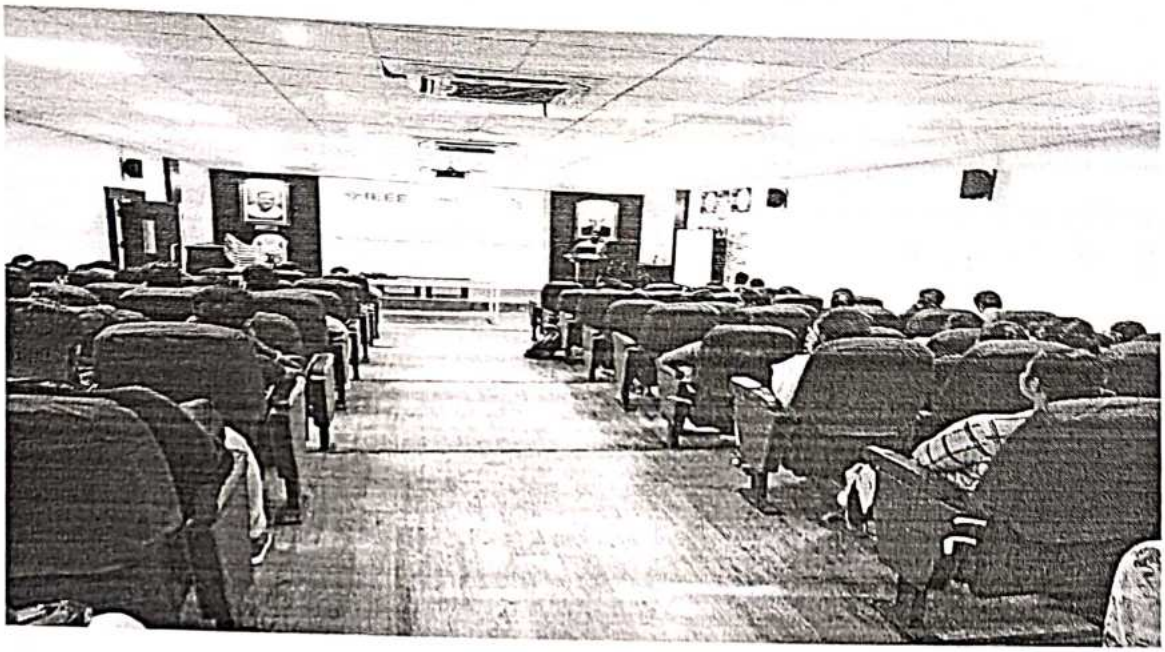

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Coordinators

(Prof.A.Arivarasi/ Dr.V.Anitha)

HOD

(Dr.A.Poonguzhali)

30/11/2023

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

DATE: 12.07.2024

REPORT
ON
"EMERGING TECHNOLOGIES IN VLSI"

The Department of Electronics and Communication Engineering, Sri Sairam College of Engineering Webinar on "**EMERGING TECHNOLOGIES IN VLSI**" organized on 05TH DECEMBER 2023 @ 10.00am to 11.30 noon @ Sir MV AV HALL for 4TH Year ECE students.

The Workshop was Inaugurated by the welcome speech by **Dr. A. Poonguzhali**, Head of the department ECE. Our beloved **Dr.B. Shadaksharappa**, Principal Sri Sairam College of Engineering conveyed the best wishes for organizing the events and motivating the students of institution in the activities.

The **resource persons Mr. Raghul & Mr. Pramod Prasad, Chip Edge Technologies Bangalore** addressed the gathering about the emerging trends in VLSI Field. The session was open to Q&A, where the students interacted with resource persons & the session helped the students to update on trending industrial developments happening in VLSI field.

The vote of thanks to the speaker was given by **Prof. Santosh Kumar.N**, Assistant Professor, ECE, Sri Sairam college of Engineering.

Coordinators
1. Prof. Santosh Kumar.N
2. Prof. Raja.G.V

12/7/24
Head of the Department

(Dr. A.Poonguzhali)

18/07/2024.

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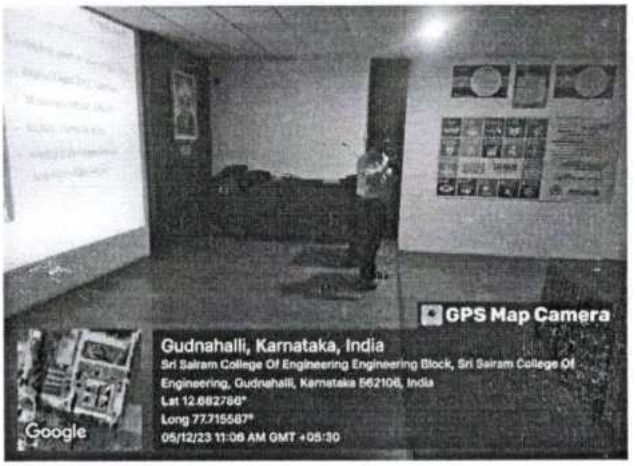

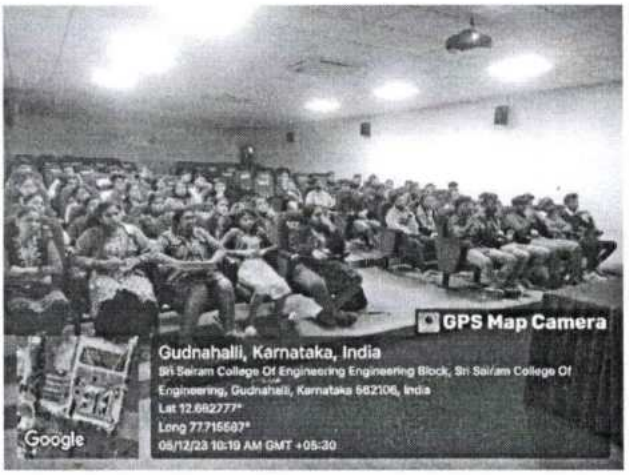

Report On

Innovation Through Drone Technology

Centre of Excellence for Drone & Innovation Technology organized a session on "**Innovation Through Drone Technology**" by Surendar, Manager, Aeroknotz Drones India Pvt Limited, Chennai, Organized by Centre of Excellence for Drone Innovation and Technology at Sairam College of Engineering, Anekal, on February 13, 2024

Date: February 26, 2024

Introduction: On February 13, 2024, the Centre of Excellence for Drone Innovation and Technology at Sairam College of Engineering, Anekal, organized a seminar on "Innovation Through Drone Technology." The esteemed guest speaker for the event was Surendar, Manager at Aeroknotz Drones India Pvt Limited, Chennai. The seminar aimed to provide valuable insights into the advancements, applications, and future trends in drone technology for all second-year students.

Seminar Highlights:

Introduction to Drone Technology: Speaker commenced the seminar by providing a comprehensive overview of drone technology, its evolution, and the various types of drones available in the market. He emphasized the versatility of drones and their applications across different industries.

Current Applications: The speaker delved into the current applications of drones in industries such as agriculture, healthcare, logistics, surveillance, and more. He showcased real-world examples and success stories, highlighting the positive impact drones have made in various sectors.

Innovation and Trends: Speaker discussed ongoing innovations in drone technology, including advancements in AI and machine learning, increased autonomy, and the integration of advanced sensors. He provided insights into the latest trends shaping the future of the drone industry.

Challenges and Solutions: Speaker addressed the challenges faced by the drone industry, such as regulatory issues, safety concerns, and public perception. He also shared potential solutions and discussed the collaborative efforts needed to overcome these challenges.

Future Prospects: concluded the seminar by discussing the exciting future prospects of drone technology. He explored upcoming developments, such as drone swarms, urban air mobility, and the role of drones in the Fourth Industrial Revolution.

Participation and Feedback: The seminar witnessed active participation from all second-year students of Sairam College of Engineering. The students engaged in interactive discussions, asking insightful questions about the practical aspects and career opportunities in the drone industry.

Feedback from the students was overwhelmingly positive, with many expressing appreciation for the informative and inspiring session. The seminar provided valuable insights into the world of drone technology, fostering enthusiasm among the students for potential future involvement in this dynamic field.The seminar on "Innovation Through Drone Technology" organized by the Centre of Excellence for Drone Innovation and Technology at Sairam College of Engineering was a resounding success. The collaboration with Aeroknotz Drones India Pvt Limited and the insightful presentation by Surendar provided students with a valuable opportunity to gain knowledge about the rapidly evolving field of drone technology. The event not only showcased the current advancements but also inspired students to envision the exciting future possibilities within this dynamic industry.

26/2/24

26/02/2024

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Department of Electronics & Communication Engineering

DATE: 16.02.2024

Submitted,

Sub: WEBINAR REPORT ON "6G INITIATIVES"- reg

With reference to the above subject, We Dept. of Electronics & Communication Engineering, Sri Sairam College of Engineering, Anekal, Bengaluru organized a Webinar on "6G INITIATIVES" on 15th Feb 2024.

The Webinar Program was started at 11.15 AM in AV Hall.. **Dr. A. Poonguzhali**, HOD, Dept. of ECE, delivered welcome address and introduced the Resource Person **Pavithra Nagaraj,Co-Founder & CEO at Brand to Land** ,Bangalore

Department of Electronics & Communication Engineering

Resource Person **Pavithra Nagaraj**, has delivered presentation on the 6G initiatives, explained about what is 6G.

- 6G is short for "6th generation."
- It is going to be the next generation breakthrough technology, which will start hitting the market within the next 4 to 5 years or even earlier.
- Many researchers and companies have already started working on 6G.
- 6G is believed to offer Tbps speeds, 0.1ms latency, connection density of 10 million devices per square kilometer, high reliability, high spectral efficiency and energy efficiency compared to its predecessor 5G.

Also explained about requirements of 6G.

- Support new use cases
- Support large number of devices
- Increase Bandwidth Efficiency
- Energy Efficiency and Battery power optimization
- More speed
- Much lower latency
- More Reliable Networks
- Scalable and Customizable Networks 6

The participants 2nd year & 3rd Year ECE students interacted with Resource person shared their views and got their doubts clarified.

Prof. Savitha H S, delivered vote of thanks. The webinar also supporting our **Sustainable Development Goals – Goal 4 Quality Education.**

Program Coordinator **HOD** **Principal** 17/02/2024

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Department of Electronics & Communication Engineering

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date: 28/02/2024

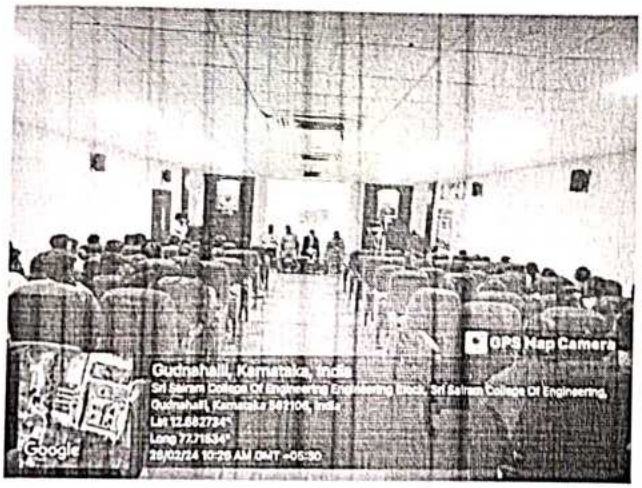
REPORT – WORKSHOP ON "EMBEDDED PCB"

Department of Electronics and Communication Engineering, Sri Sairam College of Engineering, Bangalore has conducted a two-day workshop on "Embedded PCB" during 26/02/2024 to 27/02/2024 for third year ECE students. Dr. Rajesh T, Technical Lead, Innovative Engineering Products, Hosur has been invited as Chief Guest for this workshop.

The Workshop has been inaugurated on 26/02/2024 with the presence of Dr. B. Shadaksharappa, Principal, Sri Sairam College of Engineering, Bangalore, Dr. A. Poonguzhali, Head of the Department, Department of Electronics and Communication Engineering, Sri Sairam College of Engineering, Bangalore, Heads of various Departments, Faculty members and students in AV Hall. The gathering has been welcomed by Dr. A. Poonguzhali, Head of the Department of ECE and felicitated by Dr. B. Shadaksharappa, Principal followed by the speech of the resource person Dr. Rajesh T.

On first day forenoon, oral session has been conducted on understanding of PCB, Different types, Component Identification and Design steps in IoT Laboratory, Department of ECE. During afternoon session Software hands-on session has been given based on the topics understanding the schematic entry, Creating library and components, Preparing schematic, Introduction to PCB layout, Footprints library and browsing, Starting PCB design, Component placement, Setting up rules, Routing and Editing, DRC check, Final output generation and Bill of materials.

On second day, Hands-on session has been given on the topics like Session Sheet cutting, Film exposing and Image impression, Etching, Drilling and Tinning, Soldering, Testing and Troubleshooting. The students have given very good feedback on using Easy EDA tool and satisfied with the hands-on experience in deploying their own circuit on PCB. Students requested to conduct more events on such core topics and interested to attend internship with the invited resource person. The session was very interactive and provided a very good learning platform. Finally, the valedictory has been conducted on 27/02/2024 evening session and certificates has been distributed to the respective students.



Coordinators

28/2/24
HOD

06/03/2024

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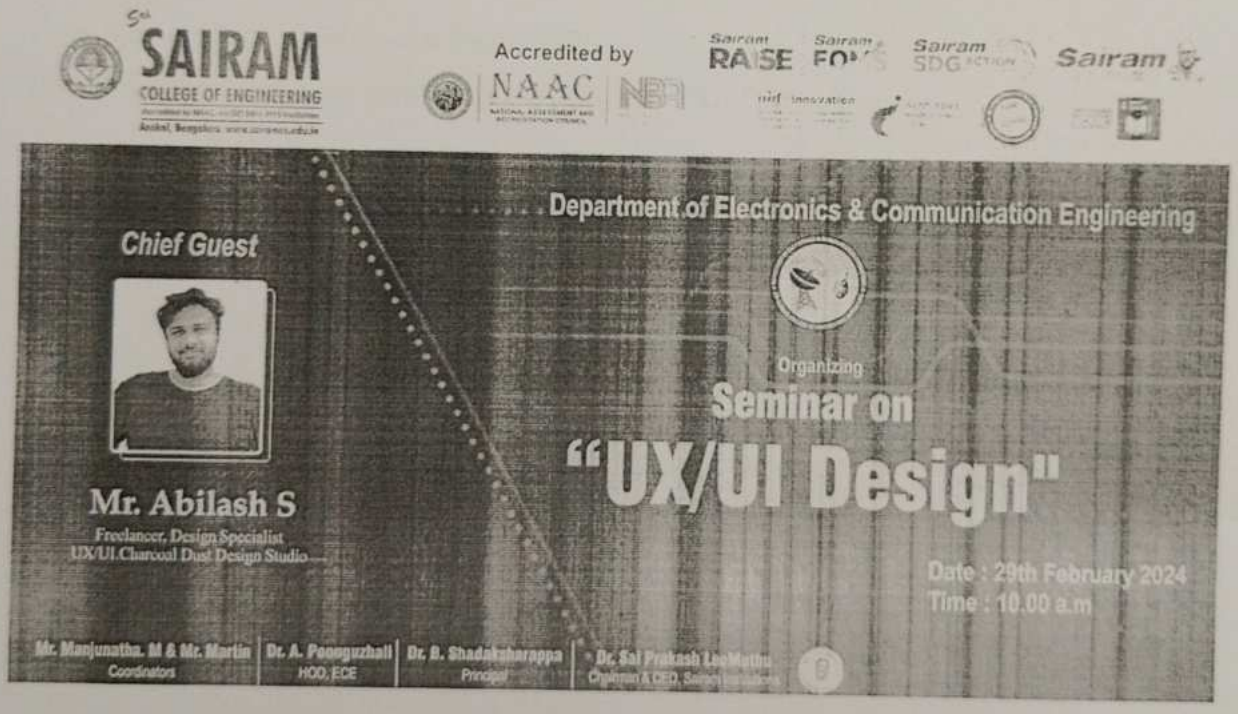
Department of Electronics & Communication Engineering

SEMINAR REPORT ON "UX/UI DESIGN"

We Dept. of Electronics & Communication Engineering, Sri Sairam College of Engineering, Anekal, Bengaluru organized a seminar on "UX/UI DESIGN" on 29th Feb 2024.

The Seminar Program was started at 10.00 AM in AV Hall.. **Dr. A. Poonguzhali**, HOD, Dept. of ECE, delivered welcome address and introduced the Resource Person **Mr.Abilash S Freelancer, Design Specialist** UX/UI Charcoal Dust Design Studio.



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Department of Electronics & Communication Engineering

Resource Person **Mr.Abilash S**, has delivered presentation on the UX/UI DESIGN, explained about what is UX/UI DESIGN.

- UX/UI DESIGN is short for "UX/UI DESIGN."
- Many companies have already started working on UX/UI DESIGN.
- UX/UI DESIGN is believed to offer job opportunities for non programming skills candidates aspiring for a lucrative job in the IT Sector

Also explained about requirements of UX/UI DESIGN.

- Support new use cases
- Support large number of software skills
- Explained about the benefits of the course on UX/UI DESIGN

The participants 3rd Year ECE students interacted with Resource person sharedtheir views and got their doubts clarified.

Prof.Martin Joel Rathnam delivered the vote of thanks.

Prof. Manjunatha M honored the Guest by providing a diary.

The seminar also supported our Sustainable Development Goals – UX/UI DESIGN Software design training.

Manjunatha.M
Program Coordinator

6/3/24
HOD

Principal

06/03/2024

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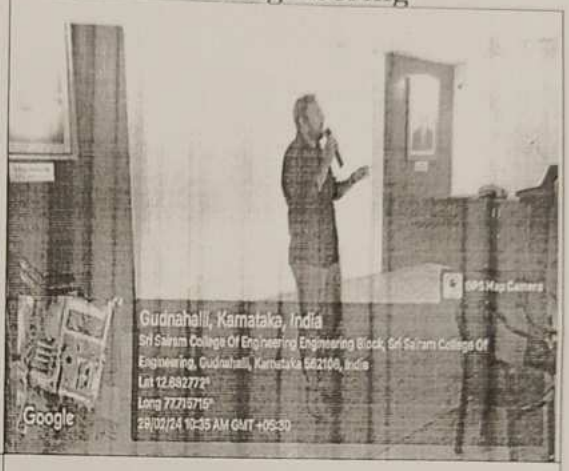

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

REPORT ON INTERNATIONAL WEBINAR ON ENTREPRENEURSHIP

Date: 06/03/2024

Department of Electronics & Communication Engineering, Sri Sairam College of Engineering, Anekal, Bangalore has organized an International Webinar entitled on **"Early Stage Entrepreneurs: Challenges and Opportunities"** under the banner of IEEE Students' chapter in association with Entrepreneurship Development Cell for pre-final year students on 1st of March, 2024. Ms. Sowmya Thyagarajan, Founder and CEO, Foviatech (GmbH), Hamburg, Germany has been invited as chief guest to address the students on the proposed topic of the webinar.

The webinar was Inaugurated through a welcome speech by Dr. A. Poonguzhali, Head of the department of ECE. Our beloved principal, Dr.B. Shadaksharappa, Sri Sairam College of Engineering conveyed the best wishes for organizing such webinars and motivating the students of pre-final years to show their interest in developing their entrepreneurship and leadership skills.

The resource person Ms. Sowmya Thyagarajan. has delivered an inspiring presentation on Entrepreneurship and it was really feeling delighted to have been able to be a part of this and try to continue with the wave approach on society with this positive speech. Around 100+participants joined the session. The important take away of the session was the students learnt how to empower the entrepreneurship skills, how to start the business, trading technologies and how to be updated with the pace of technologies in the field of business. Ms. Sowmya Thyagarajan has added some major insights about funding agencies in and around the world to initiate with start-ups, and some online platforms to find their business partners. She gave insight about how to compete with the competitors and had given exercise for the students to share their entrepreneurship ideas and skills.

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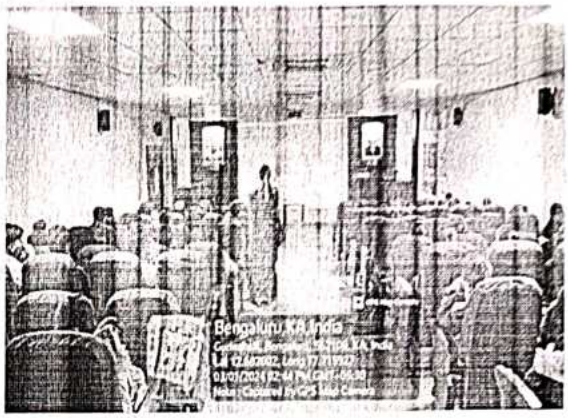
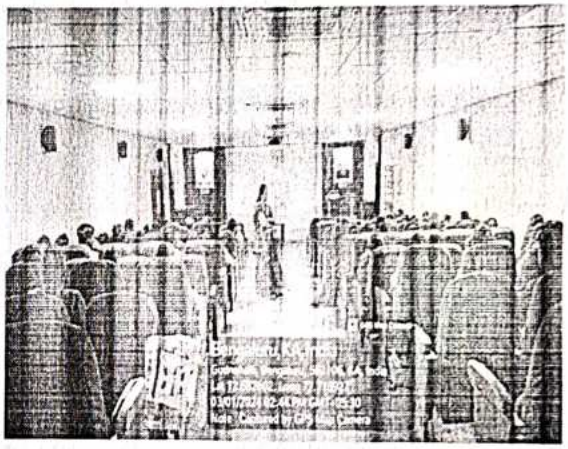
Glimpses of Webinar:





Coordinators

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06/03/2024

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18.03.2024

Report on Seminar on "Bharat's Semiconductor Moment and QI's Role"

Department of Electronics and Communication Engineering , Sri Sairam College of Engineering, has organized a Seminar for Final year and Pre-final year ECE students on the topic " Bharat's Semiconductor Moment and QI's Role " on 13th March 2024.The Resource Person **is our Alumni Mr.Harsha Neelakanta** Manager, Business Development, **Quantum Innovations Pvt. Ltd, Bangalore.**

The program has started with Invocation Song and Prof. P.Venugopal has given the welcome address. **Dr.A.Poonguzhali**, Professor & Head, Department of ECE has felicitated the Guest. She has briefed the importance of the Seminar and its relevance to Training & Placement. Mrs.S.Geetha, Assistant Professor, ECE has given the Introduction of the Guest.

The Seminar was conducted in AV hall. The students were given insights into the rapid growth of the Electronic industries and recent technologies in AI, VLSI and semiconductor electronics. The resource person has given information about the growing demand for Electronics Engineers in the Semi-conductor industries. The students were advised to equip themselves in the basic Electronics, devices and circuits, digital and VLSI subjects through Certification courses, innovative projects in labs and update their skillset. Also he has stressed on the statement that the enhanced technical knowledge will help them finding a definite place in the Core Companies in India as well around the globe.

Followed by the Seminar, Question and Answer session was there, where the students have given feedback about the Seminar.

The Program has ended with conclusion remarks by Dr. A.Poonguzhali, Professor & Head, and Department of ECE and Vote of Thanks was given by Mrs.Savitha H.S, AP, ECE.

16/4/24 / 16/4/24

Co-ordinators

16/4/24

HOD/ECE

10/06/2024

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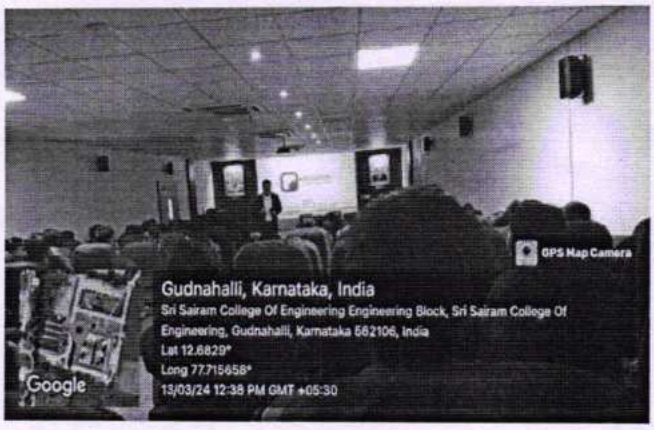
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03.06.2024

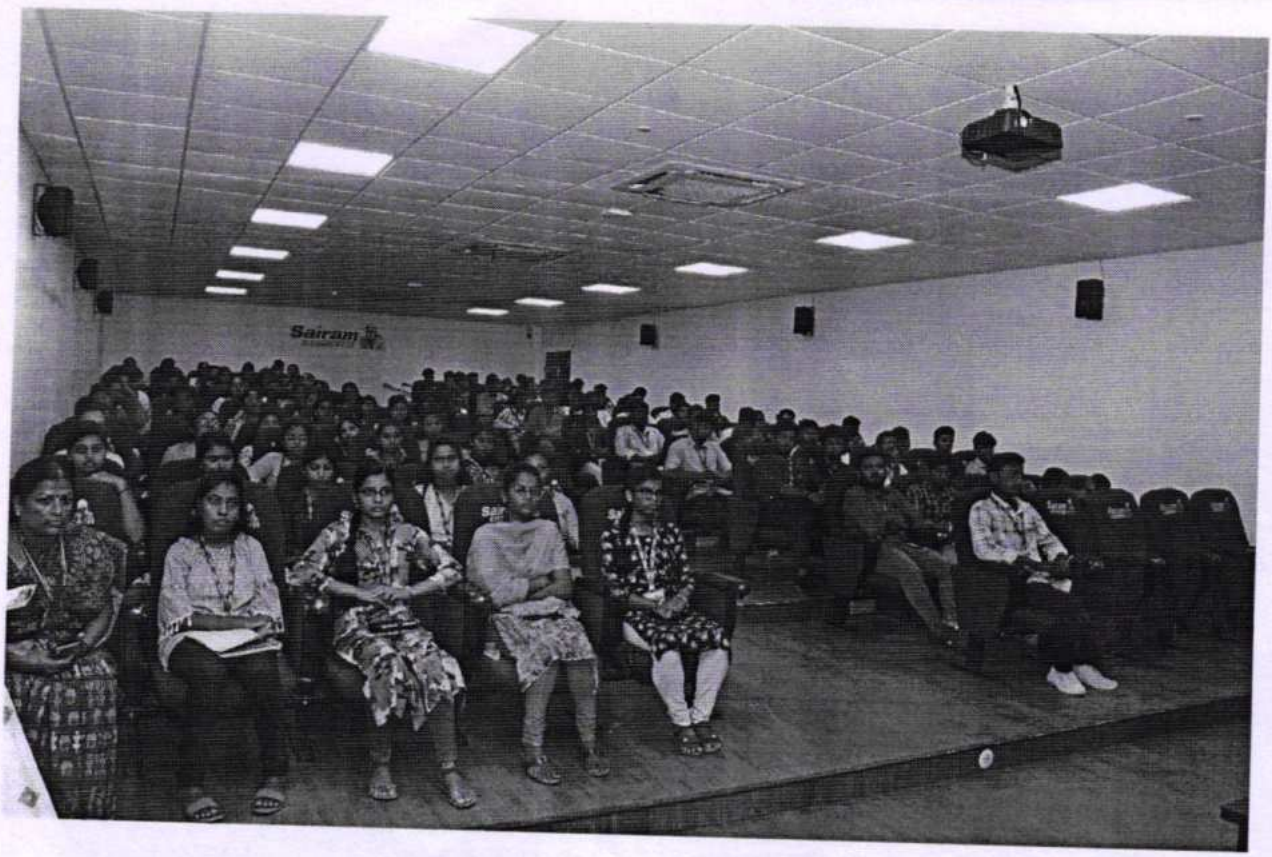
Report on Seminar on "IoT Workshop"

Department of Electronics and Communication, Sri Sairam College of Engineering, has organized a Two days - Workshop for Second year ECE students on the topic" Internet of Things" on 30th and 31st of May 2024.The Resource Persons **are Mr. Karthikeyan,** Technical Lead**, Mr.Dinakar, Technical Engineer, IobiT Solutions Pvt. Ltd, Bangalore.**

The Inaugural was conducted in AV hall. The program started formally with a welcome address by our Principal Dr.B.Shadaksharappa and Dr.A.Poonguzhali Professor &Head/Department of ECE have felicitated the Resource persons. Principal has briefed the importance of the IoT and its relevance to day to day applications and the industries working on the IoT technologies.

The guest Introduction was given by Mrs.Savitha H.S , Assistant Professor , ECE.

The students were given insights into the rapid growth of the Electronic industries and recent technologies in IoT and its applications.



The hands on sessions were given in IoT Lab.

The workshop was conducted as per the below schedule.

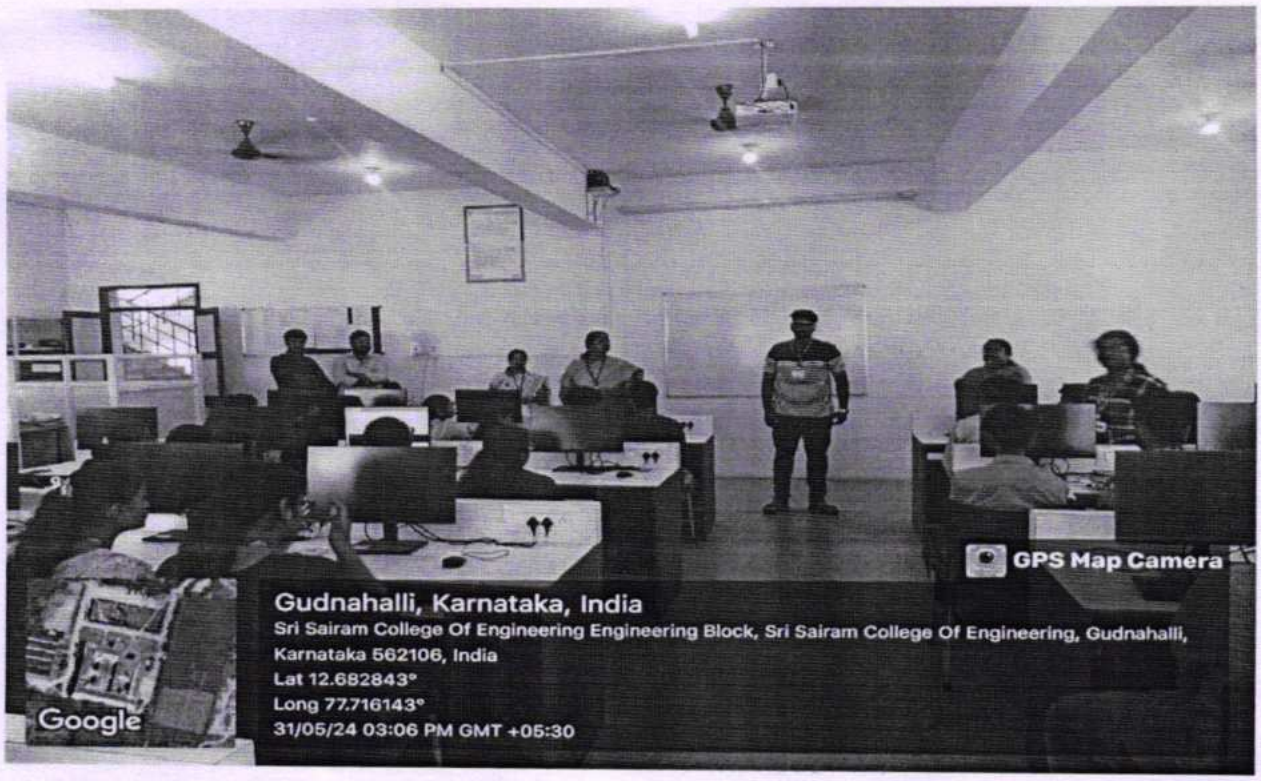
Day 1:

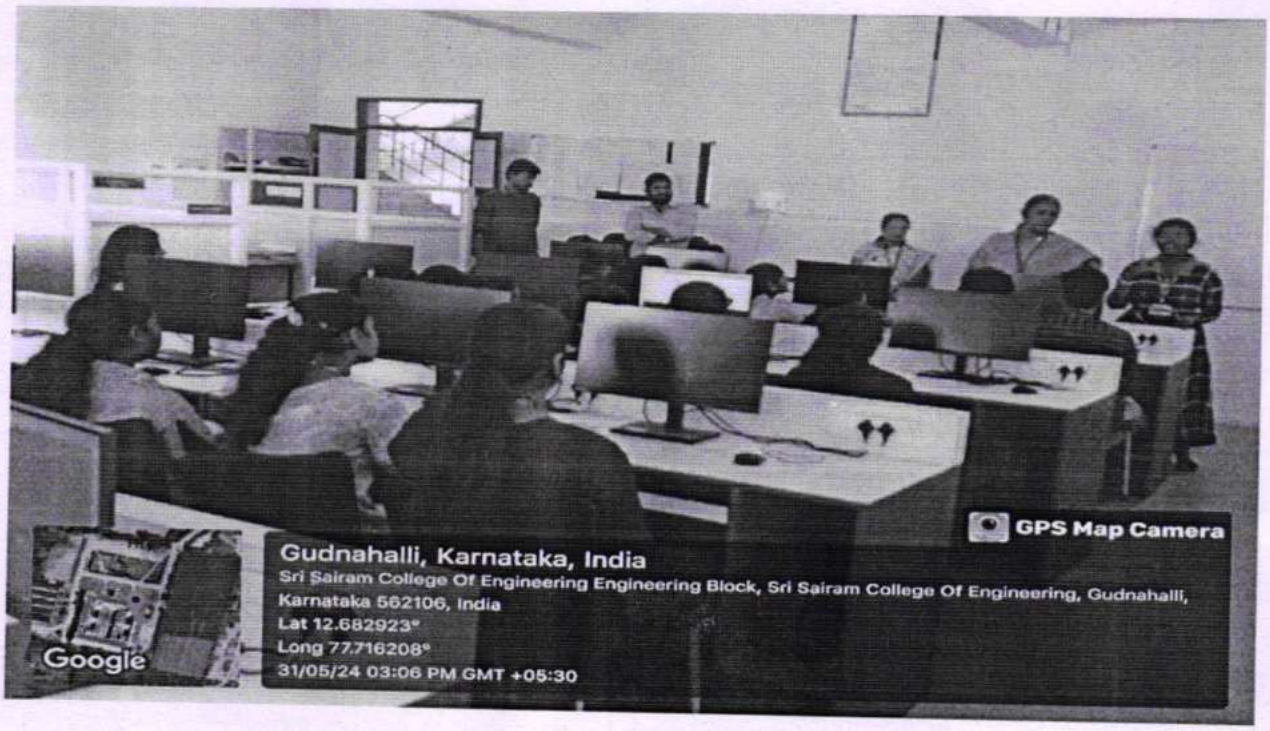
- Hands-On : Open source hardware(ESP32)
- Hands-On : Digital Sensor Interfacing applications
- Hands-On : Actuator Interfacing
- Hands-On : Analog Sensor Interfacing applications
- DIY Session : Application Development using Analog & Digital sensors

Day 2:

- Introduction :Bylnk Cloud or Thingspeak (Standard Cloud)
- Hands-On : Ultrasonic Sensor Interfacing and Data push to cloud
- Hands-On : Analog Sensor Interfacing applications
- DIY Session : Application Development using Analog & Digital sensors
- Hands-On : Actuator Interfacing

The second day, program ended with Valedictory function. Professor and Head, Dr.A.Poonguzhali has given conclusion remarks and asked about the feedback about the workshop from students.Some of the Students have given feedback about the workshop and requested to conduct these kind of workshops in future as well.





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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

DATE: 12.07.2024

REPORT
ON
"EMERGING TECHNOLOGIES IN VLSI"

The Department of Electronics and Communication Engineering, Sri Sairam College of Engineering Webinar on "**EMERGING TECHNOLOGIES IN VLSI**" organized on 05TH DECEMBER 2023 @ 10.00am to 11.30 noon @ Sir MV AV HALL for 4TH Year ECE students.

The Workshop was Inaugurated by the welcome speech by **Dr. A. Poonguzhali**, Head of the department ECE. Our beloved **Dr.B. Shadaksharappa**, Principal Sri Sairam College of Engineering conveyed the best wishes for organizing the events and motivating the students of institution in the activities.

The **resource persons Mr. Raghul & Mr. Pramod Prasad, Chip Edge Technologies Bangalore** addressed the gathering about the emerging trends in VLSI Field. The session was open to Q&A, where the students interacted with resource persons & the session helped the students to update on trending industrial developments happening in VLSI field.

The vote of thanks to the speaker was given by **Prof. Santosh Kumar.N**, Assistant Professor, ECE, Sri Sairam college of Engineering.

Coordinators
1. Prof. Santosh Kumar.N
2. Prof. Raja.G.V

12/7/24
Head of the Department

(Dr. A.Poonguzhali)

18/07/2024.

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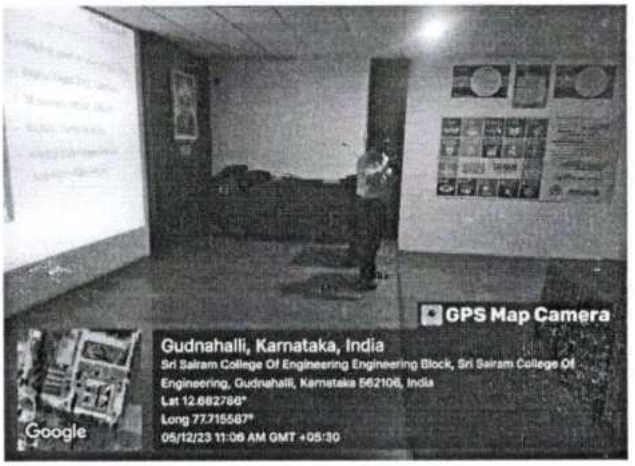

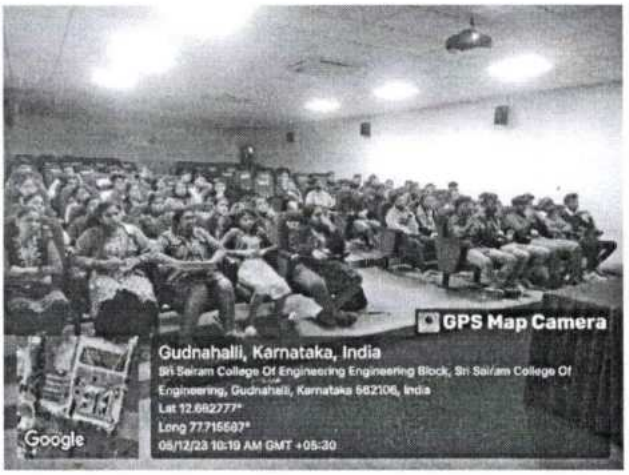

Report On

Innovation Through Drone Technology

Centre of Excellence for Drone & Innovation Technology organized a session on "**Innovation Through Drone Technology**" by Surendar, Manager, Aeroknotz Drones India Pvt Limited, Chennai, Organized by Centre of Excellence for Drone Innovation and Technology at Sairam College of Engineering, Anekal, on February 13, 2024

Date: February 26, 2024

Introduction: On February 13, 2024, the Centre of Excellence for Drone Innovation and Technology at Sairam College of Engineering, Anekal, organized a seminar on "Innovation Through Drone Technology." The esteemed guest speaker for the event was Surendar, Manager at Aeroknotz Drones India Pvt Limited, Chennai. The seminar aimed to provide valuable insights into the advancements, applications, and future trends in drone technology for all second-year students.

Seminar Highlights:

Introduction to Drone Technology: Speaker commenced the seminar by providing a comprehensive overview of drone technology, its evolution, and the various types of drones available in the market. He emphasized the versatility of drones and their applications across different industries.

Current Applications: The speaker delved into the current applications of drones in industries such as agriculture, healthcare, logistics, surveillance, and more. He showcased real-world examples and success stories, highlighting the positive impact drones have made in various sectors.

Innovation and Trends: Speaker discussed ongoing innovations in drone technology, including advancements in AI and machine learning, increased autonomy, and the integration of advanced sensors. He provided insights into the latest trends shaping the future of the drone industry.

Challenges and Solutions: Speaker addressed the challenges faced by the drone industry, such as regulatory issues, safety concerns, and public perception. He also shared potential solutions and discussed the collaborative efforts needed to overcome these challenges.

Future Prospects: concluded the seminar by discussing the exciting future prospects of drone technology. He explored upcoming developments, such as drone swarms, urban air mobility, and the role of drones in the Fourth Industrial Revolution.

Participation and Feedback: The seminar witnessed active participation from all second-year students of Sairam College of Engineering. The students engaged in interactive discussions, asking insightful questions about the practical aspects and career opportunities in the drone industry.

Feedback from the students was overwhelmingly positive, with many expressing appreciation for the informative and inspiring session. The seminar provided valuable insights into the world of drone technology, fostering enthusiasm among the students for potential future involvement in this dynamic field.The seminar on "Innovation Through Drone Technology" organized by the Centre of Excellence for Drone Innovation and Technology at Sairam College of Engineering was a resounding success. The collaboration with Aeroknotz Drones India Pvt Limited and the insightful presentation by Surendar provided students with a valuable opportunity to gain knowledge about the rapidly evolving field of drone technology. The event not only showcased the current advancements but also inspired students to envision the exciting future possibilities within this dynamic industry.

26/2/24

26/02/2024

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Department of Electronics & Communication Engineering

DATE: 16.02.2024

Submitted,

Sub: WEBINAR REPORT ON "6G INITIATIVES"- reg

With reference to the above subject, We Dept. of Electronics & Communication Engineering, Sri Sairam College of Engineering, Anekal, Bengaluru organized a Webinar on "6G INITIATIVES" on 15th Feb 2024.

The Webinar Program was started at 11.15 AM in AV Hall.. **Dr. A. Poonguzhali**, HOD, Dept. of ECE, delivered welcome address and introduced the Resource Person **Pavithra Nagaraj,Co-Founder & CEO at Brand to Land** ,Bangalore

Department of Electronics & Communication Engineering

Resource Person **Pavithra Nagaraj**, has delivered presentation on the 6G initiatives, explained about what is 6G.

- 6G is short for "6th generation."
- It is going to be the next generation breakthrough technology, which will start hitting the market within the next 4 to 5 years or even earlier.
- Many researchers and companies have already started working on 6G.
- 6G is believed to offer Tbps speeds, 0.1ms latency, connection density of 10 million devices per square kilometer, high reliability, high spectral efficiency and energy efficiency compared to its predecessor 5G.

Also explained about requirements of 6G.

- Support new use cases
- Support large number of devices
- Increase Bandwidth Efficiency
- Energy Efficiency and Battery power optimization
- More speed
- Much lower latency
- More Reliable Networks
- Scalable and Customizable Networks 6

The participants 2nd year & 3rd Year ECE students interacted with Resource person shared their views and got their doubts clarified.

Prof. Savitha H S, delivered vote of thanks. The webinar also supporting our **Sustainable Development Goals – Goal 4 Quality Education.**

Program Coordinator **HOD** **Principal** 17/02/2024

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Department of Electronics & Communication Engineering

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date: 28/02/2024

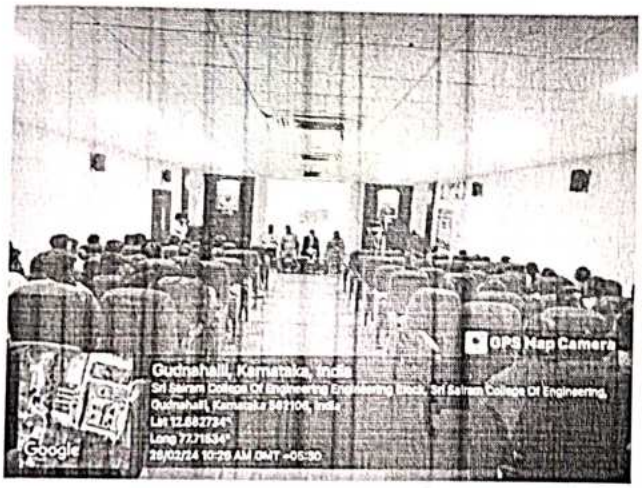
REPORT – WORKSHOP ON "EMBEDDED PCB"

Department of Electronics and Communication Engineering, Sri Sairam College of Engineering, Bangalore has conducted a two-day workshop on "Embedded PCB" during 26/02/2024 to 27/02/2024 for third year ECE students. Dr. Rajesh T, Technical Lead, Innovative Engineering Products, Hosur has been invited as Chief Guest for this workshop.

The Workshop has been inaugurated on 26/02/2024 with the presence of Dr. B. Shadaksharappa, Principal, Sri Sairam College of Engineering, Bangalore, Dr. A. Poonguzhali, Head of the Department, Department of Electronics and Communication Engineering, Sri Sairam College of Engineering, Bangalore, Heads of various Departments, Faculty members and students in AV Hall. The gathering has been welcomed by Dr. A. Poonguzhali, Head of the Department of ECE and felicitated by Dr. B. Shadaksharappa, Principal followed by the speech of the resource person Dr. Rajesh T.

On first day forenoon, oral session has been conducted on understanding of PCB, Different types, Component Identification and Design steps in IoT Laboratory, Department of ECE. During afternoon session Software hands-on session has been given based on the topics understanding the schematic entry, Creating library and components, Preparing schematic, Introduction to PCB layout, Footprints library and browsing, Starting PCB design, Component placement, Setting up rules, Routing and Editing, DRC check, Final output generation and Bill of materials.

On second day, Hands-on session has been given on the topics like Session Sheet cutting, Film exposing and Image impression, Etching, Drilling and Tinning, Soldering, Testing and Troubleshooting. The students have given very good feedback on using Easy EDA tool and satisfied with the hands-on experience in deploying their own circuit on PCB. Students requested to conduct more events on such core topics and interested to attend internship with the invited resource person. The session was very interactive and provided a very good learning platform. Finally, the valedictory has been conducted on 27/02/2024 evening session and certificates has been distributed to the respective students.



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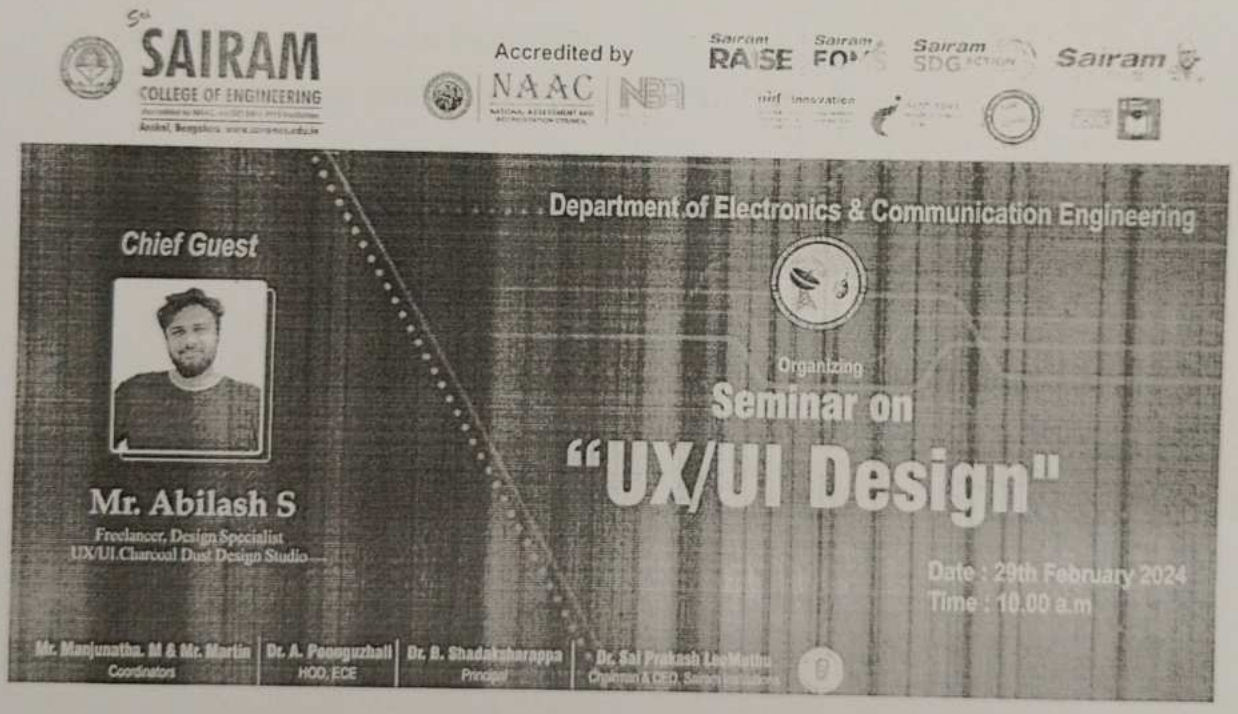
SEMINAR REPORT ON "UX/UI DESIGN"

We Dept. of Electronics & Communication Engineering, Sri Sairam College of Engineering, Anekal, Bengaluru organized a seminar on "UX/UI DESIGN" on 29th Feb 2024.

The Seminar Program was started at 10.00 AM in AV Hall.. **Dr. A. Poonguzhali**, HOD, Dept. of ECE, delivered welcome address and introduced the Resource Person **Mr.Abilash S Freelancer, Design Specialist** UX/UI Charcoal Dust Design Studio.



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Department of Electronics & Communication Engineering

Resource Person **Mr.Abilash S**, has delivered presentation on the UX/UI DESIGN, explained about what is UX/UI DESIGN.

- UX/UI DESIGN is short for "UX/UI DESIGN."
- Many companies have already started working on UX/UI DESIGN.
- UX/UI DESIGN is believed to offer job opportunities for non programming skills candidates aspiring for a lucrative job in the IT Sector

Also explained about requirements of UX/UI DESIGN.

- Support new use cases
- Support large number of software skills
- Explained about the benefits of the course on UX/UI DESIGN

The participants 3rd Year ECE students interacted with Resource person sharedtheir views and got their doubts clarified.

Prof.Martin Joel Rathnam delivered the vote of thanks.

Prof. Manjunatha M honored the Guest by providing a diary.

The seminar also supported our Sustainable Development Goals – UX/UI DESIGN Software design training.

Manjunatha.M
Program Coordinator

6/3/24
HOD

Principal

06/03/2024

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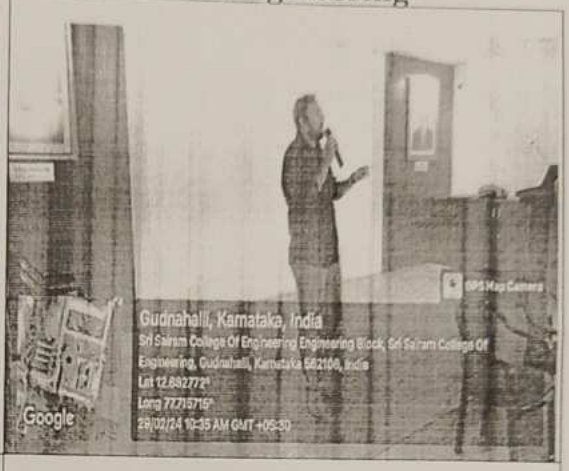

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

REPORT ON INTERNATIONAL WEBINAR ON ENTREPRENEURSHIP

Date: 06/03/2024

Department of Electronics & Communication Engineering, Sri Sairam College of Engineering, Anekal, Bangalore has organized an International Webinar entitled on **"Early Stage Entrepreneurs: Challenges and Opportunities"** under the banner of IEEE Students' chapter in association with Entrepreneurship Development Cell for pre-final year students on 1st of March, 2024. Ms. Sowmya Thyagarajan, Founder and CEO, Foviatech (GmbH), Hamburg, Germany has been invited as chief guest to address the students on the proposed topic of the webinar.

The webinar was Inaugurated through a welcome speech by Dr. A. Poonguzhali, Head of the department of ECE. Our beloved principal, Dr.B. Shadaksharappa, Sri Sairam College of Engineering conveyed the best wishes for organizing such webinars and motivating the students of pre-final years to show their interest in developing their entrepreneurship and leadership skills.

The resource person Ms. Sowmya Thyagarajan. has delivered an inspiring presentation on Entrepreneurship and it was really feeling delighted to have been able to be a part of this and try to continue with the wave approach on society with this positive speech. Around 100+participants joined the session. The important take away of the session was the students learnt how to empower the entrepreneurship skills, how to start the business, trading technologies and how to be updated with the pace of technologies in the field of business. Ms. Sowmya Thyagarajan has added some major insights about funding agencies in and around the world to initiate with start-ups, and some online platforms to find their business partners. She gave insight about how to compete with the competitors and had given exercise for the students to share their entrepreneurship ideas and skills.

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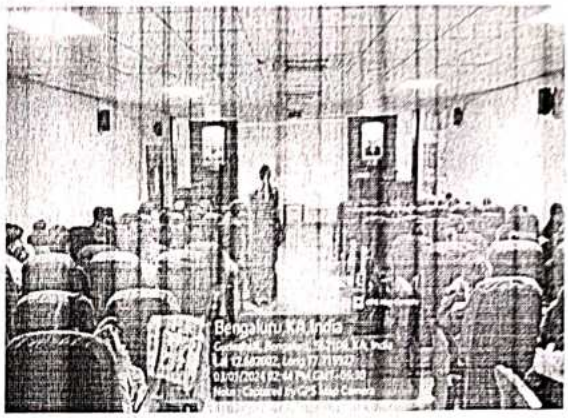
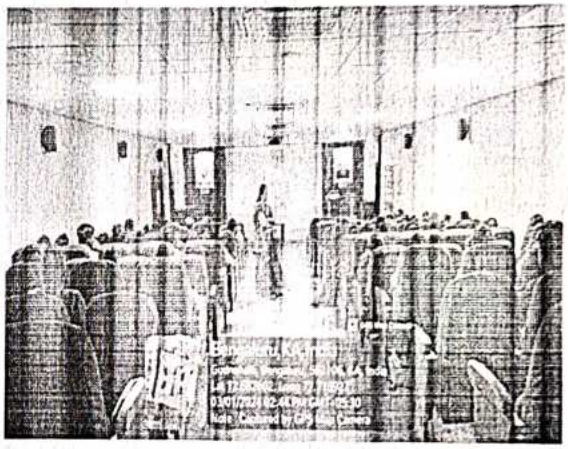
Glimpses of Webinar:





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18.03.2024

Report on Seminar on "Bharat's Semiconductor Moment and QI's Role"

Department of Electronics and Communication Engineering , Sri Sairam College of Engineering, has organized a Seminar for Final year and Pre-final year ECE students on the topic " Bharat's Semiconductor Moment and QI's Role " on 13th March 2024.The Resource Person **is our Alumni Mr.Harsha Neelakanta** Manager, Business Development, **Quantum Innovations Pvt. Ltd, Bangalore.**

The program has started with Invocation Song and Prof. P.Venugopal has given the welcome address. **Dr.A.Poonguzhali**, Professor & Head, Department of ECE has felicitated the Guest. She has briefed the importance of the Seminar and its relevance to Training & Placement. Mrs.S.Geetha, Assistant Professor, ECE has given the Introduction of the Guest.

The Seminar was conducted in AV hall. The students were given insights into the rapid growth of the Electronic industries and recent technologies in AI, VLSI and semiconductor electronics. The resource person has given information about the growing demand for Electronics Engineers in the Semi-conductor industries. The students were advised to equip themselves in the basic Electronics, devices and circuits, digital and VLSI subjects through Certification courses, innovative projects in labs and update their skillset. Also he has stressed on the statement that the enhanced technical knowledge will help them finding a definite place in the Core Companies in India as well around the globe.

Followed by the Seminar, Question and Answer session was there, where the students have given feedback about the Seminar.

The Program has ended with conclusion remarks by Dr. A.Poonguzhali, Professor & Head, and Department of ECE and Vote of Thanks was given by Mrs.Savitha H.S, AP, ECE.

16/4/24 / 16/4/24

Co-ordinators

16/4/24

HOD/ECE

10/06/2024

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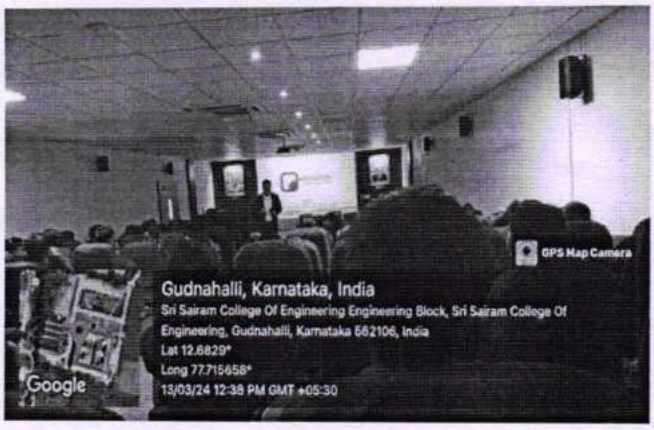
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03.06.2024

Report on Seminar on "IoT Workshop"

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The Inaugural was conducted in AV hall. The program started formally with a welcome address by our Principal Dr.B.Shadaksharappa and Dr.A.Poonguzhali Professor &Head/Department of ECE have felicitated the Resource persons. Principal has briefed the importance of the IoT and its relevance to day to day applications and the industries working on the IoT technologies.

The guest Introduction was given by Mrs.Savitha H.S , Assistant Professor , ECE.

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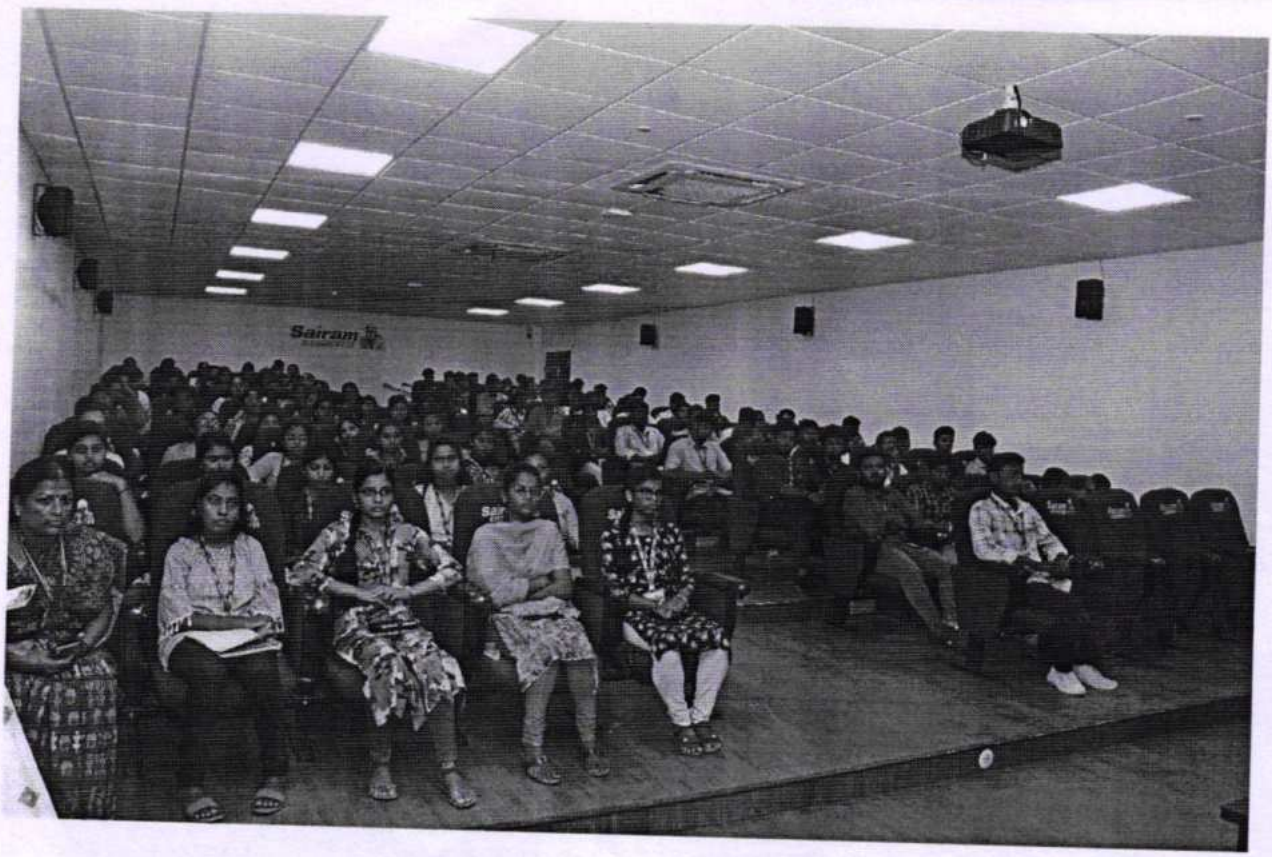


The hands on sessions were given in IoT Lab.

The workshop was conducted as per the below schedule.

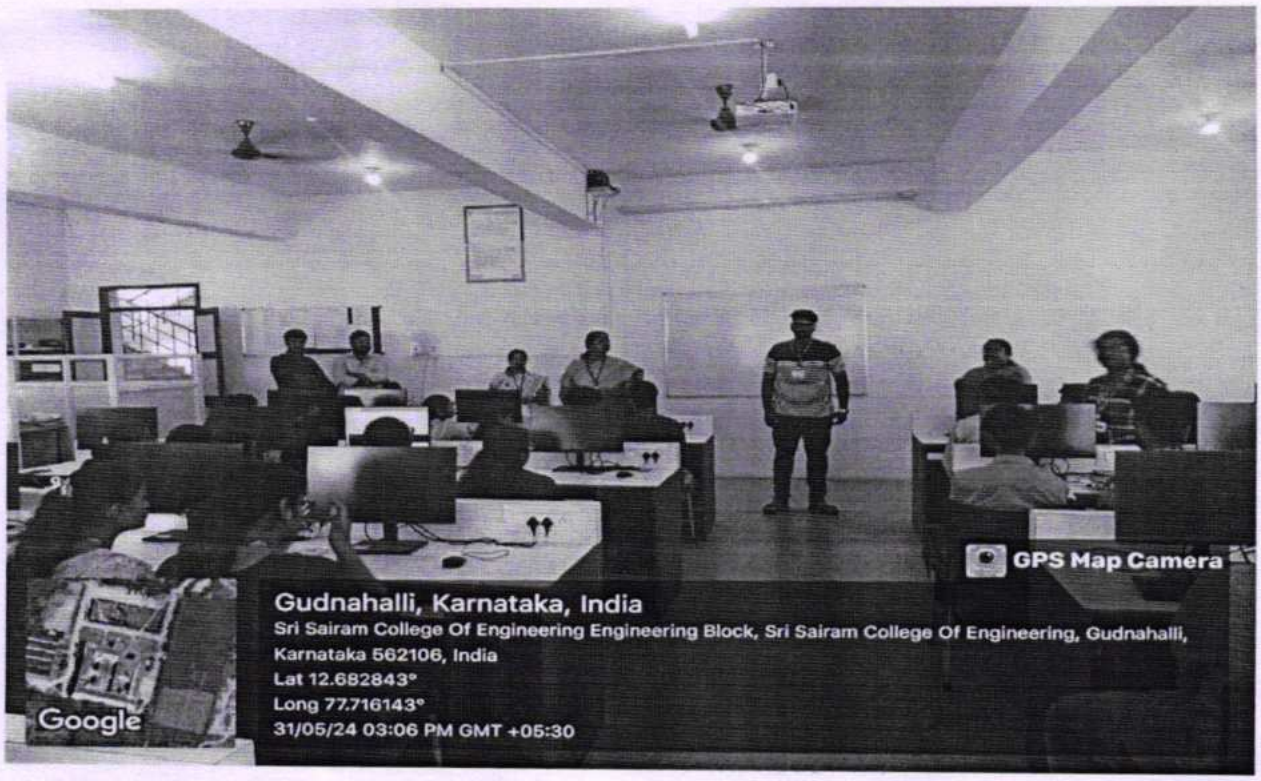
Day 1:

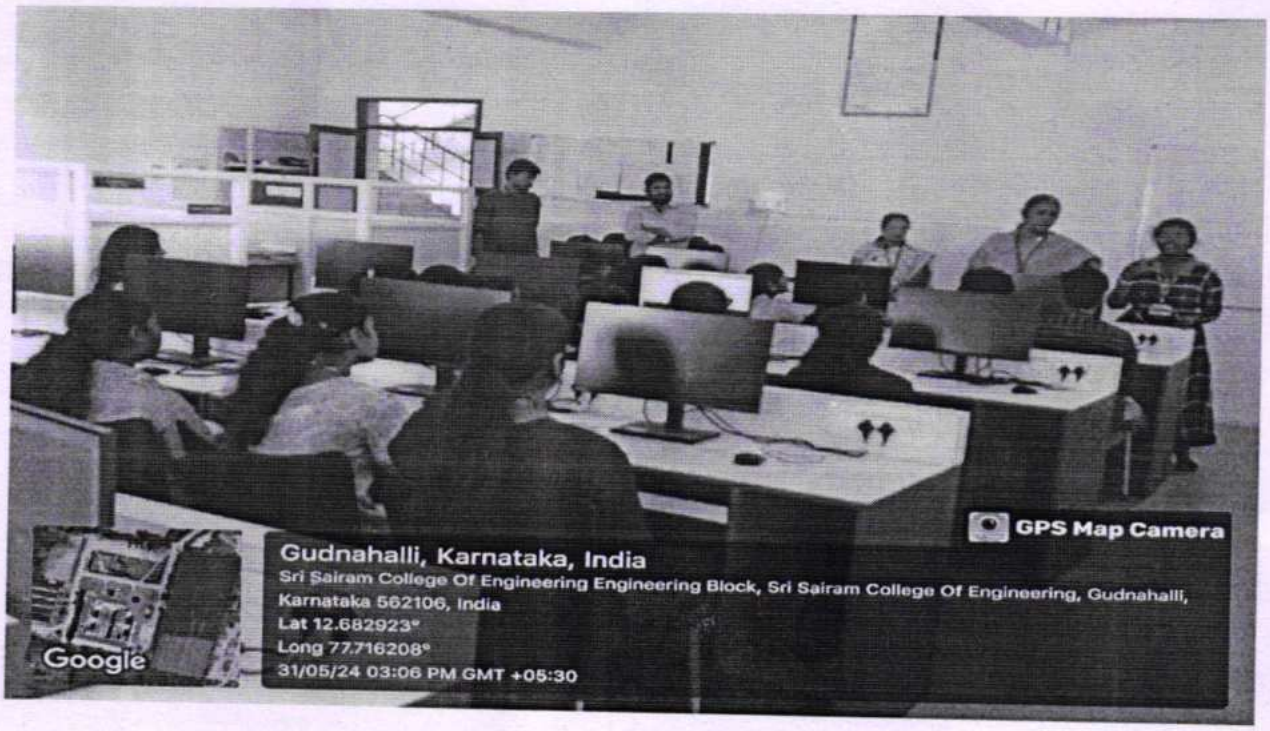
- Hands-On : Open source hardware(ESP32)
- Hands-On : Digital Sensor Interfacing applications
- Hands-On : Actuator Interfacing
- Hands-On : Analog Sensor Interfacing applications
- DIY Session : Application Development using Analog & Digital sensors

Day 2:

- Introduction :Bylnk Cloud or Thingspeak (Standard Cloud)
- Hands-On : Ultrasonic Sensor Interfacing and Data push to cloud
- Hands-On : Analog Sensor Interfacing applications
- DIY Session : Application Development using Analog & Digital sensors
- Hands-On : Actuator Interfacing

The second day, program ended with Valedictory function. Professor and Head, Dr.A.Poonguzhali has given conclusion remarks and asked about the feedback about the workshop from students.Some of the Students have given feedback about the workshop and requested to conduct these kind of workshops in future as well.





3/6/24 | 3/6/24
Co-ordinators

10/06/2024

3/6/24
HOD/ECE

Sri SAIRAM COLLEGE OF ENGINEERING

Department of Computer Science & Engineering

Date :10.07.2024

Submited,

Sub: Report on 2 days hands-on session on "Full Stack Development using Python"-reg.

The Department of CSE from Sri Sairam College of Engineering – Bangalore in association with code Code Club and M-Apps organized two days hands on session on "Full Stack Development using Python" on 8th July 2024 and 9th July 2024 at AV hall for the pre-final year CSE department students.

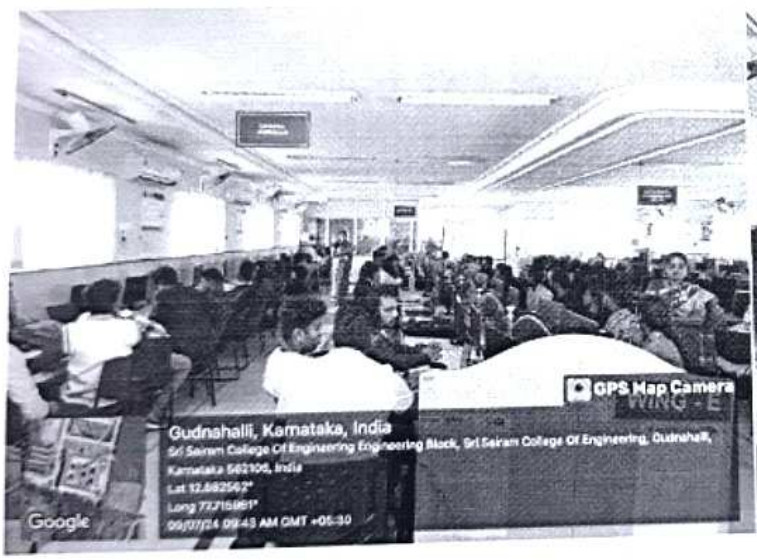
Mr.Jerlin, CPD member, Curriculum Product Development, Networkz System, Trivandrum and Mrs. Abirami.A , Asst.Professor,SCE was the resource person of this training , The inaugural session is started with the Panel of Dignitaries Mr.Jerlin & Abirami .A-Resource Person , and the Head of CSE department-Dr.Smitha JA.

The training was started with the welcome address and the resource person's introduction by Dr.Smitha J A ,head of CSE Department. The training includes the below major topics in Full Stack Development using Python.

Topics Covered

- Front-End Development
- Back-end Development
- Domain Knowledge
- Crud Operations
- Demo Projects – hands on

At the end the training was concluded around 3.45pm with feedback from participants and vote of thanks by Mrs.Dr.Smitha JA- head of CSE.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ADVAYA

Department of Computer Science & Engineering

Date: 22.07.2024

Submitted,

Sub: Report on one day orientation on "Mobile Application Development" –reg.

The Department of CSE from Sri Sairam College of Engineering- Bangalore in association with Code Club and M-apps organized one day orientation on "Mobile Application Development" with an objective of exploring the development of Mobile Application on 18th July 2024 at AV hall for the second year CSE department students.

Mrs.K.Karthika, Assistant Professor,CSE,SSCE delivered the orientation on mobile application development on 18th July 2024. In the complete one day session, the students learned about how to develop mobile application and experienced hands-on session in the afternoon session.

22/7

22/07/2024

22/7

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ADVAYA

Department of Computer Science & Engineering

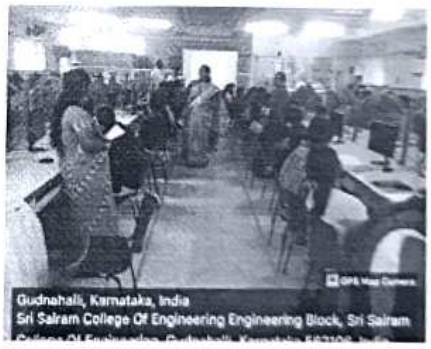
Date: 18.07.2024

Submitted,

Sub: Report on two days hands-on session on "Web Technology and its Applications" –reg.

The Department of CSE from Sri Sairam College of Engineering- Bangalore in association with code Code Club and M-apps organized two days hands-on session on "Web Technology and its Applications" with an objective of exploring the web page creation using HTML and CSS and connectivity with back end server on 15th and 16th July 2024 at AV hall for the second year CSE department students.

Mrs.C.Valarmathi, Assistant Professor ,CSE,SSCE delivered the introduction to web,HTML tags and CSS selectors on 15th July 2024 in CSE lab II. It was a demo session with HTML table designs, image rendering and HTML form creation. Ms. Aroma Chandrashekar and Mr.Srinath D, Technical Trainers, Networkz System, Trivandrum were the resource persons on 16th July 2024. They delivered introduction to JavaScript, jQuery Syntax and Bootstrap 5. In the complete two days sessions, the students learnt various web development tools and their usages.



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ADVAYA

Department of Computer Science & Engineering

Date: 23.07.2024

Submitted,

Sub: Report on Guest lecture on the title of "Fundamentals of Image Processing" –reg.

The Department of CSE from Sri Sairam College of Engineering, Bangalore organized guest lecture on session on "Fundamentals of Image Processing" with an objective of exploring Image enhancement and Image segmentation processes on 23th July 2024 at AV hall for the pre-final year CSE department students.

Dr. M.Menagadevi, Assistant Professor, Malla Reddy University, Hyderabad was the resource person of this guest lecture. The session was started with the welcome address and the resource person's introduction by Dr.Smitha J A, Head of CSE Department. It was an insightful delivery of the various techniques in Image processing and its industrial applications given by the resource person. The session was concluded with the vote of thanks by Mrs.Karthika K –Event coordinator, CSE, SSCE.

23/7/24

23/7/24

23/7/24

26/07/2024

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ADVAYA

Department of Computer Science & Engineering

Date: 29.05.2024

Submitted,

Sub: Report on one day hands on session on "Data Science and Visualization using PowerBI" –reg.

The Department of CSE from Sri Sairam College of Engineering- Bangalore in association with code Code Club and M-apps organized one day hands on session on "Data Science and Visualization using PowerBI tool" with an objective of exploring the PowerBI tool in data science and big data field on 28th May 2024 at AV hall for the pre-final year CSE department students.

Mr.Avinash S Kumar, CPD member, Curriculum Product Development, Networkz System, Trivandrum was the resource person of this training. The inaugural session is started with the Panel of Dignitaries Mr.Avinash S Kumar –Resource person, and the Head of CSE department – Dr.Smitha J A.

The training was started with the welcome address and the resource person's introduction by Dr.Smitha J A, Head of CSE Department. The training includes the below major topics in Data science and visualization using PowerBI.

Topics Covered:

1. Introduction to Power BI
2. Setup and Installation
3. Dashboard and Report Design
4. Data Visualization
5. Power BI Mobile

At the end the training was concluded around 3.45 pm with feedback from participants and vote of thanks by Mrs.C. Valarmathi –Code Club coordinator, SSCE.

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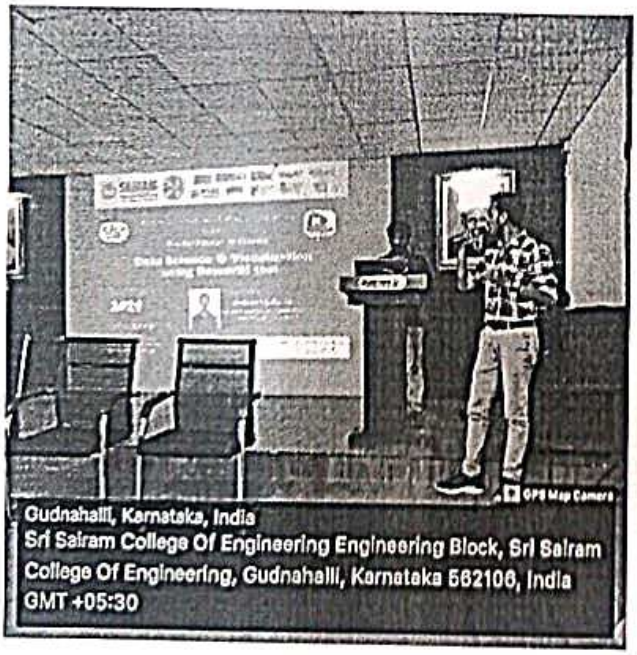
ADVAYA

Department of Computer Science & Engineering



30/5/24

31/05/2024

C. Valarmathi
AP/CSE, SSCE.

K. KARTHIKA
AP/CSE, SSCE

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ADVAYA

Department of Computer Science & Engineering

Date: 21.05.2024

Submitted,

Sub: Report on PY_HUNT competition –reg.

The PY-HUNT- an inter college competition on "Web Applications using Python" which was held on 16th May 2024. The Department of CSE from Sri Sairam College of Engineering- Bangalore in association with code Code Club and M-apps organized PY-HUNT with an objective of encouraging students to explore knowledge in creating web applications using python and by exploring the web frameworks like Flask, Django and etc. It was conducted in two Rounds: Round 1- Quiz on python: This round involves a quiz which consists of 50 multiple choice questions on basics of python which was conducted in 40 minutes duration. Round 2- creations of web applications using python: Each participant will be assigned the questions about the creation of web applications like portfolio web page, Weather App, Feedback Form and etc. which should be coded using python. The inaugural session consisted of panel dignitaries Principal – Dr.B. Shadaksharappa, Head of CSE Department – Dr.Smitha J A.

Almost 90 students including other institutions were participated in first round. The thirteen students were selected to second round. The innovation in web page creation and the connection between front end and backend was evaluated by Dr.Mahesh A , Professor/CSE, Dr.vinola C, Associate Professor/CSE and Mrs.M.Rizvana AP/CSE. The winners of the PY-HUNT are

1. Mr.Sandeep Singh shekhawat –III rd Year AIML- I st prize.

2. Gopal N –II nd Year AIML-II nd Prize.

3. Rohit K-II nd Year CSE and Thrivikram G-II nd Year ISE –III rd Prize.

The achievement certificates along with momentous are distributed to the winners on 21st May 2024.Finally vote of thanks was delivered by Mrs.Karthika K - M-apps Club coordinator.

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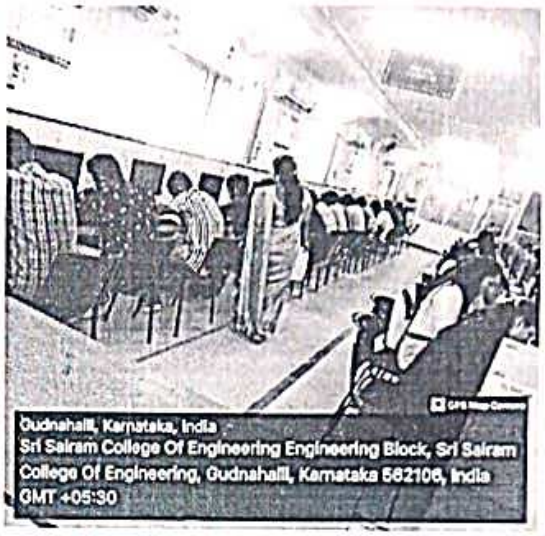

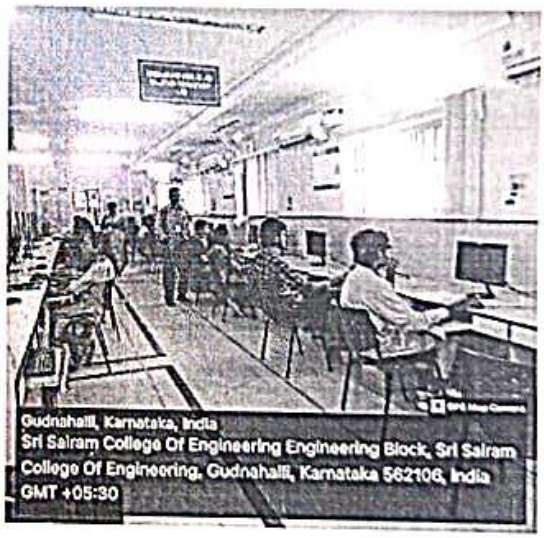

Head
21/5/24.

Valarmathi .C
AP/CSE

KARTHIKA K.
AP/CSE

23/05/2024

Date: 18/03/2024

Submitted,

Sub: Report on Advaya 2K24-Technical Symposium and Hackathon – reg.

With Respect to the above subject, herewith submitting the report on Advaya 2K24-Technical Symposium and Hackathon which was organized by the department of Computer Science and Engineering on 6th and 7th March 2024.

The program was graced and inaugurated by chief guest –MR.Srinivasan V, Management Consultant. The Panel of Dignitaries that consisted of the Chief Guest – Mr.Srinivasan V, Management Consultant, Principal – Dr.B. Shadaksharappa, Management Representative-Dr. Arun Kumar, Head of CSE department – Dr.Smitha J A and Chief Account Trust officer MR.Gajendra.

The inaugural session was started with the welcome address by Dr.Smitha J A, Head of the CSE Department, Unveiling the event's highlights by Mrs.C.Valarmathi –Advaya2k24 Coordinator, Issuance of periodicals by the diginarities and Presidential address by Dr.B. Shadaksharappa, The Principal, SSCE.

The felicitation address was given by the Management Representative Dr. R. Arunkumar who was very much impressed by the video presentation made by our students which gave the glimpse of Advaya fest from 2015-2024. The chief guest MR.Srinivasan V delivered insightful presentation on impact of AI technologies. The program was graced by many dignitaries including all the heads of other departments, evaluators of Hackathon, jury members of various technical events and faculties. Finally, vote of thanks was addressed by Prof. Jenifer A- Advaya2K24 Coordinator.

The events conducted in technical Symposium includes 8 technical events namely Paper Presentation - 50 papers, Debugging -45 participants, Chatbot creation - 7 teams, video making - 10 participation , Technical Quiz -60 participants, Webathon-30 participants, mobilothon -15 participants and connections- 25 teams which comprises of around 110 registrations.

The 24 hours Hackathon was started at 11.00 am on march 6th 2024 and ended at 12.00 noon on march 7th 2024 with 16 teams each comprises of 4 members per team. It was conducted in three evaluation rounds in three panels during Hackathon period. The academicians, Industry experts and researchers are invited as evaluators of Hackathon. The task completion and novelty of the work are assessed during this period.

All the above mentioned events were conducted in various venues under the SDG goals like Goal 5-Gender Equality, Goal 8-Decent work and economic growth, Goal 9-Industry Innovation and Infrastructure and etc.

The Valedictory session was started on March 7th 2024 at 2.00pm onwards with chief guest – Mr.Victor Sundaraj Associate vice president, Infosys Pvt.Ltd., with the all dignitaries in inaugural session .The prizes and certificates were distributed by Chief guest, Principal and HOD/CSE. Finally vote of thanks was delivered by Ms.Mounicca -Advaya student coordinator. The program was successfully ended with our national anthem.

19/3/24.

7/3/24

Advaya 2024 - coordinator

20/03/2024

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ADVAYA

Department of Computer Science & Engineering

Date: 19.07.2024

Submitted,

Sub: Report on one day Guest Lecture on "NO SQL DATABASES & BIG DATA STORAGE SYSTEMS"-reg.

The Department of CSE from Sri Sairam College of Engineering- Bangalore, organized one day Guest Lecture with hands on session on "NO SQL DATABASES & BIG STORAGE SYSTEMS" using MongoDB tool" with an objective of exploring the MongoDB tool in DBMS field on 19th July 2024 at Seminar hall for the Second year CSE department students.

Mr. Raghu Prasad, CEO,Kausalya Technical training and Consultancy services, Bangalore, India. was the resource person of this training. The inaugural session is started with the Panel of Dignitaries Mr.Avinash S Kumar –Resource person, and the Head of CSE department – Dr.Smitha J A.

The training was started with the welcome address and the resource person's introduction by Dr.Smitha J A, Head of CSE Department. The training includes the below major topics NO SQL DATABASES & BIG STORAGE SYSTEMS in using MongoDB.

Topics Covered:

1. Introduction to NOSQL Systems
2. The CAP Theorem
3. Document-Based NOSQL Systems and MongoDB
4. NOSQL Key-Value Stores
5. Column-Based or Wide Column NOSQL Systems
6. NOSQL Graph Databases and Neo4j

At the end the training was concluded around 3.45 pm with feedback from participants and vote of thanks by Mrs.Suguna.A, & Mr.Reji Thomas ,Coordinator's, SSCE.

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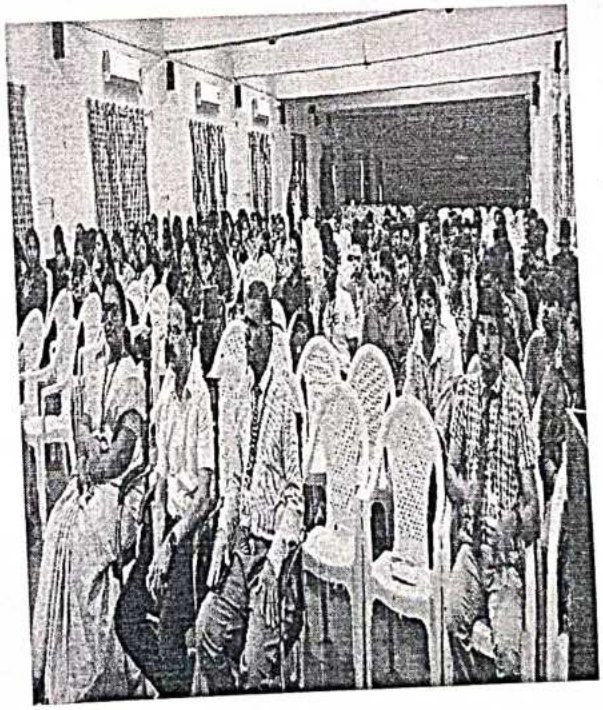
Department of Computer Science & Engineering



02/08/2024

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Date: 09.12.2023

Submitted to the Principal,

Sub: Report on one Day certificate program titled "Hands-on Generative AI Workshop" on 8th Dec 2023 through online mode for all year of EEE students during the academic year 2023-24 – Reg.

One Day certificate program on "Hands-on Generative AI Workshop" organized by Department of Electrical and Electronics Engineering for 2nd, 3rd and final year of EEE students on 8th Dec 2023 with the full support of Dr.B.Shadaksharappa, Principal. The main objective of this workshop is that Generative AI is trending because of the latest interesting developments in the field. The workshop experience is designed to provide an immersive and enlightening introduction to generative AI.

Dr.S.Sujatha, HOD, EEE and also Convenor of the workshop was addressed about the resource person Mr.Trivikrama, AI Expert, IIT Delhi and importance of workshop for motivating the students to have active participation in this workshop and encouraged the students to complete this workshop successfully within the period to get e-certificate.The faculty coordinators of this workshop were Dr.R.Gunasekari, Associate Professor & Prof.Lakshmi.K, Assistant Professor, Dept. of EEE. After addressing the HOD, EEE, the workshop was started on the same day @ 9.30 am.

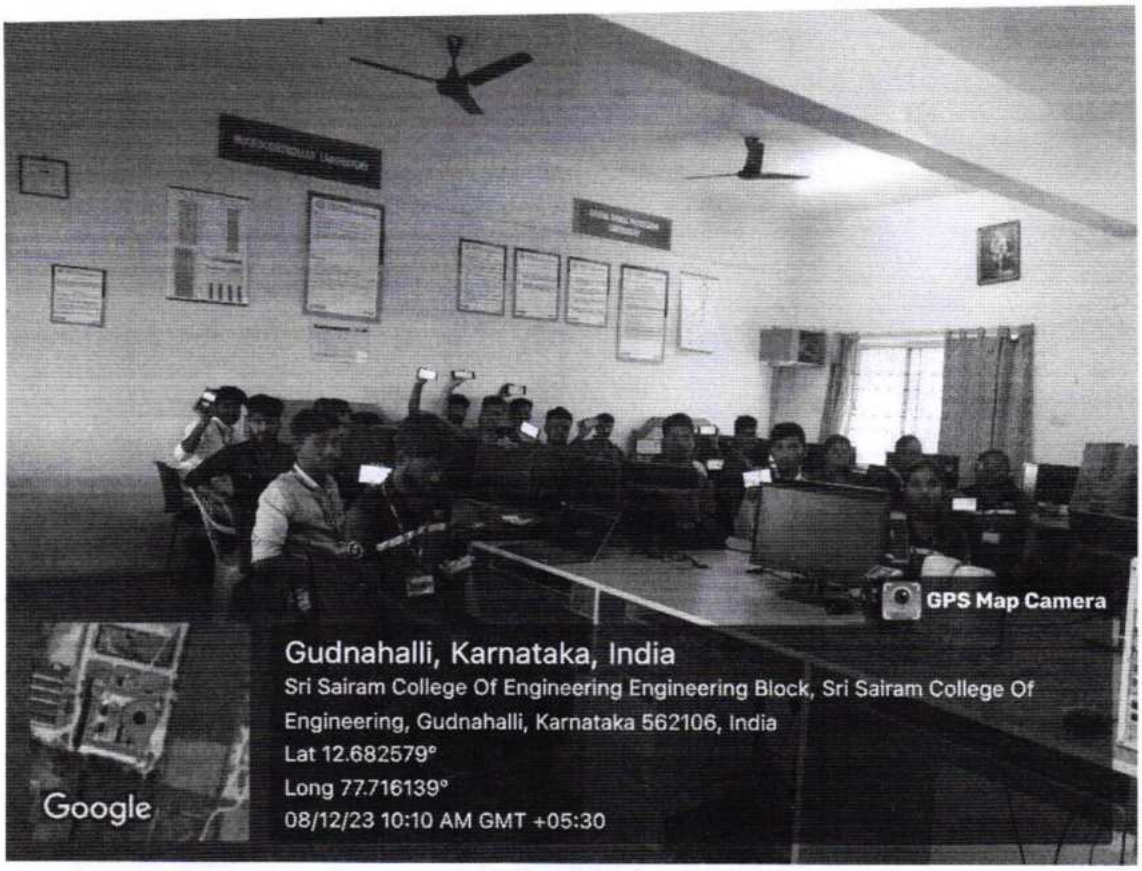
After attending this workshop, students were gained a solid foundation in generative AI, an understanding of difference between analytical AI & Generative AI and its tools and applications, and the knowledge to navigate its ethical landscape.

List of Students Enrolled for one day workshop titled "Hands-on Generative AI"

SL. NO.	USN	NAME OF THE STUDENT
1.	1SB21EE002	ADIL BASHA A
2.	1SB21EE003	ANKITHA D
3.	1SB21EE005	CHANDANA C
4.	1SB21EE006	DHANALAKSHMI L N
5.	1SB21EE007	DIVYASHREE R
6.	1SB21EE008	GAGAN S
7.	1SB21EE009	HARINI R
8.	1SB21EE010	HARSHA A S
9.	1SB21EE011	JYOTHI D
10.	1SB21EE012	KARTHIK M S

11.	1SB21EE013	KEERTHI CHOWDARY G
12.	1SB21EE014	L YASHWANTH
13.	1SB21EE015	LAVANYA A
14.	1SB21EE016	M CHETHAN
15.	1SB21EE017	MAMATHA J
16.	1SB21EE018	MEGHANA V
17.	1SB21EE019	OM SARAVANAN D
18.	1SB21EE020	PALLAVI P
19.	1SB21EE021	PRUTHVIRAJ
20.	1SB21EE023	SHREYA S
21.	1SB21EE024	SPURTHI R
22.	1SB21EE025	SUHAS M
23.	1SB21EE026	SUKANTHRAJ R
24.	1SB21EE027	SYED ADNAN
25.	1SB21EE028	VEMALA YASHWANTHKUMAR
26.	1SB22EE400	ARJUN M
27.	1SB22EE401	PUNEETH B ANURA
28.	1SB22EE402	SHANKARAREDDY L S
29.	1SB22EE403	UDAYAKIRAN M
30.	1SB20EE001	ABHISHEK NAIK G
31.	1SB20EE002	CHANDAN HC
32.	1SB20EE003	GURUSWAMY K N
33.	1SB20EE004	HANAMANT KOLAR
34.	1SB20EE005	INDIRA J
35.	1SB20EE006	CHITRA LINGA K
36.	1SB20EE007	MADHU M
37.	1SB20EE008	MOHAMMED MUSTAFA
38.	1SB20EE009	MOHAMMED SAADULLAKHAN
39.	1SB20EE010	MUJAHEED AHMED
40.	1SB20EE011	NARASANNA .D
41.	1SB20EE012	PALLAVI S
42.	1SB20EE013	RAMESH .S
43.	1SB20EE014	SACHIN MARAGAPPA KATTIMANI
44.	1SB20EE015	SAIRAM K V
45.	1SB20EE016	SANDHYA S
46.	1SB20EE017	SOMAGUTTA SUSHMITHA
47.	1SB20EE018	VINAY S
48.	1SB20EE019	VINEETH .N
49.	1SB21EE400	ABDUL KALAM
50.	1SB21EE401	DEEKSHITHA S
51.	1SB21EE402	SHESHADRI R

52.	1SB22EE001	AKSHITHA R
53.	1SB22EE002	ALFIYA
54.	1SB22EE003	BRUNDA V GOWDA
55.	1SB22EE004	CHANDAN R
56.	1SB22EE005	CHANDRASHEKAR G P
57.	1SB22EE006	CHINGREISO KASHUNG
58.	1SB22EE007	DEEPAK M
59.	1SB22EE008	GAYATHRI REDDY K
60.	1SB22EE009	GAYATRI
61.	1SB22EE010	H THEJASHWINI
62.	1SB22EE011	HARSHITH RAMAN R
63.	1SB22EE012	INDUPRIYA B
64.	1SB22EE013	JAYANTHI
65.	1SB22EE014	JAYASIMHA H
66.	1SB22EE015	KEERTHI R
67.	1SB22EE016	LAVANYA N
68.	1SB22EE017	MURALIDHARA C G
69.	1SB22EE018	RANJITH B C
70.	1SB22EE019	S KUSHI
71.	1SB22EE020	SHOBITHA M
72.	1SB22EE021	SHREYANKA Y H
73.	1SB22EE022	SINCHANA T R
74.	1SB22EE023	SNEHA R
75.	1SB22EE024	SUMANTH S
76.	1SB22EE025	SUVARNA N C
77.	1SB22EE026	TILAK PATEEL K C
78.	1SB22EE027	VISHWANATH B R
79.	1SB22EE028	VISHWAS H M
80.	1SB22EE029	YADDALAPURI REDDY PRASAD
81.	Lateral Entry	SAQCAIN KHAN
82.	Lateral Entry	S ELAM SINGAM
83.	Lateral Entry	NAGARAJ
84.	1SB18EE001	AJAY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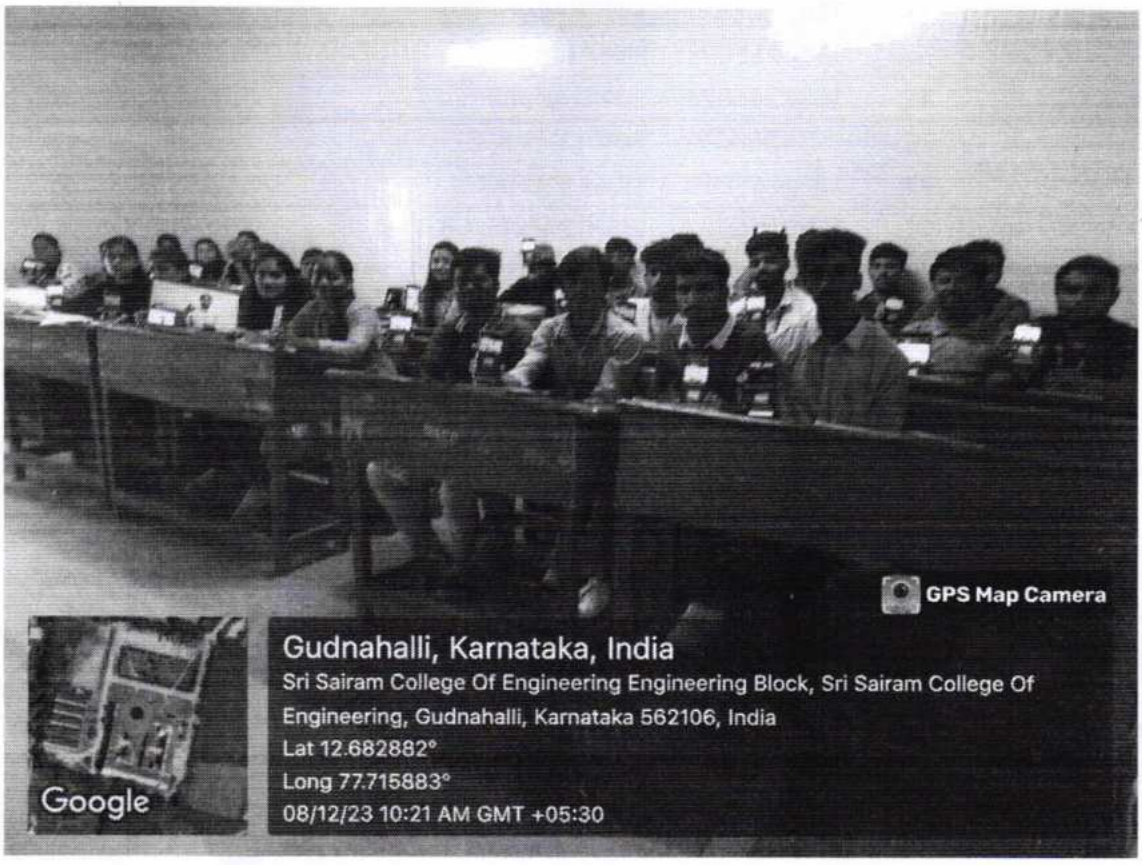
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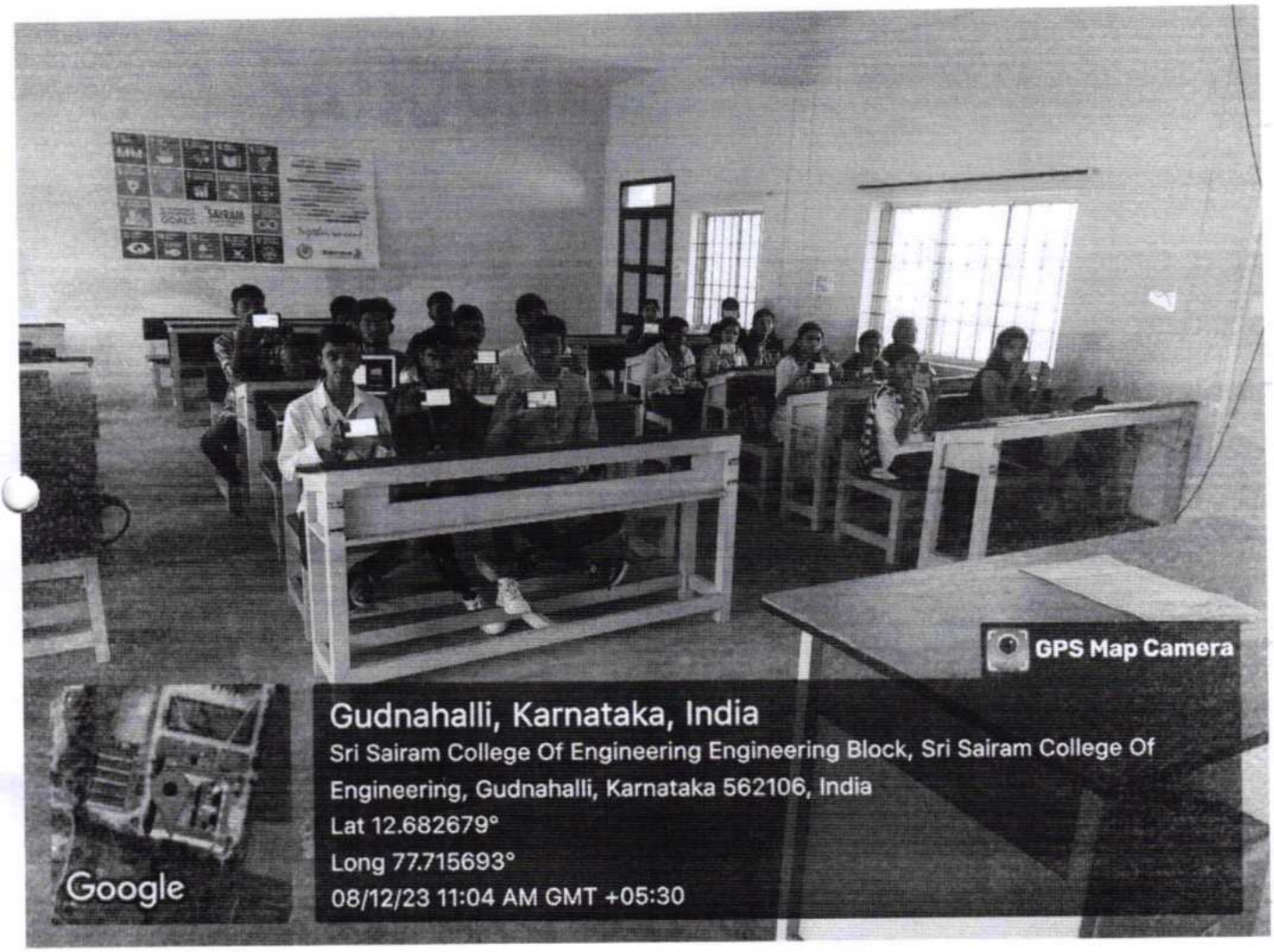

9/12/23

Coordinators
(Dr.R.Gunasekari & Prof.Lakshmi.K)

9/12/23

Head of the Department
(Dr.s Sujatha)

Head of the Department
Electrical & Electronics Engineering
Sri Sairam College of Engineering
Anekal, Bengaluru - 562 106.

14/12/2023

Principal
(Dr.B.Shadaksharappa)

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REPORT ON CURRENT TRENDS IN PV SOLAR POWER GENERATION WORKSHOP – 11/12/2023

The department of Electrical & Electronics Engineering had organized a workshop on **"CURRENT TRENDS IN PV SOLAR POWER GENERATION"** in association with **Indian Society for Technical Education** and on **11/12/2023** at Sir. M.Visveswaraya Audio - Visual Hall. The Program was organized to up skill the students with the current trends in Solar power generation by **Mr. SURESH A, Product Application Manager, Sungrow, southern African Region**. Dr. S SUJATHA, Head of the Department, Electrical & Electronics Engineering addressed the gathering with a welcome address. Dr. S SUJATHA addressed the students with the importance of usage of renewable energy in our society. Dr. S SUJATHA spoke about the advancement of technologies and ongoing research and development that is happening in the industry for better energy storage solutions, and innovations in system design and integration. The implementation of current trends with modern and smart technologies (including IoT (Internet of Things) devices and sensors) in solar PV generation allow better management of energy production and consumption, enabling a more reliable and stable power supply. She thanked Mr. SURESH A, Product Application Manager, Sungrow, Southern African Region for this initiative of skilling and upskilling our educators on current trends with modern and smart technologies in Solar PV System.

The session commenced with Mr. SURESHA A who elaborated the businesses that incorporate solar PV projects into Corporate Social Responsibility initiatives took to demonstrate the commitment taken towards sustainability and environmental responsibility. Installing solar panels can help companies meet renewable energy targets and reduce their carbon footprint. Businesses often drives with innovation in solar PV technology. This includes advancements in solar panel efficiency, energy storage solutions, and smart grid technologies. Innovation contributes to the overall growth and competitiveness of the solar industry. He spoke about Adithyamitra's PV Lighting Systems and the technologies involved in making smart integrated control system with power generation, storage and maintenance system, CFL / LED lamp, battery, control electronics,

Solar Photo Voltaic Module, Mounting structure and associated hardware. Also he explained about the businesses involved in solar PV may engage with energy markets, selling excess electricity back to the grid or participating in energy trading. This can be a source of additional revenue for both utility-scale and distributed solar projects.

Participants expressed their happiness and thanked the session spearker Mr. SURESHA A for providing a wide in-depth knowledge towards innovation that was taking place in solar PV generation and how the businesses is playing a significant role in the development, operation, and success of solar photovoltaic (PV) power plants.

The formal vote of thanks was proposed by Prof. PRASHANTHA K, Department of Electrical & Electronics Engineering and thanked session speaker Mr. SURESHA A, principal Dr. B. Shadaksharappa and Management Representative Dr. R. Arunkumar for their support and motivation. Also he expressed his heartfelt thanks to all Co organizers, teaching, Non-teaching for extending their support towards the success of this event.

Dr. S SUJATHA
Head of the department - EEE

11/12/2023

Head of the Department
Electrical & Electronics Engineering
Sri Sairam College of Engineering
Anekal, Bengaluru - 562 106.

Date 04/03/2024

MILAGRO-2024

Submitted to Principle

Sub:- Report on MILAGRO 2024

The department of Electrical and Electronics Engineering organized Techno Cultural Fest "Milagro 24" on 04th March 2024.

The formal inaugural function started by invoking with the lighting of the lamp by dignitaries. The dignitaries were Dr. B.Shadakshrappa, Principal, Dr.R.Arunkumar, Management Representative, Mr.Patel, , Dr. SUJATHA.S Head, Dept. of EEE Chief Guest Ms.Saipriya M Backend Developer,IBM Bangalore, and Mr.GLEN Paul Senior Business Analyst at Lead Squared Banglore, The welcome address was delivered by Head of department Dr.SUJATHA.S who welcomed the dignitaries on and off the dias. The chief guest was welcomed with a bouquet and memento by principal Dr.B.Shadakshrappa. The presidential address was delivered by respected principal who appreciated the EEE department for its good efforts in making it as an trend setter department. He appreciated the department for its motivation to give the memorable moments for the students through various quality initiatives. He advised the students to participate and develop their managerial skills through activities.

The event was inaugurated by the chief guest. In his address he highlighted the industrial revolution stage, the importance of skills for an electrical engineer and the ways to become successful with the advancement of engineering knowledge. He appreciated the institution for its initiative to develop the leadership skills which are very much essential to be a successful professional. Dr.Ramya proposed vote of thanks and appreciated the team spirit, dress code and wished the department for the smooth conduction of the program.

Technical Symposium, Technical Paper presentation, Technical Quiz, are the events conducted on the day.

On the valedictory function was conducted. Mr. Patel, PRO, Mr.Gajendra CAO were the Guest for the valedictory function. After the special address by the invitees, prizes, mementoes and certificates were distributed to winners of the various events.

The program was concluded with the vote of thanks by Dr. SUJATHA.S, Head Dept. of EEE. We wholeheartedly thank Principal, Management, teaching and non-teaching staff, students for their support and involvement in conducting the event successfully.

4/3/24

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04/03/2024

PRINCIPAL
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Sri SAIRAM COLLEGE OF ENGINEERING
Anekal, Bengaluru

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Report on ASIC designing using siemens EDA tools webinar - 2/5/2024", timing 02:30 PM to 04:30 PM.

The Program was started on 2.30- pm. Mr. Vinnalan K A , Application engineer, CoreEL Technologies, Bangalore started his presentation. The content covers the following details.

Designing ASICs (Application-Specific Integrated Circuits) using Siemens EDA (Electronic Design Automation) tools involves a comprehensive process aimed at creating customized integrated circuits tailored for specific applications. Siemens EDA, formerly known as Mentor Graphics, offers a suite of advanced tools and platforms to facilitate various stages of ASIC design, from initial concept to fabrication. Here's an overview of the ASIC design process using Siemens EDA tools:

Specification and Architecture: The ASIC design process begins with defining the specifications and architecture of the integrated circuit. This involves understanding the requirements of the target application and determining the functionalities, performance, power consumption, and other key parameters of the ASIC.

RTL Design: Register Transfer Level (RTL) design involves creating a high-level representation of the ASIC using hardware description languages (HDLs) such as Verilog or VHDL. Siemens EDA tools like ModelSim provide simulation and verification capabilities to ensure the correctness and functionality of the RTL design.

Verification and Validation: Verification is a crucial step to ensure that the RTL design meets the specified requirements and behaves correctly under various conditions. Siemens EDA offers tools like Questa Verification Platform, which includes advanced simulation, formal verification, and emulation capabilities to verify the design thoroughly.

Synthesis: Once the RTL design is verified, it is synthesized into a gate-level netlist. Synthesis tools like Precision Synthesis utilize advanced algorithms to optimize the design for performance, area, and power consumption while meeting the timing constraints.

Physical Design: Physical design involves the placement and routing of the synthesized logic onto the target ASIC architecture. Siemens EDA tools like Calibre enable physical verification, design rule checking (DRC), and layout vs. schematic (LVS) checks to ensure the manufacturability and reliability of the design.

Timing Closure: Achieving timing closure is essential to ensure that the design meets the required timing constraints and operates at the desired frequency. Siemens EDA tools provide features such as static timing analysis (STA) and optimization techniques to address timing issues and close timing paths.

Design for Testability (DFT): DFT techniques are employed to ensure the ease and efficiency of testing the ASIC after fabrication. Siemens EDA tools offer solutions for inserting test structures, such as scan chains and built-in self-test (BIST) circuits, and performing test pattern generation and fault simulation.

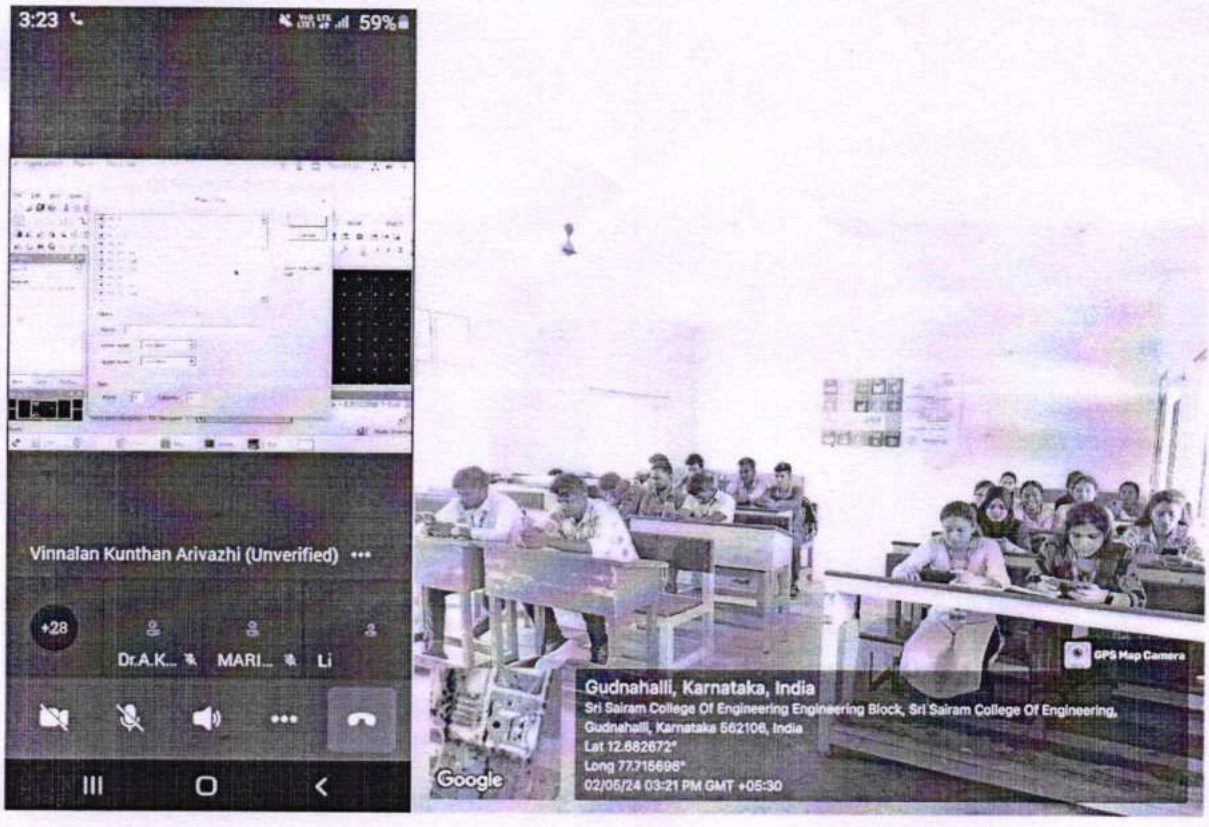
Physical Verification: Before tape-out, the ASIC design undergoes rigorous physical verification to ensure compliance with foundry-specific design rules and standards. Siemens EDA tools like Calibre are used for DRC, LVS, and electrical rule checking (ERC) to detect and resolve any layout-related issues.

Tape-out: Once the ASIC design passes all verification and validation checks, it is ready for tape-out, where the final design data is sent to the semiconductor foundry for fabrication.

Post-Silicon Validation: After fabrication, the fabricated ASIC undergoes post-silicon validation to ensure that it performs as expected in real-world conditions. Siemens EDA tools may also be used for post-silicon validation, including debugging and characterization of the ASIC.

Throughout the ASIC design process, Siemens EDA tools provide a comprehensive set of features and capabilities to streamline the design flow, improve productivity, and ensure the quality and reliability of the final ASIC product.

The screen shot of the webinar and student presence.



3/5/24

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04/05/2024

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08/05/2024

Report on PROJECT EXPO CARPE DIEM '24 SEIZE THE DAY

Department of Electrical and Electronics Engineering in association with **SLMIC** had successfully organized **CARPE DIEM '24, Project Expo** on 8th May 2024.

The inaugural session of the project began with lighting of the lamp by the dignitaries followed by the invocation song. The dignitaries, Chief Guest M**r. Prabhuram**, Co-Founder & Managing Director, Alubee Die Casters Pvt. Ltd, Hosur, **Dr. B. Shadaksharappa,** Principal, SSCE, Anekal, D**r. R. Arun Kumar,** Management Representative, SSCE, Anekal were present along with HODs of all departments and jury members.

The Presidential Address was rendered by **Dr. B. Shadaksharappa,** Principal. He invited the juniors to learn from the projects done by their seniors and develop the alternative solutions for the problems identified. He also convinced them about the importance of developing innovative ideas, products, prototypes and to utilise the facilities available in the institution for the same.

Prof. Malini, Head-Corporate Academia Relationships and IEDC Coordinator introduced the guest and joined hands with the dignitaries in felicitation of the guest

Dr. Arun Kumar in his welcome address mentioned that the our founder chairman **MJF Lion Leo Muthu**'s visions were adopted by Sairam group of institutions as quality initiatives and they have now become the statutory requirements in the various accreditation process

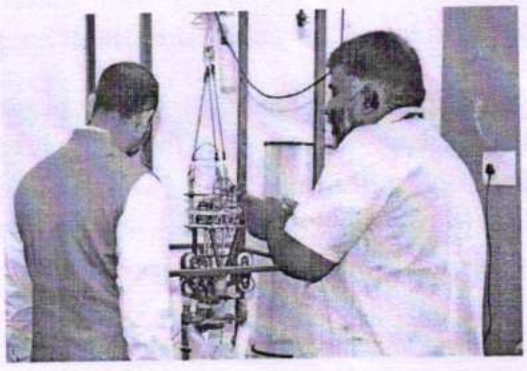
Mr. Prabhuram delivered special address in which he insisted on the necessity of innovation in student's project and explained how those innovative ideas help the society, once they turned into the reality. He motivated the students to dream big and claimed that if the students are focused on their destination, no force can restrain their progress.

The expo venue, Seminar Hall opened for visitors by official ribbon cutting ceremony by the dignitaries. Chief Guest and other dignitaries witnessed the students projects

The evaluators invited for the Project Expo are Mr. Krishnamoorti, Systems Engineer, Infosys, Ms. Sonal R, Azure Data Engineer TCS, Mr. Hemanth Rao, Centre Manager, Comekares Innovation Hub, Bengaluru and Mr. AVINASH M.G. AGCO Corporation Product Performance Manager, Massey Ferguson's Global Technology Centre.

The evaluators have evaluated the projects exhibited and gave some inputs on the improvement of these projects.

The evaluators critically evaluated the projects exhibited from the final year students of Dept. of CSE, ECE, EEE & Mechanical Engg. based on the parameters of innovation, prototype, social relevance and market orientation.



The following projects have been selected as best projects in respective disciplines.

1. Dept. of Computer Science and Engineering – IOT Based Foot Pressure Monitoring System using ML Algorithms

2. Dept. of Electronics and Communication Engineering – Helmet Mounted ADAS for Enhanced Safety and Awareness

3. Dept. of Electrical and Electronics Engineering - Application of VR In Electrical Machines Lab

4. Dept. of Mechanical Engineering – Design and Fabrication of Mini Water Harvester

Based on the evaluation from the evaluators, SLMIC Coordinator Prof. Harish Babu L announced the prizes and also the Department of Electronics & Communication and Department of Mechanical Engineering have shared Rolling Trophy based on student's project performance.

Prof. Malini K.V. proposed vote of thanks. The program ended with National Anthem.

14/5/24
Dr.S.Sujatha,
HoD, EEE
Head of the Department
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Sri Sairam College of Engineering
Anekal, Bengaluru - 562 106.

13/05/2024
PRINCIPAL
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Sri SAIRAM COLLEGE OF ENGINEERING
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DATE: 20.05.24

11 SUSTAINABLE CITIES AND COMMUNITIES

REPORT ON TECHNICAL SEMINAR "EXPLORING CLOUD TECHNOLOGY" ON 20.05.2024

Department of Electrical and Electronics Engineering, Sri Sairam College of Engineering conducted a technical seminar on "Exploring Cloud Technology" on 20th May 2024 for second and third year EEE students. The seminar was started at 10:30am through online Google-meet platform.

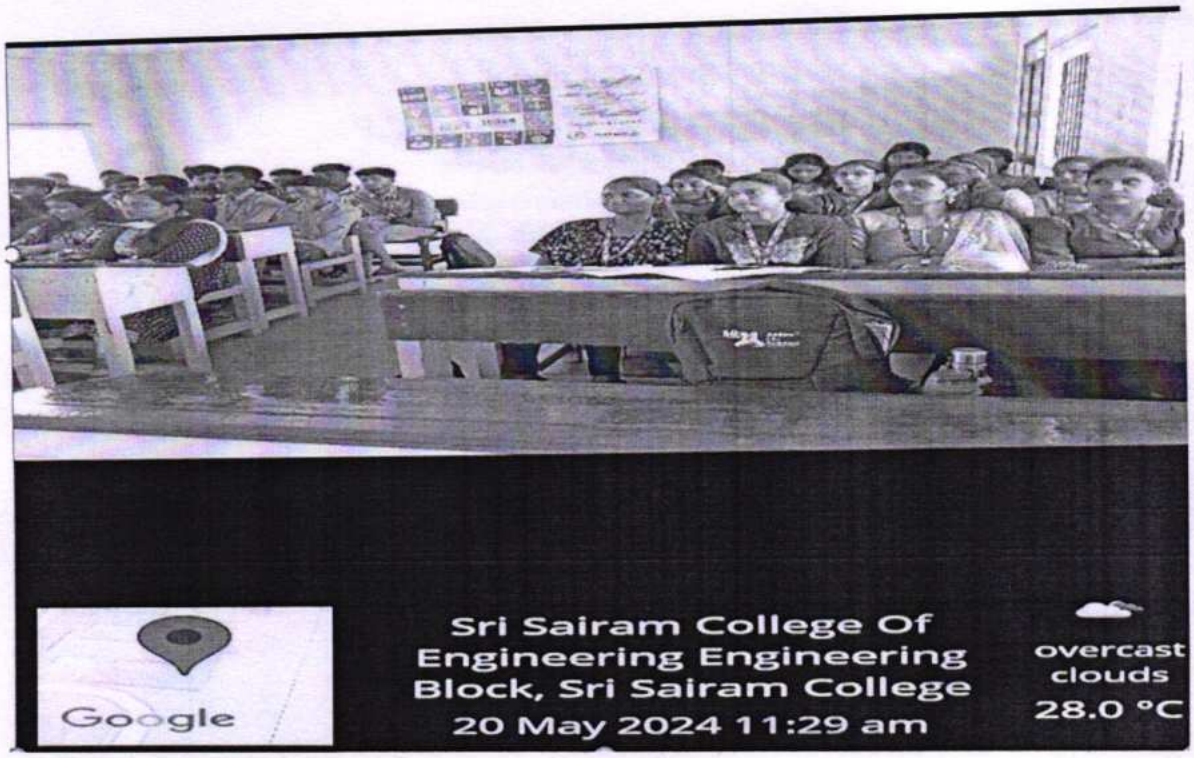
Dr.S.Sujatha addressed the gathering and introduced the resource person in online platform.

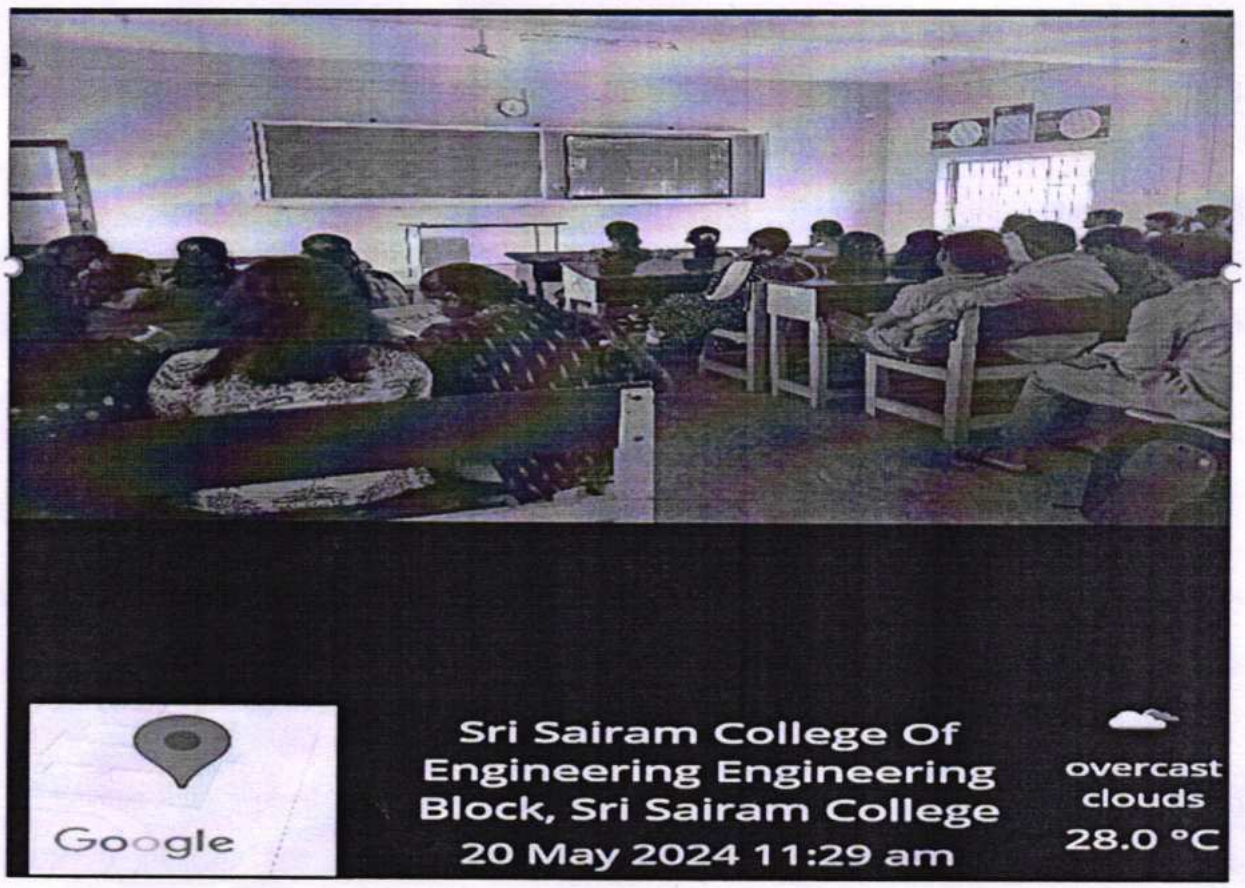
The seminar on "Exploring Cloud Technology "was delivered by

Mr. Parthasarathy T,
Development Engineer
Niveus Solutions, Bangalore.

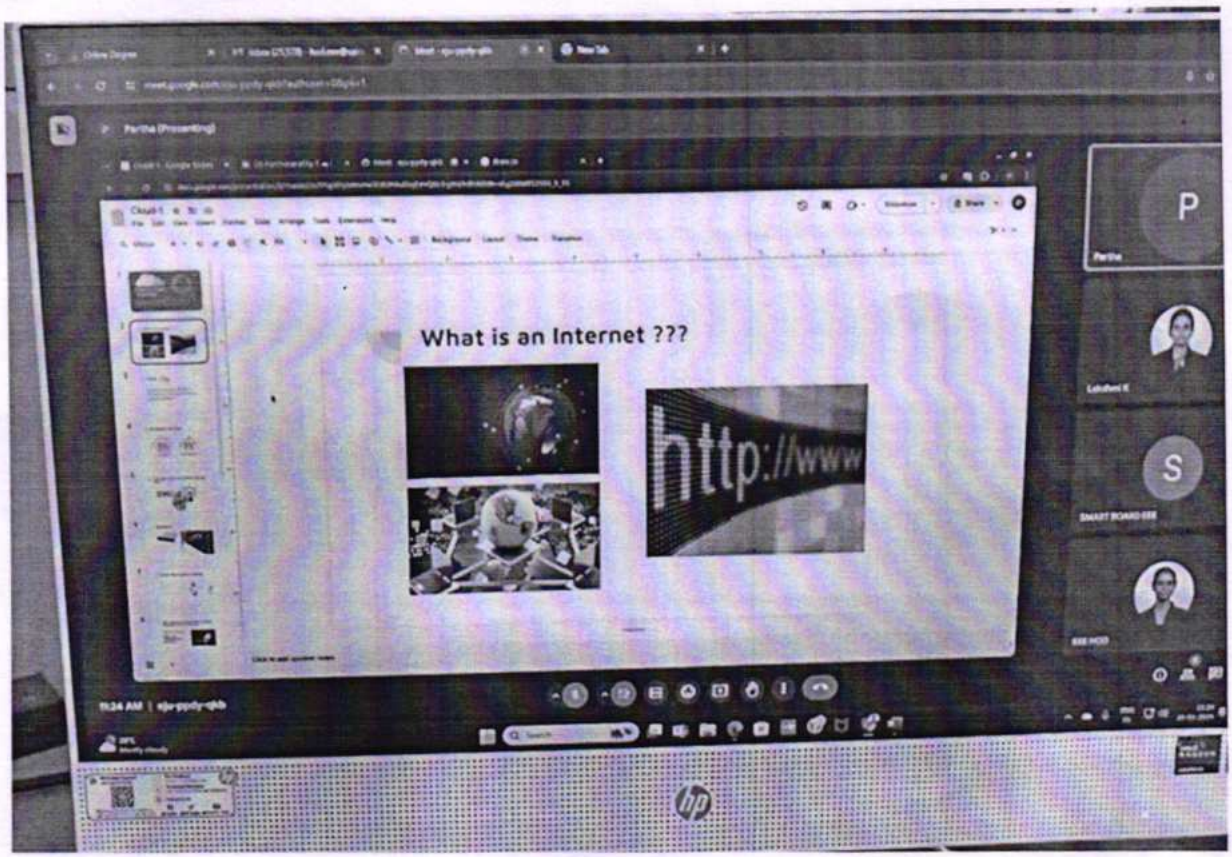
His speech was very interesting and more informative. Around 60 participants joined the session. Cloud technology has become an integral part of the modern digital landscape, offering scalable and flexible computing resources over the internet.

Cloud technology has revolutionized the way businesses access, deploy, and manage computing resources, offering unprecedented scalability, flexibility, and innovation. As organizations increasingly embrace digital transformation, cloud platforms like GCP will play a pivotal role in driving growth, efficiency, and competitiveness in the global marketplace.





GLIMPSES OF SEMINAR SESSION



By understanding the fundamentals of cloud computing, exploring opportunities, and staying abreast of emerging trends, businesses and individuals can harness the full potential of cloud technology for success in the digital age. The important take away of the session was the students learnt how to empower the skills, interview process, trending technologies and how to be updated with the pace of technologies.

This seminar provided an overview of cloud computing, its historical evolution, a walkthrough of the Google Cloud Platform (GCP), opportunities in cloud technology, and concluded with an interactive Q&A session. The session ended at 1.10 pm with the thanking note from Prof.K.Lakshmi, Department of EEE.

04/06/2024

Head of the Department
Electrical & Electronics Engineering
Sri Sairam College of Engineering
Anekal, Bengaluru - 562 106.

RNS INSTITUTE OF TECHNOLOGY
Bengaluru

AUTODESK

Certification of Participation

This is to certify that **Mr. Vijai R, Asst. Prof, Dept. of ME** from **Sri Sairam College of Engineering, Bengaluru** has participated in Three-Day Faculty Development Program on **"Introduction to Modelling and Design for Manufacturing using Fusion 360 by AUTODESK"** from **06th to 08th November 2023,** organized by Department of Mechanical Engineering, **RNS Institute of Technology, Bengaluru,** in association with **Visvesvaraya Technological University, Belagavi and AUTODESK**

8.11.23

Dr. Mukesh Patil
Program Convener
Prof. & Head, Dept.of ME, RNSIT

Dr. Ramesh Babu H S
Principal
RNSIT, Bengaluru

RNS INSTITUTE OF TECHNOLOGY
Bengaluru

AUTODESK

Certification of Participation

This is to certify that **Mr. Harish Babu L, Asst. Prof, Dept. of ME**
Sri Sairam College of Engineering, Bengaluru from
Three-Day Faculty Development Program on **"Introduction to Modelling and Design for Manufacturing using Fusion 360 by AUTODESK"** from **06th to 08th November 2023,** organized by Department of Mechanical Engineering, **RNS Institute of Technology, Bengaluru,** in association with **Visvesvaraya Technological University, Belagavi and AUTODESK**

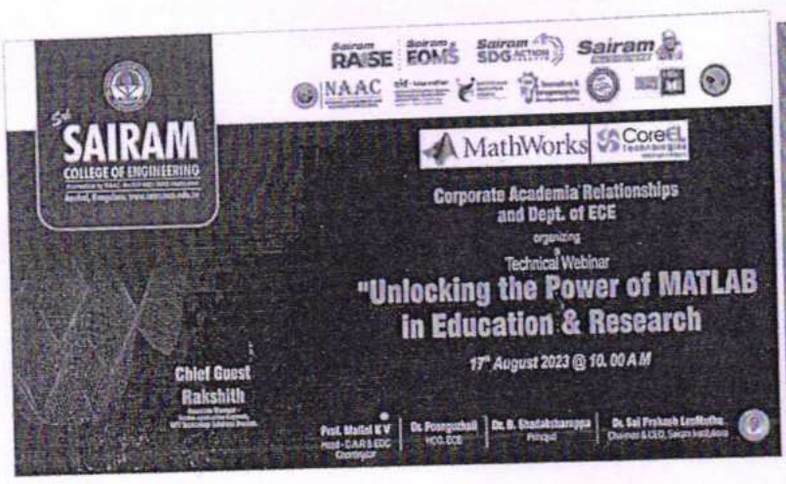
8.11.23

Dr. Mukesh Patil
Program Convener
Prof. & Head, Dept.of ME, RNSIT

Dr. Ramesh Babu H S
Principal
RNSIT, Bengaluru

Report on Technical Webinar " Unlocking the power of MATLAB in Education & Research" - 17/08/2023

The Corporate Academia Relationships Cell and Department of Electronics and Communication had organized a Technical Webinar " Unlocking the power of MATLAB in Education & Research" conducted by **Mr. Rakshith Associate Manager - Senior application Engineer, UPT Technology Solutions** Division. ,MathWorks and Coreel Technology on 17/08/2023 from 10Am-1PM at Coding Lab for the nominated Faculty from all branches. The technical seminar was focused on the various usabilities of MATLAB and the techniques for the higher precision.



The seminar was attended by 28 faculties of AIML, CSE, ECE,EEE, ISE MECH ,S& H branches where the faculty explored the various options for research areas and application of MATLAB in different domains. The seminar also covered the various aspects of simulation and its deployment in domains like signaling, digital modulations, EV, antennas and communication systems

Prof. Malini K V thanked the Cooreel Systems, Session Speaker **Mr. Rakshith, Principal, Dr. B. Shadaksharappa, SSCE , Management Representative Dr. R. Arunkumar** for their keen interest and support in hosting this knowledge sharing session which is very much in demand skills for an hardware engineer. Prof. Malini K V thanked the coorganizer Dr.A Poonguzhali, HOD,ECE for supporting the event .The session ended with an assurance from Cooreel Technologies that the complete support in the area of simulations would be extended in research and skilling to the interested students and researchers from SSCE.

Thanking You,

Sincerely,

1. Prof. Malini K V
2. Dr. A Poonguzhali

2 Staff

30/08/2023

Ms. Swathi Hari explained about the contents of training and the badges that could be earned by the students and educators .Feedback form was rolled out and the work link to be submitted which will be evaluated towards issue of Certificate.

Participants expressed their happiness and thanked the trainers on this tool and the way the workshop was conducted. Principal appreciated and thanked the speakers .

The format note of thanks was proposed by Prof. Malini K V Head-C.A.R & EDC thanked speakers for their principal Dr. B. Shadaksharappa and Management Representative Dr. R. Arunkumar for their support and motivation, Co organizer **Prof. C Sivaprakash HOD-AI & ML** for the interest & co operation, participants for their keen interest , time and participation.

Thanking You,

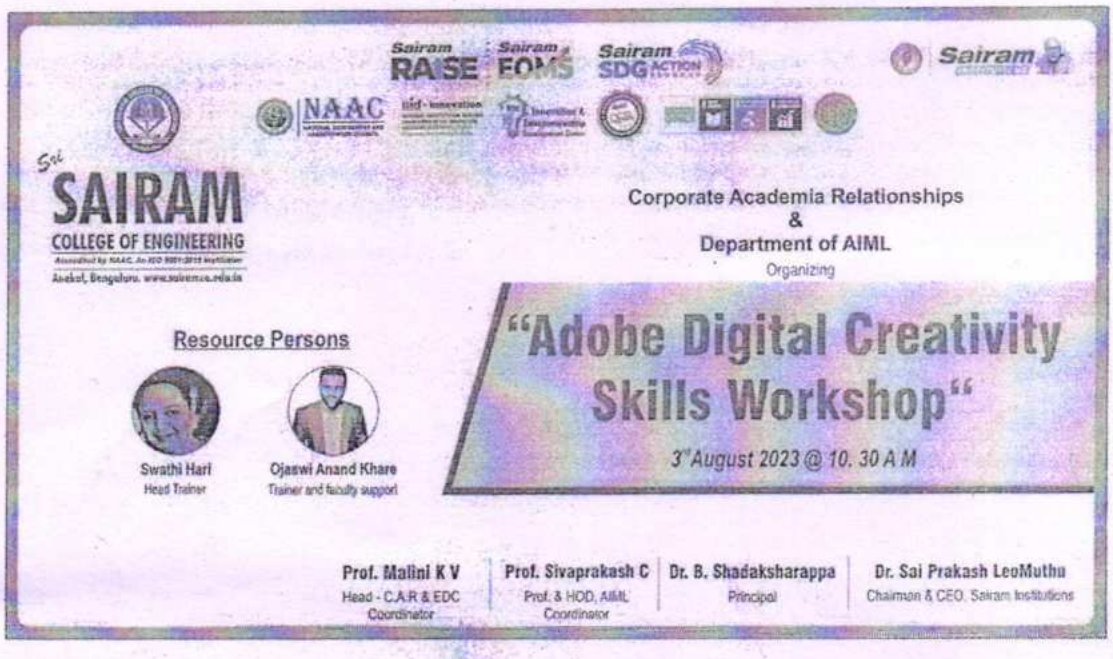
Sincerely,

1. Prof. Malini K V
2. Prof. C. Sivaprakash

07/08/2023

Report on Adobe Digital Creativity Skills Workshop-03/08/2023

The Corporate Academia Relationships Cell & Dept. of AI & ML had organized a Workshop "**Adobe Digital Creativity Skills** in association with ADOBE & AICTE on 03 08 2023 at CSE lab .The program was organized to upskill the teaching and Non teaching Staff from our campus. **Prof. Malini K V** Head-Corporate Academia Relationships & EDC Welcomed the Resource Persons **Ms.Swathi Hari-Head Trainer, ADOBE & Mr. Ojaswi Anand Khare, Trainer & Faculty Support** from Adobe, **Principal Dr. B. Shadaksharappa**, Management Representative **Dr. R. Arunkumar** & Participants to the workshop.



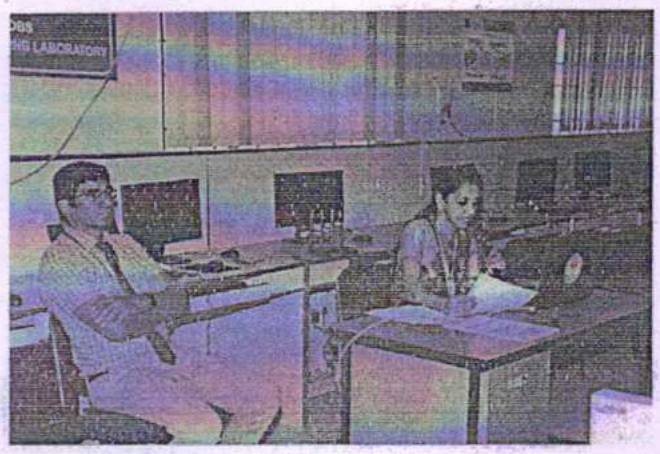
Principal **Dr. B. Shadaksharappa** spoke about the digital education and the tools which are making it interesting, He spoke about the expectations of the learners and the content creation which is highly challenging and need for the educators to update themselves to make the delivery of the content more interesting. He also mentioned about the usage of tools in creating digital content to social media and other materials which has a great impact .

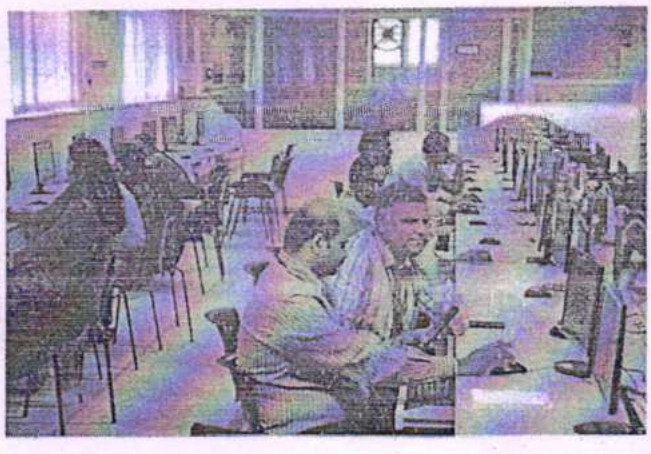
He thanked ADOBE & AICTE for this initiative of skilling and upskilling the educators on digital content creation using ADOBE EXPRESS

The session commenced with **Ms. Swathi Hari** who elaborated about the features of ADOBE EXPRESS , the steps to create the content, webpage, photo background edits and so on,,The participants created their webpage and added relevant photos, videos , used the features of grid,sketch and others..

Mr. Ojaswi anand Khare took the workshop through Generative AI and taught about the image creation for the imagination , description etc...explained how the effects could be added and explained the way to publish the work on their webpage.

India Higher Education





- Today, the GTTC has acquired mastery in Mould and Die making technology and have blossomed into an epitome of precision and quality in the development and manufacture of sophisticated moulds, dies and tools.
- Fully aware of the rapid advancement in technology the world over, the GTTC is periodically adding new technologies to the existing set of advanced equipment like **CAD / CAM, CNC machines for tooling, Precision Components, Laser for Industries, Rapid prototyping, vacuum casting etc**.
- GTTC is concentrating on the Integrated Development of the related segments of industries by way of providing international quality tools, trained personnel and consultancy in tooling and related areas. In future, the focus would be more on turnkey projects in Tooling, Aerospace components & their assemblies, and also to support the development of small and medium scale enterprises.

Achievements :

- Rover wheels for chandrayana projects
- Hydraulic system line replacement units like Shuttle Valves, Non-Return values sampling valves for LCA Aircraft (Tejas).
- Import substitution of precision components for packaging industries.
- Prototype Laparoscopic Surgical tools.
- Design & Development of precision tooling for medical application.
- Reverse engineering components and developments of parts for import substitutions.
- Fuel system line replacement units like inward/outward relief valves, two piston flap valves for LCA Aircraft (Tejas).
- Environmental control system like Primary heat exchanger, secondary heat exchanger, Re-heater heat exchanger, Gimbal assembly with venture and Gimbal Joints for LCA Aircraft (Tejas).
- Aircraft mounted accessories gear box (AMAGB) for LCA Aircraft (Tejas).
- Fire Extinguisher bottle for LCA Aircraft (Tejas).
- Flow switch assembly for LCA Aircraft (Tejas).
- Camera mounting fixture for HAL.
- Parking Brake fixture for M/s. Toyota Kirloskar.
- Fins for NAL.

"Technical Institutions Meet -2023-GTTC Centre of Excellence"

INDUSTRY INSTITUTION INTERACTION SESSION

NAME OF THE COMPANY : **GOVERNMENT TOOL ROOM AND TRAINING CENTRE**

PLACE : **BENGALURU**

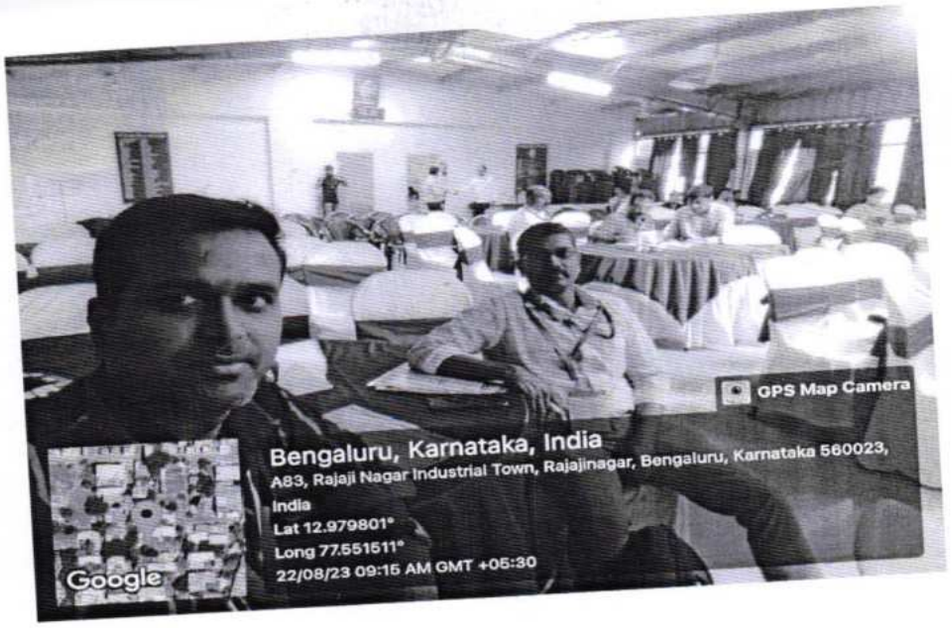
DATE : **22/08/2023**

STAFF ATTENDED : **PROF VIJAY V, AP/MECH**

PROF. PANDIYARAJAN V, AP/MECH

ABOUT - GOVERNMENT TOOL ROOM AND TRAINING CENTRE, BENGALURU

- GTTC was established in 1972 at Bangalore with the participation of the Karnataka State Government, in collaboration with the Government of Denmark under the Bilateral Development Co-operation Agreement. The excellent performance of GTTC Bangalore, proactive Government of Karnataka which saw the need for expansion, got second unit of GTTC started in 1992 with DANIDA assistance.
- Proliferation of technology for development of the industries with supply of skilled manpower is the key to meet the needs of the global requirement. With this Government of Karnataka encouraged GTTC to start 10 more sub-centres to train in the area of tool and die making in various parts of Karnataka.
- GTTC is an autonomous society, and a recognised Scientific and Research Organisation by the



We also thank our Principal Dr. Shadaksharappa, Management Representative Dr. R. Arunkumar for giving this opportunity for attending this industry training program on GTTC, Bengaluru.

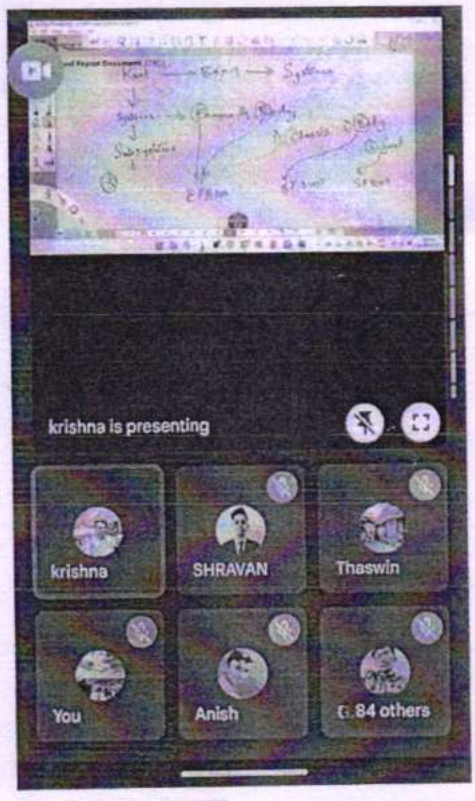
31/8/2023.
HOD/MECH

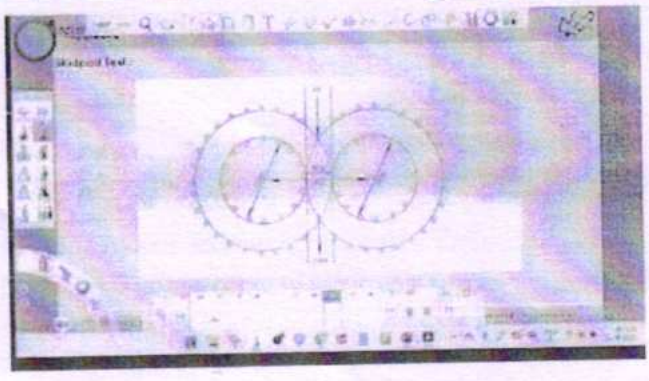
01/09/2023

kart performance. The online format facilitated real-time discussions, allowing participants to actively engage with instructors and fellow participants.

Day 3: Wheel Assembly and Steering

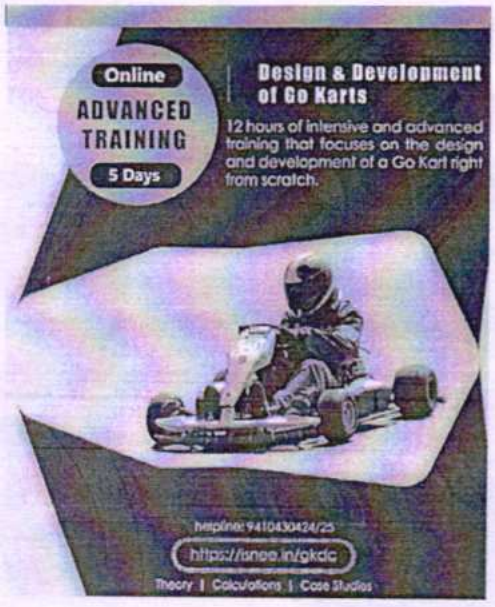
Transitioning to practical application, Day 3 focused on virtual hands-on experiences with wheel assembly and steering mechanisms. Utilizing 3D modelling software and virtual prototypes, participants worked collaboratively in breakout sessions to simulate assembly processes. Live demonstrations and interactive discussions enriched their understanding of steering components and their impact on the manoeuvrability of the go-kart.





Report on 5-Day Online Workshop on Development of Go-kart

The 5-day online workshop on the Development of Go-kart, an integral part of the **Go-Kart Design Challenge (GKDC) 2023**, provided a unique and virtual platform for participants to delve into the intricacies of designing and building a competitive go-kart. **Saumya Sonawane, Rakshith H C and Adarsh J** from Team Shikra, hailing from the Department of Mechanical Engineering, embraced the virtual setting to enrich their understanding of go-kart engineering.



Day 1: Introduction to GKDC

The first day of the online workshop kicked off with an engaging introduction to the GKDC. Participants, scattered across virtual spaces, were guided through the rulebooks governing the competition, specifications for static and dynamic events, and guidelines for report preparation. Despite the digital setting, interactive discussions and Q&A sessions created an immersive learning environment, laying the groundwork for the technical sessions ahead.

Day 2: Wheel Loads

Day 2 delved into the theoretical aspects of wheel loads, leveraging digital tools for simulations and visualizations. Through virtual labs and collaborative exercises, participants gained insights into the physics of wheel loads and their implications on go-

Day 4: Drivetrain and Brakes

The penultimate day delved into the intricacies of drivetrain and brake systems through a combination of theoretical lectures and virtual design challenges. Participants explored digital platforms for designing and optimizing drivetrains, fostering a deep understanding of the integration of these critical components. Virtual breakout groups allowed for collaborative problem-solving and peer-to-peer learning.

Day 5: EV Architecture of a Go-Kart

The final day of the online workshop focused on the evolving landscape of electric vehicles (EVs) and their application in go-kart design. Through virtual presentations and discussions, participants explored the nuances of EV architecture specific to go-karts, including electric powertrain integration and battery management. The digital format facilitated seamless interaction, enabling participants to share insights and experiences from their respective locations.

The 5-day online workshop on the Development of Go-kart, though conducted in a virtual environment, proved to be a highly effective and engaging experience for the three students representing Team Shikra. Despite the challenges posed by the online format, the workshop successfully provided a comprehensive understanding of go-kart engineering. Team Shikra is now well-equipped with knowledge and insights gained from the workshop, ready to apply them in the GKDC 2023. The virtual setting not only demonstrated the adaptability of engineering education but also showcased the potential for collaborative learning and skill development in the digital age.

17/10
Coordinator, SLMIC

Submitted to the Principal.

18/10/2023

18/10/2023

Sri Sairam College of Engineering

(Accredited by NAAC, ISO 9001:2015 Certified Institution, Approved by AICTE, New Delhi, Affiliated to VTU, Belagavi)

Department of Mechanical Engineering

Anekal, Bengaluru – 562106, Karnataka

22/06/2024

Submitted to Principal

Subject: Participation of Mechanical Department Faculty in Workshop on Publishing Papers in High-Impact Journals

I am writing to inform you that Ten faculty members from the Department of Mechanical Engineering , Sri Sairam College of Engineering, Anekal, participated in a workshop titled "Hand Holding Session on Publishing Papers in High Impact Journals" on June 21, 2024. This workshop was organized by the Research and Development Cell of our college.

The session was led by Dr. B. Vijaya Ramnath, a distinguished Professor and Head of the Mechanical Engineering Department at Sri Sairam Engineering College, Chennai. Dr. Ramnath's extensive experience and insights provided valuable guidance to our faculty members on enhancing their research publications' quality and impact.

The following faculty members from our Mechanical Engineering Department attended the workshop:

1. Dr. Balaji V
2. Dr. K Sivasakthi Balan
3. Dr. Madhu.B
4. Mr.Vijay R
5. Mr.Harish Babu L
6. Mr . Yogananda B S
7. Mr.N Rajesh Kumar
8. Mr. V Pandiyarajan
9. Mr.Rajesh.V
10. Mr. Naveen Kumar Nagalli

The workshop focused on several key areas, including identifying high-impact journals, understanding the publication process, improving the quality of research manuscripts, and effective communication of research findings. Our faculty members found the session extremely beneficial and are eager to implement the strategies discussed to improve their research output.

We believe that such initiatives significantly contribute to the professional development of our faculty and enhance the academic reputation of our institution. We look forward to more such opportunities that foster a culture of research excellence at Sri Sairam College of Engineering.

Thank you for your continued support and encouragement.

Yours sincerely,

Dr.MADHU.B,
Associate Professor
Department of Mechanical Engineering
Sri Sairam College of Engineering, Anekal

Submitted to principal
for information
22/6/24.

22/06/2024

The process of integrating the sensors with the mobile application was also extensively discussed. Various communication protocols and data transfer mechanisms were reviewed to ensure seamless integration and real-time data visualization. Mr. Sam shared his experiences and best practices in app development and sensor integration from previous projects, which were highly beneficial for the team.

Following the discussions at the Techno Incubation Centre, the team visited the ICAR- Central Institute of Brackish water Aquaculture (CIBA) farm. At CIBA, the team observed the new-age shrimp rearing systems designed for the precise use of land, water, and feed. These advanced methods showcased the efficiency and sustainability of the rearing systems, providing the team with valuable insights into modern aquaculture practices.

The team interacted with researchers and technicians at CIBA to understand their experiences and challenges in installing water quality monitoring systems. They discussed key issues such as sensor maintenance, data accuracy, and environmental impacts. The CIBA team shared practical solutions and innovative approaches to overcoming these challenges, which offered significant insights for the Matsya project.

The discussions on electronics, sensors, and app integration will significantly aid in advancing the Smart Surface Vehicle project. Moreover, the exposure to innovative aquaculture practices at CIBA will contribute to the project's sustainability and efficiency goals. Learning from the CIBA team's experiences also offered practical solutions and strategies for addressing potential issues in water quality monitoring.

24/6

Harish Babu L
SLMIC Coordinator

24/06/2024

For event A/c

28/6/2024.

Sri SAIRAM COLLEGE OF ENGINEERING
Anekal, Bengaluru

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INSTITUTION'S INNOVATION COUNCIL
(Ministry of Education Initiative)

Report on Visit to Sri Sairam Techno Incubation Centre by Team Matsya - Smart Surface Vehicle

On 22/06/2024 Team Matsya, comprising Dr. K Sivasakthi Balan, Mr. Harish Babu L, Mr. Chiru Pavan G, Mr. Karthik M S (6th SEM EEE), and Ms. Keerthi Chowdary (6th SEM EEE), visited Sri Sairam Techno Incubation Centre. The primary purpose of the visit was to discuss the procurement and functionality of electronic components, understand the working of sensors, and explore the integration of these sensors with the mobile application for the Smart Surface Vehicle project. During the visit, the team had detailed discussions with Mr. Muthuvel and Mr. Sam from the Chennai campus.

The discussions on electronics component purchasing focused on reviewing the specifications, sourcing options, and budget considerations to ensure the selection of high-quality components at optimal costs. Mr. Muthuvel and Mr. Sam provided valuable insights into the latest sensor technologies and their applications in real-time monitoring. They conducted demonstrations showcasing the working of selected sensors, highlighting their sensitivity, accuracy, and integration capabilities. These demonstrations were crucial in enhancing the team's understanding of sensor functionality and calibration.

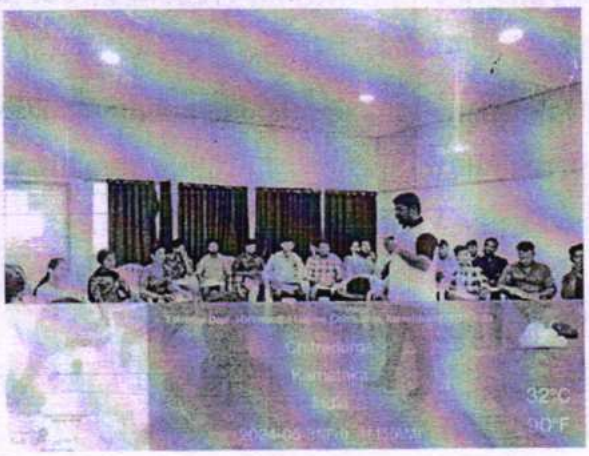
Product-Based Examples: Examples of BMCs for projects like ASV (Autonomous Surface Vehicle), AGV (Automated Guided Vehicle), and a Medical Assisted Droid, demonstrating its application in product-based industries.

Hands-On Session

From 1:00 PM to 1:45 PM, the participants engaged in a hands-on activity. Students were divided into groups and provided with A4 sheets and colour pencils to create their own Business Model Canvases based on assigned topics. This interactive exercise enabled students to apply the theoretical knowledge they had gained in a practical setting.

Conclusion and Feedback

The session concluded at 1:50 PM with feedback from the participants and a vote of thanks. The attendees expressed appreciation for the insightful and interactive nature of the workshop, highlighting the clarity and depth of the explanations provided by the resource persons.



Report on Business Model Canvas Hands-On Session

Event Overview

The Department of Electrical and Electronics Engineering (EEE) at SJM Institute of Technology (SJMIT), Chitradurga, in collaboration with the Internal Quality Assurance Cell (IQAC) and the Institution's Innovation Council (IIC), organized an enriching hands-on session on the Business Model Canvas (BMC) on 31st May 2024. The session featured Mr. V. Rajesh and Mr. G. Chirupavan as resource persons, offering their expertise and insights on this essential business tool.

Session Details

The event commenced with a formal inauguration session held in the EEE Seminar Hall from 10:30 AM to 11:00 AM. This introductory segment set the stage for the learning and interactive activities that followed.

Explanation Session

From 11:15 AM to 12:45 PM, V. Rajesh and G. Chirupavan conducted a comprehensive explanation session.

The presentation covered the following key points:

- What is BMC?: An introduction to the Business Model Canvas as a strategic management tool for developing new or documenting existing business models.
- Importance of BMC: The significance of BMC in simplifying the business planning process, facilitating clear communication, and enhancing strategic alignment.
- Proper Ways to Prepare BMC: Guidelines and best practices for creating an effective and comprehensive Business Model Canvas.
- The 9 Key Components of BMC: Detailed explanations of the nine building blocks—Customer Segments, Value Propositions, Channels, Customer Relationships, Revenue Streams, Key Resources, Key Activities, Key Partnerships, and Cost Structure.

The session also included practical examples:

Service-Oriented Examples: Analysis of BMCs for a hospital, a café, and Swiggy, illustrating how service-based businesses can utilize the canvas.

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Anekal, Bengaluru. www.sairamce.edu.in

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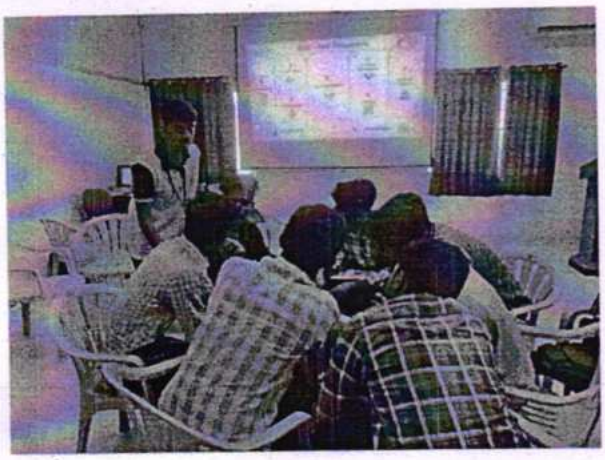
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

Sri Leo Muthu Innovation centre



I personally thank our principal Dr. Shadaksharappa, Management representative Dr. R. Arunkumar, Dr. V.Balaji, Head of the Mechanical Engineering department for giving us permission to preside as a resource person which helped a lot to enrich my carrier.

V. Rajesh G. Chirupavan

Mr. V.Rajesh, Ap / Mech. Engg

Mr. G. Chirupavan, Research Asso. SLMIC

Submitted to the principal.
4/6/24.

04/06/2024

SRI SAIRAM COLLEGE OF ENGINEERING
(Accredited by NAAC, ISO 9001:2015 Certified Institution, Approved by AICTE, New Delhi, Affiliated to VTU, Belagavi)
Anekal, Bengaluru – 562106, Karnataka
DEPARTMENT OF MECHANICAL ENGINEERING

CHECK LIST
Guest Lecture on "Sonic Properties & Introduction to CFD"

S.No.	DESCRIPTION	YES / NO
1	Permission Letter & IQAC permission Letter	✓
2	Students Registration form	✓
3	Request Mail to Resource Person	✓
4	Acceptance Mail from Resource Person	✓
5	Resource person profile	✓
6	Invitation	✓
7	One page report	✓
8	Photos of Workshop	✓
9	Feedback from Students	✓
10	Remuneration to Resource Person	✓
11	Letter of Gratitude to resource person.	✓

24/7/24.

HOD / Mech. Engg.

SRI SAIRAM COLLEGE OF ENGINEERING

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Department of Mechanical Engineering

Anekal, Bengaluru – 562106, Karnataka

Date – 16.07.2024

SUBMITTED TO PRINCIPAL FOR APPROVAL THROUGH HEAD OF THE DEPARTMENT:

SUBJECT: - Requesting permission to organise guest Lecture for mechanical engineering students – Reg.

****

With due respect above subject we would like to bring to your kind notice that, our department is planning to organise a guest lecture on **"Sonic Properties & Introduction to Computational Fluid Dynamics"** by an eminent resource person for **II year / IV sem.** students of Mechanical Engineering. This event will help the students to improve their knowledge beyond their regular curriculum on CFD. The details of the resource persons are given below. In this regard, we kindly request your good self to grant us permission to organise this wonderful event and release the fund for the smooth conduction of the program which is scheduled on **19.07.2024 – Friday** at **09.00am** in class **room no 222.**

This is for your kind perusal and approval.

NOTE: Details of Expenditure

S.No	Description	Quantity	Amount in Rs.
1.	Remenueration	1 member	1* 3000 = 3000
		Total Amount in Rs.	3,000 / -

TOTAL AMOUNT IN WORDS: Three Thousand Only

RESOURCE PERSON:

Prof. Madhu P B
Assistant Professor
School of Mechanical Engineering
REVA University
Bangalore, Karnataka
Email – madhubp@reva.edu.in
Ph – 9845403168

Thanking You,

Yours Sincerely,

Submitted to the Principal.
for further needful.

18/7/24

18/07/2024

Sri SAIRAM COLLEGE OF ENGINEERING
Anekal, Bengaluru

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SCE 25 years of academic excellence

Date 18/7/24

Department of MECHANICAL ENGG.

Subject: Permission to organise/conduct GUEST LECTURE -reg

Dear Sir,

With respect to above subject I request you to permit us to organise GUEST LECTURE ON 19/7/24 [FLUID MECHANICS] for 11/IV [SONIC PROPERTIES & INTRODUCTION TO CFD].

on 19/7/24 at 222A.

Kindly permit the same & oblige.

Thanking you,

Yours truly

(Staff Signature with date)

HoD 18/7/24.

QMC	IQAC	MR	Principal
Approved/ Not Approved	Approved/ Not Approved	Approved/ Not Approved	Approved/ Not Approved
If Not approved, reason	If Not approved, reason	If Not approved, reason	If Not approved, reason
Any Comments —	Any Comments —	Any Comments	Any Comments

*If commercials are involved attach budget separately.

QMC 18/7/24 IQAC 18/7/2024 MR Principal 18/07/24

*After Principal Signature submit the same to IQAC Director without fail.

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Department of Mechanical Engineering

Anekal, Bengaluru – 562106, Karnataka

Academic year – 2023 – 24 **Year / Sem – II / IV**

Guest Lecture Registration Form

Title of Training Program : Sonic Properties & Introduction to Computational Fluid Dynamics

Date : 19.07.2024

S.No.	Name of Participant	Signature
1	BHAVANA. S.L	Bhavana. S.L
2	KARTHIK REDDY	-Ab-
3	Jeevan S.R	Jeevan S.R
4	RAHUL.Y	
5	MADAN KUMAR.M	Madan.M
6	MAHALAKSHMI S	
7	MONISH.V	Monish.V
8	VAIBHAV. JOSHI	VMJ
9	HARAN.P	Haran.P
10	Sanjay.D	Sanjay.D
11	Vivek.R	

19/7/24.

Signature of HOD / Mech. Engg.

Sri SAIRAM COLLEGE OF ENGINEERING

RAJESH V <rajeshv.mech@sairamce.edu.in>

Requesting you to preside as a resource person - Guest Lecture - Fluid Mechanics - Sri Sairam College of Engineering - Reg

RAJESH V <rajeshv.mech@sairamce.edu.in> Thu, Jul 18, 2024 at 9:56 AM
To: Madhubp@reva.edu.in, MECH HOD <hod.mech@sairamce.edu.in>

Respected Sir,

A warm Greetings from Department of Mechanical Engineering, Sri Sairam College of Engineering - Anekal, Bangalore.

I am V.Rajesh working as an assistant professor in the department of mechanical engineering at Sri Sairam College of Engineering - Anekal. As I have planned to organise a guest lecture for the subject **BME403 - Fluid Mechanics** topics entitled **"Sonic Properties & Introduction to CFD"** to **II year / IV semester** students of our department.

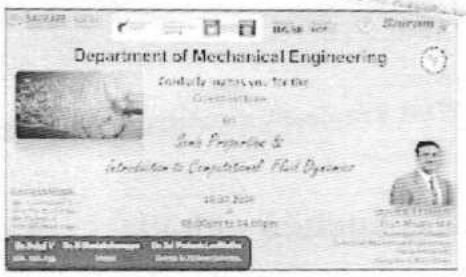
On behalf of the Principal, Management representative, Head of the department, faculty and students I cordially invite you as a resource person for the guest lecture entitled " **Sonic Properties & Introduction to CFD** " which is scheduled on **19.07.2024** from **09.00am to 04.00pm**. Kindly find the attachment of Invitation for the event.

Kindly request you to accept our invitation and revert to us at the earliest. We are looking forward to a positive response from you. Please feel free to get back to us for any further information.

NOTE - BME403 - Fluid Mechanics syllabus copy attached for your reference and also kindly share the Name as it is in the bank account for the remenueration process.

MODULE-5
Compressible flows: Speed of sound, adiabatic and isentropic steady flow, Isentropic flow with area change stagnation and sonic properties, normal and oblique shocks, flow through nozzles. **Introduction to CFD:** Necessity, limitations, philosophy behind CFD, applications

--
Thanks & Regards
Mr. V.Rajesh,
Assistant Professor,
Department of Mechanical Engineering,
Sri Sairam College of Engineering,
Anekal, Bangalore - 562 106.
Ph: 9965533384, 9965543383(Whatsapp)
Email: rajesh.vpkp@gmail.com



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120K

Sri SAIRAM COLLEGE OF ENGINEERING

RAJESH V <rajeshv.mech@sairamce.edu.in>

Requesting you to preside as a resource person - Guest Lecture - Fluid Mechanics - Sri Sairam College of Engineering - Reg

Madhu B P <madhubp@reva.edu.in> Thu, Jul 18, 2024 at 1:47 PM
To: RAJESH V <rajeshv.mech@sairamce.edu.in>, MECH HOD <hod.mech@sairamce.edu.in>

Respected sir,

Thank you for inviting me for guest lecturer on Fluid Mechanics , I will be deliver the lecture as per the prescribed topic. Thank you sir

Get Outlook for Android

From: RAJESH V <rajeshv.mech@sairamce.edu.in>
Sent: Thursday, July 18, 2024 9:56:37 am
To: Madhu B P <madhubp@reva.edu.in>; MECH HOD <hod.mech@sairamce.edu.in>
Subject: Requesting you to preside as a resource person - Guest Lecture - Fluid Mechanics - Sri Sairam College of Engineering - Reg

You don't often get email from rajeshv.mech@sairamce.edu.in. Learn why this is important

[Quoted text hidden]

Bio -Data

Madhu B P

D.M.E, B.E, M.Tech (Ph.D)

Assistant Professor
School of Mechanical Engineering
NSS Program Coordinator, UBA and NBA coordinator
REVA University, Bengaluru
E-mail id:- madhubhogapura@gmail.com, nsscordinators@reva.edu.in
Contact: 98454-03168

Personal Details

- **Name** : Madhu B.P.
- **D O B** : 1st of May 1986
- **Father's Name** : Puttananjappa
- **Mother Name** : Padma. M
- **Marital Status** : Single
- **Nationality/ Religion** : Indian/ Hindu
- **Sex** : Male
- **Hobbies** : Listening to Music, reading books, playing games, etc.
- **Languages Known** : Kannada, English, Hindi, Tamil, and Telugu.

Professional Details

Present Position: Assistant Professor, School of Mechanical Engineering

Address: Rukmini Knowledge Park, REVA University, Kattiganahalli, Bengaluru-560064

Permanent Address: S/o Puttananjappa, Bhogapura village and post
ChamarajanagarTaluk& District-571115

Academic Career

SL. NO.	QUALIFICATION	COLLEGE	YEAR OF PASSING	PERCENTAGE	CLASS OBTAINED
01.	Ph.D in Computational Fluid Dynamics	Government engineering college Ramanagaram	**Perusing**	**Perusing**	**Perusing**
02.	M.Tech In Thermal Power Engineering	Maharaja Institute of Technology	2014	74.70	First Class with Distinction
03.	B.E In Mechanical Engineering	Government engineering college Chamarajanagar	2012	70.71	First Class with Distinction
04.	Diploma In Mechanical Engineering(MTT)	Govt. Polytechnic Chamarajanagara	2006	65.33	First Class
05.	S.S.L.C	St.TeresaHigh School Madapura	2002	62.56	First Class

Industrial Experience

FROM	TO	YEARS	DESIGNATION	NAME OF THE INSTITUTE
01.06.2006	01.06.2007	1.0 Years	Quality Supervisor	Uni products India (pvt) Ltd
18.05.2007	25.06.2009	2.1 Years	Quality Inspector	Walvoil Fluid Power India Pvt Ltd.
2007		5 Months	Junior Engineer	Poineer Power Corporation Ltd,

Teaching Experience

FROM	TO	YEARS	DESIGNATION	NAME OF THE

				INSTITUTE
01.07.2016	Till Date	6.5 Years	Assistant Professor	REVA University-Bengaluru
01.08.2014	25.06.2016	1.9 Years	Assistant Professor	YDIT-Bengaluru
August 2012	Oct 2012	3 Months	Guest Lecturer	Govt. Polytechnic Chamarajanagara

Affiliations with Professional Bodies & Societies

Bodies	From	To
Member of Institution of Engineers (India) (MIE)	Sep 2017	Till Date

Honors and Awards with Other Distinctions

Organized as a Secretary **"5th International Conference on Recent Research Emerging Trends in Materials and Mechanical Engineering" July 2021**

Organized as a Secretary **"4th International Conference on Recent Research Emerging Trends in Materials and Mechanical Engineering" July 2020**

Organized as a Secretary **"3nd International Conference on Recent Research Emerging Trends in Materials and Mechanical Engineering" July 2019**

Organized as a Secretary **" 2nd International Conference on Emerging Trends in Mechanical and Civil Engineering"** July 2018

Organized as a Coordinator "International Conference on **Emerging Trends in Mechanical and Civil Engineering**" July 2017

Organized as a Coordinator **"Technical Talk and workshops"** at REVA University-Bengaluru

Recognition from YDIT **"Active employee of the Year 2015"**

Received from Govt. Polytechnic Chamarajanagara **"Best Year of the Student 2005"**

Ph.D. Topic

"To study flow characteristics of convergent-divergent and contour nozzle for different divergence angle".

Research Publications

International Journal:

1. **Madhu B P**,Vijayaraghu B "**Numerical Simulation of Supersonic Expansion in Conical and Contour Nozzle**" International Journal of Engineering Research and Technology (IJERT) June – 2014, Vol. 3 Issue 6, ISSN: 2278-0181.
2. Sanju H, Meghani Molies Reddy, Batluri Tilak Chandra, **Madhu B P** "**Evaluatuion of Fatigue and Corrosion Test of AL LM13 Reinforced with Hematite**" IJRET: International Journal of Research in Engineering and Technology Volume 5, Issue 7, June 2016, ISSN: 2319-1163.
3. Santhosh K V,Robinson P, Syed Samer, **Madhu B P "Synthesis and Characterization of Spark Plasma Sintered Al - 4.5wt. % Cu Alloy Powder"** International Journal of Engineering Research & Technology (IJERT) , Vol. 5 Issue 07, July-2016, ISSN: 2278-0181.
4. Aksashy R N,Ravindra Babu ,Rajesh Deshlinga Gowda, **Madhu B P**, "**Application of CAE in Durability Assessment of Automotive Exhaust System under Static Loads and Comparison of Natural Frequency between Coupled and Lumped Mass** " International Journal of Research and Scientific Innovation, Volume 4, July 2016, ISSN 2321-2705.
5. Syed Sameer, Dr. S.B. Prakash, Robinson P, **Madhu B.P "Effect of CeO2 and AL2O2 Nanoparticles Added to Diesel in a Four Stroke,** International Journal of Research and Scientific Innovation, Volume 4, July 2017, ISSN 2321-2705.
6. **Madhu B P**,Syed Samer, Kalyana Kumar M, Dr. Mahendramani **"CFD Analysis of Convergent-Divergent and Contour Nozzle"** International Journal of Mechanical Engineering and Technology (IJMET), Volume 8,Aug 2017, ISSN:0976-6359.
7. Kalyana Kumar M, Balaji Rao K , **Madhu B P**, Praveen Math "**Performance Evaluation of the Combination of Bio Fuels Derived From Waste Cooked Oil and Pongamia Pinnata Oil**" International Journal of Advances in Scientific Research and Engineering(IJASRE) - Volume 3 Special Issue 1, Aug-2017,PP- 453-460.
8. Pooja , Balaji Rao K, Kalyana Kumar MP , **Madhu B P " Performance Evaluation Of The Bio Fuels Derived From Waste Cooked Oil"** International Journal of Advances in Scientific Research and Engineering(IJASRE) - Volume 3 Special Issue 1, Aug-2017,PP- 461-466.

National Conference

1. Madhu B P **"Numerical Simulation of Flow through Rocket Nozzle using CFD"** held at SJBIT-Bangalore, April 2015.
2. Madhu B P,Dr.Mahendra Mani G **"CFD Analysis of Flow through C-D and Contour Nozzle "** held at SJBIT-Bangalore, May 2016.

Courses Taught

1. Turbo machines
2. Hydraulics and Pneumatics
3. Heat and Mass Transfer
4. Fluid Mechanics
5. Thermal Engineering
6. Applied Thermodynamics
7. Element of Mechanical Engineering

Computational Experience

Operating Systems	:	Windows 98/2000/2007/2010
CAD Software's	:	Solid Edge V-19,SD-7
Solver Software	:	Ansys CFD Code-Fluent, Hyper mesh
Application	:	MS-Office2000, 2007

Declaration:

I do here by declare that the above particulars furnished by me are true to the best of my knowledge and belief.

Thanking You,

Date:

Place:

Yours Faithfully

(MADHU.B.P)

SAIRAM COLLEGE OF ENGINEERING | NAAC | INSTITUTION'S INNOVATION COUNCIL | Sri Leo Madhu Innovation centre | SUSTAINABLE DEVELOPMENT GOALS | Sairam RAISE | Sairam | Sairam INSTITUTIONS

Department of Mechanical Engineering

Organizing

Guest lecture

on

Sonic Properties &

Introduction to Computational Fluid Dynamics

COORDINATORS:

Mr. Yogananda B S
Asst. Prof, Mech. Engg.,
Mr. Rajesh V
Asst. Prof, Mech. Engg.,

19.07.2024
@
09.00am to 04.00pm

RESOURCE PERSON

Prof. Madhu B P
Assistant Professor,
School of Mechanical Engineering,
Reva University,
Bengaluru, Karnataka.

Dr. Balaji V — HOD - Mech. Engg.
Dr. B Shadaksharappa — Principal
Dr. Sai Prakash LeoMuthu — Chairman & CEO, Sairam Institutions.

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Anekal, Bengaluru – 562106, Karnataka

DEPARTMENT OF MECHANICAL ENGINEERING

Date: - 22.07.2024

A REPORT ON
GUEST LECTURE ENTITLED

"SONIC PROPERTIES & INTRODUCTION TO CFD"

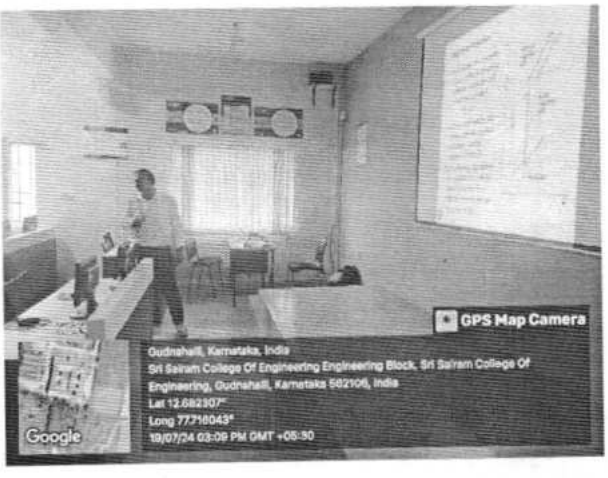
The Department of Mechanical Engineeringhas organised guest lecture for the subject **BME403-Fluid Mechanics** on the title **"Sonic Properties & Introduction to CFD"** for II Year / IV Semester students on **19.07.2024– Friday** from **09.00 am to 04.00 pm** in the Coding Lab

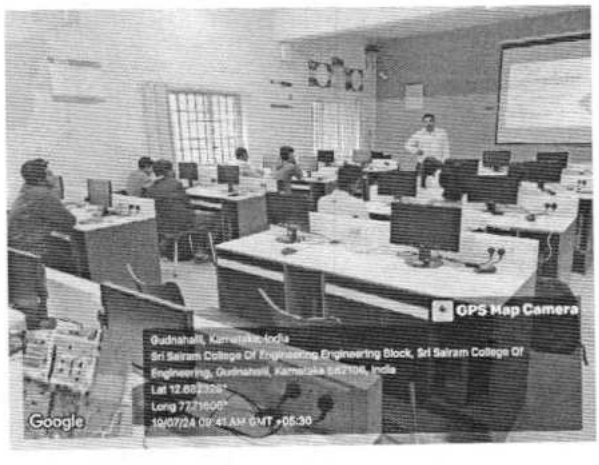
The department of Mechanical Engineering department invited the resource person **Prof. Madhu B.P**. Asst. Prof., School of Mechanical Engineering, REVA University

Prof. Yogananda B.S, welcomed the resource person& students for the wonderful session and gave introduction about resource person.

In this one day Guest lecture "Sonic Properties & Introduction to CFD", resource person gave presentation on the following topics to the student.

- Adiabatic and isentropic steady flow
- Sonic properties
- Normal and oblique shocks
- Philosophy behind CFD
- Applications of CFD





The students clarified their doubts with the resource person after all the sessions completed and the students expressed their gratitude to resource person for give more knowledge on these topics. Prof. Yogananda B.S. & Prof. D. Satish thanked ourprincipal **Dr.Shadaksharappa**, Management representative **Dr.R.Arunkumar**, & **Dr. V.Balaji**, Head of the Mechanical Engineering department for giving us permission to conduct this wonderful guest lecture for our students and also thanked resource person **Prof. Madhu B.P.** for spending his valuable time to deliver the guest lecture to our students

22/07

EVENT COORDINATOR

22/7/24.

HOD / Mech. Engg.

23/07/2024

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Department of Mechanical Engineering

Anekal, Bengaluru – 562106, Karnataka

GUEST LECTURE FEEDBACK										
Name of the Student	HARAN P									
Year / Sem	II / IV									
Department	MECHANICAL									
Date and Duration	19/7/24 & Full day 9:30 to 4:00									
FEEDBACK Please rate on a scale of 1 to 5, 1 being the lowest, by mar king a "✓" against your rating.										
Relevance and Use	1		2		3		4		5	✓
Quality of lecture	1		2		3		4		5	✓
Resource person Subject Knowledge Rating	1		2		3		4		5	✓
Resource person Presentation Rating	1		2		3		4		5	✓
Study Material	1		2		3		4		5	✓
Exercise	1		2		3		4		5	✓
Speed	1		2		3		4		5	✓
Duration	1		2		3		4		5	✓
Coverage	1		2		3		4		5	✓
Infrastructure arrangements	1		2		3		4		5	✓
How much did the guest lecture help you? Specify.										
* It is very useful for understanding indepth of fluid Mechanics from basic * covered all 5 modules. Indepth * 5th Modules full covered gained lot of knowledge										
Follow up guest lecture required (If Yes, list specific areas)										
No.										
Date: 19/7/24									Student Signature	

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Department of Mechanical Engineering

Anekal, Bengaluru – 562106, Karnataka

GUEST LECTURE FEEDBACK	
Name of the Student	MADAN KUMAR.M
Year / Sem	2nd / 4th
Department	MECHANICAL ENGINEERING
Date and Duration	19/07/24 and 9:00 am to 4:00 PM

FEEDBACK

Please rate on a scale of 1 to 5, 1 being the lowest, by mar king a "✓" against your rating.

Relevance and Use	1		2		3		4		✓	
Quality of lecture	1		2		3		4		✓	
Resource person Subject Knowledge Rating	1		2		3		4		✓	
Resource person Presentation Rating	1		2		3		4		✓	
Study Material	1		2		3		4		✓	
Exercise	1		2		3		4		✓	
Speed	1		2		3		4		✓	
Duration	1		2		3		4		✓	
Coverage	1		2		3		4		✓	
Infrastructure arrangements	1		2		3		4		✓	

How much did the guest lecture help you? Specify.

His Teaching is very good & Very helpful

Follow up guest lecture required (If Yes, list specific areas)

No. not Required for this time, is enough for us. He teached properly

Student Signature

Date: 19/07/24

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Department of Mechanical Engineering

Anekal, Bengaluru – 562106, Karnataka

GUEST LECTURE FEEDBACK	
Name of the Student	MONISH. V
Year / Sem	IInd Year / 4th Sem
Department	Mechanical Engineering
Date and Duration	19/7/2024 & 9:00 AM to 4:00 PM

FEEDBACK

Please rate on a scale of 1 to 5, 1 being the lowest, by mar king a "✓" against your rating.

Relevance and Use	1		2		3		4		5 ✓
Quality of lecture	1		2		3		4		5 ✓
Resource person Subject Knowledge Rating	1		2		3		4		5 ✓
Resource person Presentation Rating	1		2		3		4		5 ✓
Study Material	1		2		3		4		5 ✓
Exercise	1		2		3		4		5 ✓
Speed	1		2		3		4		5 ✓
Duration	1		2		3		4		5 ✓
Coverage	1		2		3		4		5 ✓
Infrastructure arrangements	1		2		3		4		5 ✓

How much did the guest lecture help you? Specify.

Very good teaching.

Follow up guest lecture required (If Yes, list specific areas)

Yes

Date: 19/7/2024

Monish. V.

Student Signature

SRI SAIRAM COLLEGE OF ENGINEERING

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Department of Mechanical Engineering

Anekal, Bengaluru – 562106, Karnataka

GUEST LECTURE FEEDBACK	
Name of the Student	MAHALAKSHMI S
Year / Sem	II nd Year 4 rd sem
Department	MECHANICAL
Date and Duration	19/07/2024 (9 to 4:00).

FEEDBACK

Please rate on a scale of 1 to 5, 1 being the lowest, by mar king a "✓" against your rating.

Relevance and Use	1		2		3		4		✓5
Quality of lecture	1		2		3		4		✓5
Resource person Subject Knowledge Rating	1		2		3		4		✓5
Resource person Presentation Rating	1		2		3		4		✓5
Study Material	1		2		3		4		✓5
Exercise	1		2		3		4		✓5
Speed	1		2		3		4		✓5
Duration	1		2		3		4		✓5
Coverage	1		2		3		4		✓5
Infrastructure arrangements	1		2		3		4		✓5

How much did the guest lecture help you? Specify.

Helped very much.

Follow up guest lecture required (If Yes, list specific areas)

Yes

19/07/24

Date:

Student Signature

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Department of Mechanical Engineering

Anekal, Bengaluru – 562106, Karnataka

GUEST LECTURE FEEDBACK	
Name of the Student	BHAVANA.S.L
Year / Sem	II nd year, IV Sem
Department	MECHANICAL
Date and Duration	19-7-24 & 9:00 - 4:00

FEEDBACK

Please rate on a scale of 1 to 5, 1 being the lowest, by mar king a "✓" against your rating.

Relevance and Use	1		2		3		4		✓5	
Quality of lecture	1		2		3		4		✓5	
Resource person Subject Knowledge Rating	1		2		3		4		✓5	
Resource person Presentation Rating	1		2		3		4		✓5	
Study Material	1		2		3		4		✓5	
Exercise	1		2		3		4		✓5	
Speed	1		2		3		4		✓5	
Duration	1		2		3		4		✓5	
Coverage	1		2		3		4		✓5	
Infrastructure arrangements	1		2		3		4		✓5	

How much did the guest lecture help you? Specify.

Very much Sufficient & Useful for the University Examinations

Follow up guest lecture required (If Yes, list specific areas)

Date: 19/7/24

Bhavana. S.L

Student Signature

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Department of Mechanical Engineering

Anekal, Bengaluru – 562106, Karnataka

GUEST LECTURE FEEDBACK										
Name of the Student	Sanjay.D									
Year / Sem	2nd 4th									
Department	Mechanical									
Date and Duration	19/7/24 9AM to 4PM									
FEEDBACK Please rate on a scale of 1 to 5, 1 being the lowest, by mar king a "✓" against your rating.										
Relevance and Use	1		2		3		4		5	✓
Quality of lecture	1		2		3		4		5	✓
Resource person Subject Knowledge Rating	1		2		3		4		5	✓
Resource person Presentation Rating	1		2		3		4		5	✓
Study Material	1		2		3		4		5	✓
Exercise	1		2		3		4		5	✓
Speed	1		2		3		4		5	✓
Duration	1		2		3		4		5	✓
Coverage	1		2		3		4		5	✓
Infrastructure arrangements	1		2		3		4		5	✓
How much did the guest lecture help you? Specify.										
It was very useful										
Follow up guest lecture required (If Yes, list specific areas)										
NO										
Date: 19/7/24									Sanjay.D Student Signature	

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To,

Date:19.07.2024

Prof. Madhu B P,
Assistant Professor,
School of Mechanical Engineering,
REVA University,
Bangalore.

Dear Sir,

Sub: Letter of Appreciation–Reg.,

On behalf of Management, Staff & Students, We whole heartedly thank you for having accepted our invitation to be the resource person to deliver a Guest Lecture on **"Sonic Properties & Introduction to Computational Fluid Dynamics"** held on **19th July 2024**. Our profuse thanks are also due to the valuable inputs of yours to our students.

We once again express our Gratitude for gracing the day in spite of your busy schedule.

Thanks for your time and handling the session.

Thanking you

Warm Regards,

19/07/2024

PRINCIPAL
Sri Sairam College of Engineering
Sai Leo Nagar, Guddanahalli Post,
Anekal, Bengaluru - 562 106

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DEPARTMENT OF SCIENCE AND HUMANITIES

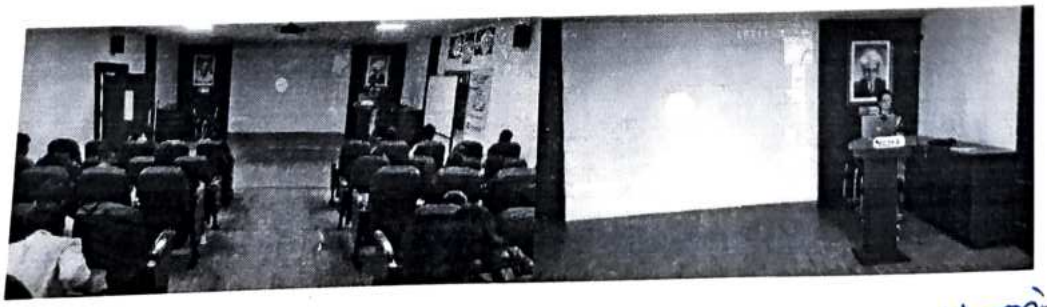
REPORT ON WORLD NO TOBACCO DAY

31.05.2024

The Department of Science & Humanities along with Corporate Academia Relationship Cell successfully hosted a virtual program to celebrate World No Tobacco Day – 2024 in the campus of Sri Sairam College of Engineering. This year's theme, "STOP SMOKING," aimed to raise awareness among students, faculty, and the local community about the dangers of tobacco use and to promote a smoke-free environment. The program was hosted by Prof. Malini K V, Head Corporate Academia Relations. To execute the program we had amongst us Hema Parikh, Founder and CEO, Insight Academy & Sai Prasad Bangaru, Life Coach & Clinical Psychologist, Sober Steps Foundation as speakers for the day.

Mr, Sai Prasad Bangaru spoke on how Smoking is one of the leading causes of preventable deaths worldwide, and how its effects are far-reaching and devastating. Not only does it harm the smoker, but also those around them, including family, friends, and co-workers. Quitting smoking is not easy, and it requires a lot of effort and commitment. However, the benefits of quitting are immense, and they are both immediate and long-term. First and foremost, quitting smoking improves our health. Smoking causes a range of health problems, including lung cancer, heart disease, stroke, and respiratory illnesses. By quitting smoking, we reduce our risk of developing these health problems and improve our overall health and well-being. Finally, he highlighted that quitting smoking is a responsible choice that can help protect the health of those around us. Second-hand smoke can cause a range of health problems, particularly for children and non-smokers. By quitting smoking, we reduce the risk of exposing those around us to the harmful effects of second-hand smoke.

It was indeed an extremely informative session which created awareness in students to make the right choices for themselves. Finally, Prof. Malini KV thanked the speakers for sharing their valuable insights and concluded the programme.



3/6/2024
Coordinator

07/06/2024

REPORT ON SAI-TARANGA 2023

11/08/2023

Sri Sairam College of Engineering has always excelled in upholding research work of the highest degree. In light of this, the Department of Science & Humanities formed its **Technical Association** and launched their first Academic Event, Sai Taranga for the year 2023. On this occasion, the department had also organised a state level paper presentation for all the first-year students. The program was held on the 10th of August, 2023 in the campus of Sri Sairam College of Engineering.

To enhance the glory of the event we had amongst us dignified and eminent personalities. To begin with, we invited the Chief Technology Officer of Ada Lovelace Software, Dr. Rakesh L, as our Chief Guest for the Day. The day was further enlightened with the presence of our honourable Principal, Dr. B Shadaksharappa, Management Representative, Dr. R Arun Kumar, Convener of the program, Dr. Harikrishna S, Trustee, Sri. K Patel & Chief Accountant Officer, Sri. K Gajendra. The auspicious occasion was initiated with the zestful state song, Naada Geethe. To illuminate the day, the dignitaries lighted the lamp and adorned the dais. The Programme was hosted by the first-year students of ISE & ECE Departments,namely, Sanjana S, Thrivikram G & Bhoomika A.

The Welcome Address was presented before all by Dr. Harikrishna S, convener and Head Department of Science & Humanities. He warmly greeted all the dignitaries, faculties, students and expressed his sincere gratitude to all for their valuable presence. He addressed the students appreciating them for their sincere efforts in writing erudite papers. He highlighted that being in first-year, most of them are amateur in writing papers but with the guidance of all the faculties, the students have come up with informative papers which are also meticulously written. He took this opportunity to thank Principal and Management for supporting the department in forming this phenomenal technical association and helping in the launch of Sai-Taranga, a compiled book for all the papers written and presented.

Next, Dr. Suvodip Mukherjee, Assistant Professor , Department of Science & Humanities shared insightful details about the papers written by students and also motivated the students to make use of such a platform to fight their stage fear and speak in public forums through the medium of paper presentation.

Dr. B Shadaksharappa, Principal proposed the presidential address. He congratulated the Department of Science & Humanities on organising such a phenomenal event like Sai Taranga where not just our college students but also students across the state of Karnataka

could participate. Students also presented papers from Bahubali College of Engineering, Sri Venkateswara College of Engineering, and Rajarajeswari College of Engineering. Principal extended his cordial greetings and welcomed all the external students.He guided the students speaking about the toughest challenges of life and the ways to face them with positivity. He encouraged the students to bring out their best, he advised them to be patient along their academic journey and motivated them to step into such competitions which are exceptionally beneficial in upskilling knowledge.

The proceedings of Sai Taranga-23 with ISBN was released by Guest & other Dignitaries on the dias.

Furthermore, the Management Representative, Dr. R Arunkumar adorned the dais to address the guests. He too congratulated Department of Science & Humanities in organising a state level presentation and launching Sai Taranga. He mentioned that the book has been meticulously edited and compiled. He highlighted the fact that Sri Sairam College of Engineering is the centre of excellence asit offers technical education along with research opportunities of very high standards to students.He motivated the students to aim for excellence utilising opportunities like this. His words motivated the students towards achieving their goals with innovation and enthusiasm. His all-encompassing speech gave the students an anchor to successfully sail along the sea of life and career.

This was followed by the felicitation of chief guest, following which, the audience was next addressed by the Chief Guest,Dr. Rakesh L, Chief Technology Officer of Ada Lovelace Software. Sir delivered an immensely inspiring speech for all the students. Having erudite visionary, he spoke about his rich experience in the field of innovation with special focus on his journey as the Vice-Chairman of International Telecommunication Union in Geneva. He spoke on the reforms that came under his supervision. Sir enlightened the students on the importance of research and expressed his surprise on seeing the deftness of the papers published in Sai Taranga.

Vote of thanks was proposed by Dr. Pandikani M, Assistant Professor in Mathematics. She motivated the students towards building a better future.Ma'am expressed her immense gratitude towards the Chief Guest for contributing his valuable time, in spite of his busy schedule. She heartily thanked all the dignitaries for their presence and insightful words that encouraged the students. She further thanked the faculties and students who have contributed towards making this program a grand success.

Following this, the stage was taken by the students to present the papers they had written in Physics, Chemistry, Mathematics & English. To judge the state level paper presentation competition, we had amongst us an eminent group of jury members namely, Dr. Smita J A, Dr. Siva Sakhti Balan, Prof. Malini K V, Prof. Harishbabu L, Prof. Raghavendra R M, and Prof. Prashanth K.

Finally, the valedictory program begun with the feedback of the students and the jury members. The competition was fairly judged and the results were declared by the end of the day. Following which, the winners were felicitated with their due prizes. More than winning, participation is important and the program can be called successful in its attempt to bring everyone under one roof is nurturing the ideas put forth by each and every paper presented and published.

The curtains were drawn for the day with the National Anthem.

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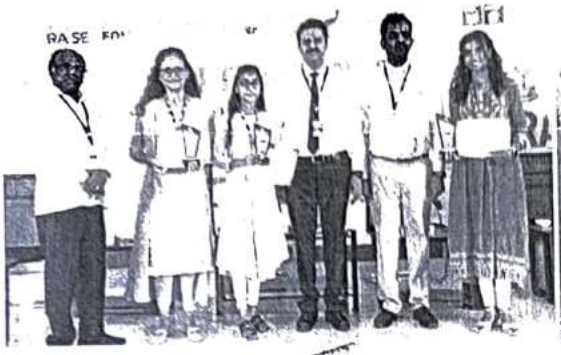

11/08/2023
Coordinator

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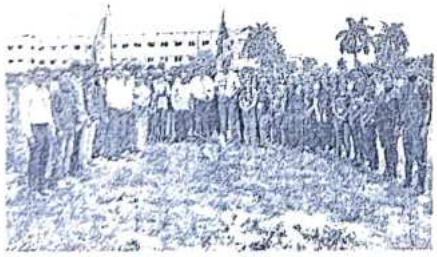
05/06/2023

World Environment Day-05/06/2023

Science club in Association with UBA organised sapling plantation in college campus on occasion of World Environment Day. Principal, Management, HoD's & students planted 100 saplings in college campus.



5/6/2023

06/06/2023

Coordinator.

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5/6/2023
Coordinator

06/06/2023

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LPC REPORT on

3 Days FACE TO FACE FACULTY DEVELOPMENT PROGRAMME (FDP) on

UNIVERSAL HUMAN VALUES (UHV-INTRODUCTORY) on

1st to 3rd DECEMBER, 2023

Conducted by

Sri Sairam College of Engineering, Bengaluru

In Collaboration with

National Coordination Committee for Induction Programme -

All India Council for Technical Education

FDP Team:

1. **Resource Person: Dr. Yashvant Patil**
2. **Observer: Shri. Deepesh A** (Regional Coordinator, South Western Region, NCCIP-AICTE)
3. **Co-Facilitator: Dr. Shashikanth**
4. **Local Programme Coordinator: Dr. Harikrishna S** (Associate Professor & HOD, SSCE)

To improve the quality of Technical Education in the country, a 3-Week Student Induction Programme (SIP) has been made mandatory for all Engineering colleges in the country and to prepare the faculty for the same, the National Coordination Committee for Student Induction (NCC-IP) has been formed by AICTE. Various Faculty Development Programmes (FDP) are being offered with the support of AICTE and Regional Offices for providing training to the faculties.

The objective of this FDP is:

-To equip the faculty for providing Holistic Value Based Education to the students. - To help the faculty also to lead a fulfilling life by maintaining harmony at individual, family, society and nature level.

Registration:

Number of Registrations: **97**

Number of Participants: **85**

The 85 attendees were from Sri Sairam College of Engineering, Bengaluru; Sri Sairam Engineering College, Chennai and SFS College, Bengaluru. The three Day FDP consisted of 14 sessions including tutorials from 8:30 am to 5:30 pm with two bio breaks of 15 minutes each and a 45 min long lunch break from 12:15 pm to 1:00 pm. The entire FDP was completed following the green protocol, maintaining a green campus and avoiding the usage of plastics.

There were two forenoon and afternoon sessions each day facilitated by Dr. Yashvanth Patil, Shri. Deepesh A and Dr. Shashikanth. The tutorials from 4:30 pm to 5:30 pm were utilized for feedback, thought-sharing and Q & A sessions. Last session of each day was assigned for group wise

discussion. All the 85 participants were divided into 3 groups and a sharing session was held based on each day's content.

Preparatory Meetings:

1. **Initial Online Preparation Meeting:** 11th Nov, 2023

Convened by Dr. Harikrishna S

Attendees: Principal, LPC.

2. **Initial Meeting at SSCE:** 11th Nov, 2023

Convened by: LPC, SSCE.

Attendees: Committee members, Principal, LPC

3. **Final Meeting at SSCE:** 23rd Nov, 2023

Convened by: LPC, SSCE.

Attendees: NCC-IP Team and SSCE organizing committee members

4. Final **verification of arrangements at SSCE: 30th Nov, 2023**

Convened by: NCCIP-AICTE Team.

Attendees: NCC-IP Team, LPC, Organising committees, Principal.

Accommodation of AICTE Team and Participants:

The accommodation for the AICTE team was provided in the SSCE guest house in the SSCE campus. The participants were staying locally and transportation facilities were provided by SSCE. Hostel facility was offered to participants in case of difficulty in commuting.

Summary of Sessions:

Day 1 : The FDP started on 1st Dec, 2023 with the inaugural function. The programme was organized by the Department of Science & Humanities. To begin with, the inaugural day was initiated with a melodious invocation song. To illuminate the day further, the dignitaries lit the lamp and adorned the dais. The Programme was hosted by Prof. Adisha Manna, Assistant Professor, Dept. of Science & Humanities. Management Representative, Dr. R Arun Kumar

presented the Welcome Address before all. He warmly greeted all the dignitaries, faculties and participants and expressed his sincere gratitude to all for their valuable presence. Honourable Principal, Dr. B Shadaksharappa presented the presidential address before all. Sir spoke about the importance of value-enhancement courses and meticulously explained its application in daily life. Following this, Dr. Harikrishna S, Dept Head of Science & Humanities and coordinator of the programme introduced the guests which were further followed by the felicitation ceremony of the guests. Then Shri. Deepesh A, Observer, gave an overview about the Programme and shared the key points of the UHV, the rules & regulations to be followed and also clearly explained the outcome of the workshop. Dr. Yashvanth Patilinitiated the session with key terms like happiness, prosperity, self & body, relationship & physical facility. The path to continuous happiness and prosperity were validated with multiple relatable examples. The difference between relationship and physical facility were briefed with examples of basic human aspiration and the correct approaches to fulfil such aspirations were explained meticulously. Tutorial sessions were handled by Dr. Dr. Yashvanth Patil Shri. Deepesh A, and Dr. Shashikanth.

Day 2 : The day started with an informal sharing session and recap of Day 1. The main points covered were prosperity and health, harmony in family, trust, respect and other feelings. Coexistence of self and body were highlighted with right guidelines to competence and incompetence. The nine human feelings and their true meanings were explained correctly and the ways to understand the feelings were also explained with real-life examples. Tutorial sessions from 4.30 to 5.30PM were handled by Dr. Dr. Yashvanth Patil Shri. Deepesh A, and Dr. Shashikanth.

Day 3: The day started with an informal sharing session and recap of Day 1 and Day 2.The participants shared their reflections through self-exploration. On this day a holistic approach was bestowed to understand human order, plant order and animal order to increase sustainability. The main points covered were harmony in family, society and feeling of love along with harmony in nature. The day concluded with the valedictory function where the participants shared their feedback. Principal, Dr. B Shadaksharappa shared his views. Observer, Shri Deepesh A heartily thanked all the participants and faculties for their presence and contribution towards making this program a grand success and LPC Coordinator, Dr. Harikrishna S presented the Vote of Thanks.

Outcome of FDP:

Participants got a clear view on the UHV contents of AICTE for conducting Student Induction Programme (SIP). The session has effectively rooted the participants' feet into the holistic grounds of UHV and they shall meticulously convey the UHV contents to students and nurture it for themselves. Participants expressed their sincere appreciation for conducting the programme in a well-organized manner. All the participants committed that they would continue to explore the proposals for holistic development of self, family, society and nature. This may be considered as the real success of the 3-Day Offline FDP. Summing up everything, the UHV was aimed towards creating an undivided society and universal human order amongst all.

Takeaways and Commitment:

The FDP provided and motivated organizers and participant faculties to follow green protocol and to impart holistic development and value education to students. The participants expressed their willingness to complete the training courses on all the four levels of UHV to undergo self-exploration through right understanding and apply it to improve real-life situations. The QA/tutorial sessions were very beneficial as it helped the faculties to explore the proposals and to inculcate this practice in themselves as well as the students. SSCE is committed to continue this journey in holistic development and is aiming to host another FDP on UHV-2 within a month.

Expense Statement:

Sl No	Expense	Amount (INR)
1	Food for participants including working lunch, tea and snacks for 3 days	20,450
2	TA & DA expense for AICTE Team	18,500
3	FDP Kit	2000
4	Banner printing, publicity and other misc. expenses	3000
	Total	**43950**

SAILENT FEATURES OF FDP

The FDP on Universal Human Value-I is in continuation with that tradition of self- inquiry and well-being of all the participants. Th 3 days FDP is conducted through the systematic study of the harmony from individual to family, society and natural/existence. It discusses about the natural laws and reality in a way that anyone can explore and understand it on their own right. It follows the process of self- verification which leads to self-confidence and self- evolution. It enables the participants to discover and understand the innate value of human being in every aspect of life. The overall purpose of this FDP is to enable the participants to live a fulfilling life, in harmony with one self and with family, society and nature.

CHIEF PATRON

Dr. Sai Prakash LeoMuthu
Chairman & CEO, Sairam Institutions

PATRON

Dr. B. Shadaksharappa,
Principal, Sri Sairam College of Engineering, Bengaluru.

ADVISORY COMMITTEE

Shri. Naresh Raj, CIO, Sairam Institutions, Bengaluru
Dr. R. Arun Kumar, Management Representative, SSCE, Bengaluru.
Dr. Smitha J, HOD, CSE, SSCE, Bengaluru.
Dr. C. Sivaprakash, HOD, AI&ML, SSCE, Bengaluru.
Prof. Raghavendra Rao, HOD, ISE, SSCE, Bengaluru.
Dr. A. Poonguzhali, HOD, ECE, SSCE, Bengaluru.
Dr. S. Sujatha, HOD, EEE, SSCE, Bengaluru.
Dr. Balaji V, HOD, MECH, SSCE, Bengaluru

CONVENOR

Dr. Hari Krishna S
HOD, S&H, SSCE, Bengaluru

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 technological up-to-date and intellectually inspiring environment of learning, research, creativity, innovation and professional activity and inculcate in them ethical and moral values

WHO CAN REGISTER

Open for all faculties and staff in SSCE and near by Colleges

OBJECTIVES

- To prepare Faculty Mentors for 3 weeks' mandatory Student Induction Program(SIP, Deeksharambh)
- To achievethe Common Graduate Attributes and Specific Graduate Attributes.
- To help the faculty members to lead a fulfilling life by maintaining harmony at individual, family, society and nature level.

RAISE FOR

Sri **SAIRAM**
COLLEGE OF ENGINEERING
Anekal, Bengaluru. www.sairamce.edu.in

Three Day Faculty Development Programme on

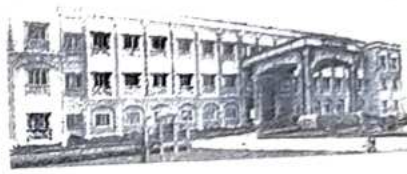
UNIVERSAL HUMAN VALUES (UHV - INTRODUCTORY)

In collaboration with All India Council for Technical Education (AICTE) Under the supervision of National Coordination Committee Induction Programme- AICTE

Date : 1-12-2023 to 3-12-2023 @ 8.30 a.m - 5.30 p.m

Organized by

Department of Science & Humanities



ABOUT THE INSTITUTION

Sri Sairam College of Engineering formerly Shirdi Sai Engineering College, Bengaluru Established in the year 1997 by MJF. Ln. Leo Muthu, Founder Chairman of Sapthagiri Educational Trust, is a non-profitable and non-minority Institution, Located within the Bangalore city limits. SSCE is an inspirational place to study in which everything, from classrooms to laboratories, hostel to cafeteria is state-of-the-art. The labs and other facilities, are among the best in the region making it one of the most sought-after institutions by parent and students. Teaching rooms and work areas as well furnished and equipped with modern up-to-date facilities. Sri Sairam College of Engineering has developed into a reputed Engineering Institutions with ISO 9001:2015 certification. The lush green ambience of the institute makes campus free from pollution. SSCE aims at providing state of the art technology to the student community to broaden their horizon for a better and prospective tomorrow in their own interest and also in interest of the society at large. The institute offers 6 Bachelor of Engineering degree programmes, SSCE holds good placement records in past decade. The college is affiliated to the Vivesvaraya Technological University and also approved by All India Council for Technical Education (AICTE) New Delhi.

ABOUT THE FDP

This FDP on Universal Human Value I is organized by Sri Sairam College of Engineering in collaboration with AICTE. This FDP helps the participants to understand themselves, understand the underlying harmony in nature. The participants can understand the role of humanbeing in nature, in existence andlive withfulfilment of life. This FDP on Universal Human Value, we believe will pave the way for understanding the values of human and nature which in turn brings harmony in the society.

SESSION PLAN (AICTE APPROVED PLAN FOR 3 DAYS UHV-I FDP)

Session / Day	(8.30 am to 9.00 am)	Session 1 (9:00 am to 10.30 am)	Tea Break 10.30 am to 10.45 am	Session 2 (10.45 am to 12:15 pm)	Lunch Break (12:15 pm to 1:00 pm)	Session 3 (1:00 pm to 2:30 pm)	Tea Break 2.30 pm to 2.45 pm	Session 4 (2:45 pm to 4:15 pm)	Break 4.15 pm to 4.30 pm	Tutorial (04:30 pm to 05:30 pm)
Day 1 Friday (1-12-23)	Inauguration	Holistic development and Role of Education	Tea Break	Self-Exploration, Happiness, Prosperity	Lunch Break and Informal discussion with participants by volunteers	Harmony in Human Being	Tea Break	Harmony in the Self	Break	Groups of participants each
Day 2 Saturday (2-12-23)	Informal Sharing Session	Recap of Day 1, Prosperity - Health		Harmony in the Family - Trust		Harmony in the Family - Respect		Harmony in the Family - Other Feelings		Groups of participants each
Day 3 Sunday (3-12-23)	Informal Sharing Session	Recap of Day 2, Harmony in Society		Harmony in Nature		Harmony in Existence & Sum Up		Participants Self-evaluation		Valedictory Function

REGISTRATION FEE: FREE

REGISTRATION LINK:

After Registration join WhatsApp group.

FOR ANY CLARIFICATIONS:

Dr. Harikrishna S,(LPC)
9845373762

Prof. Malini K V, (LPC)
9902748006

Sairam INSTITUTIONS

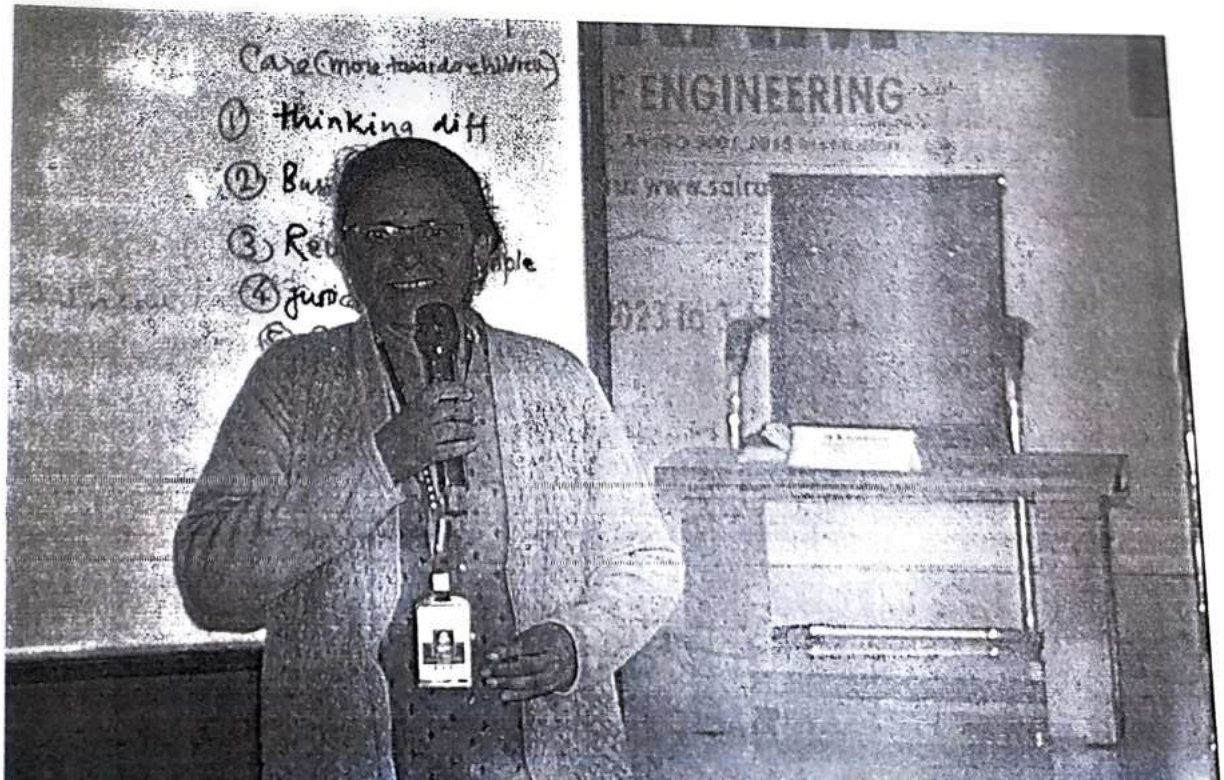
PHOTOGRAPHS:

(a) <u>Inauguration</u>

(b) <u>UHV Session</u>

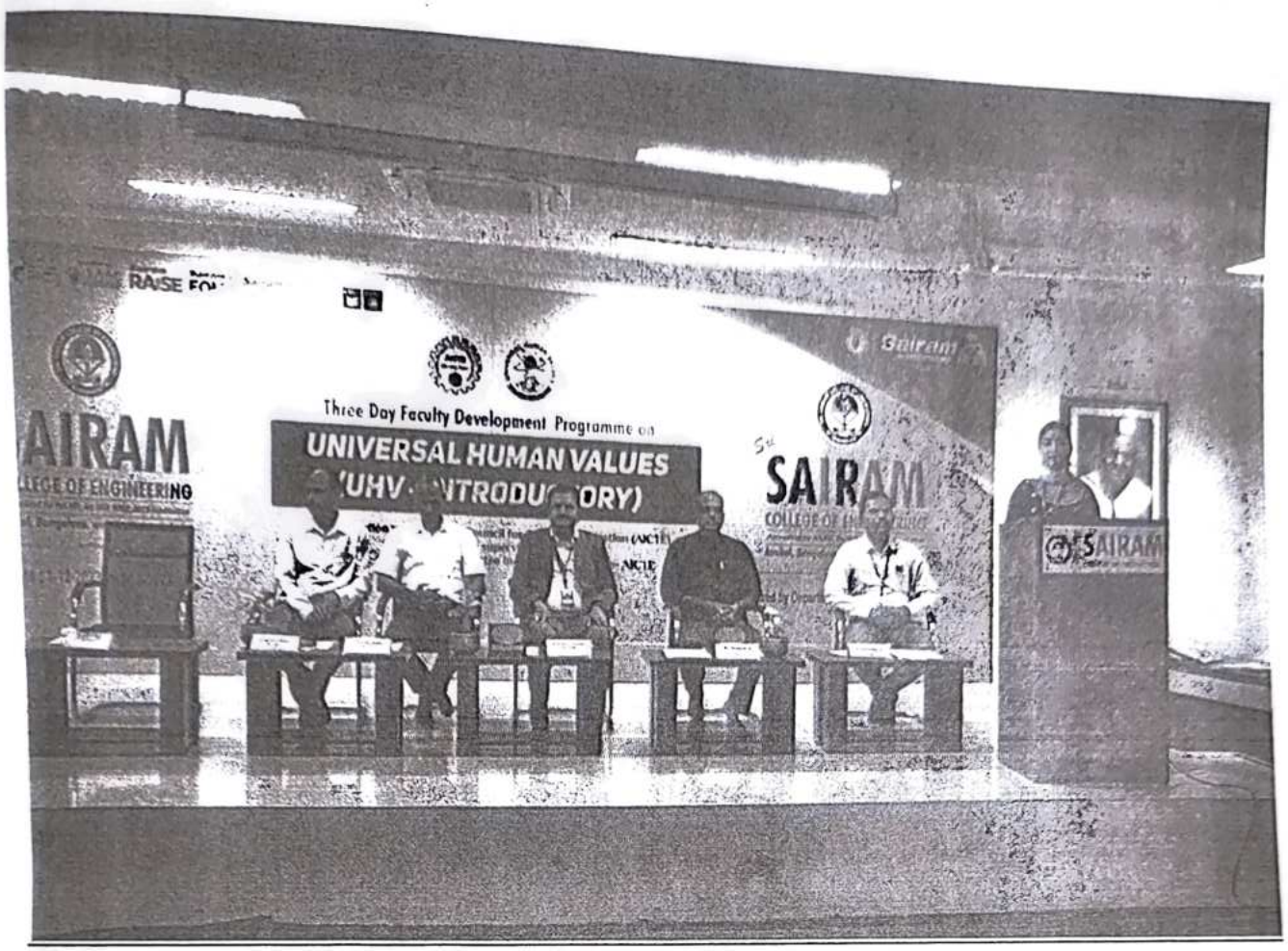
Day-2023

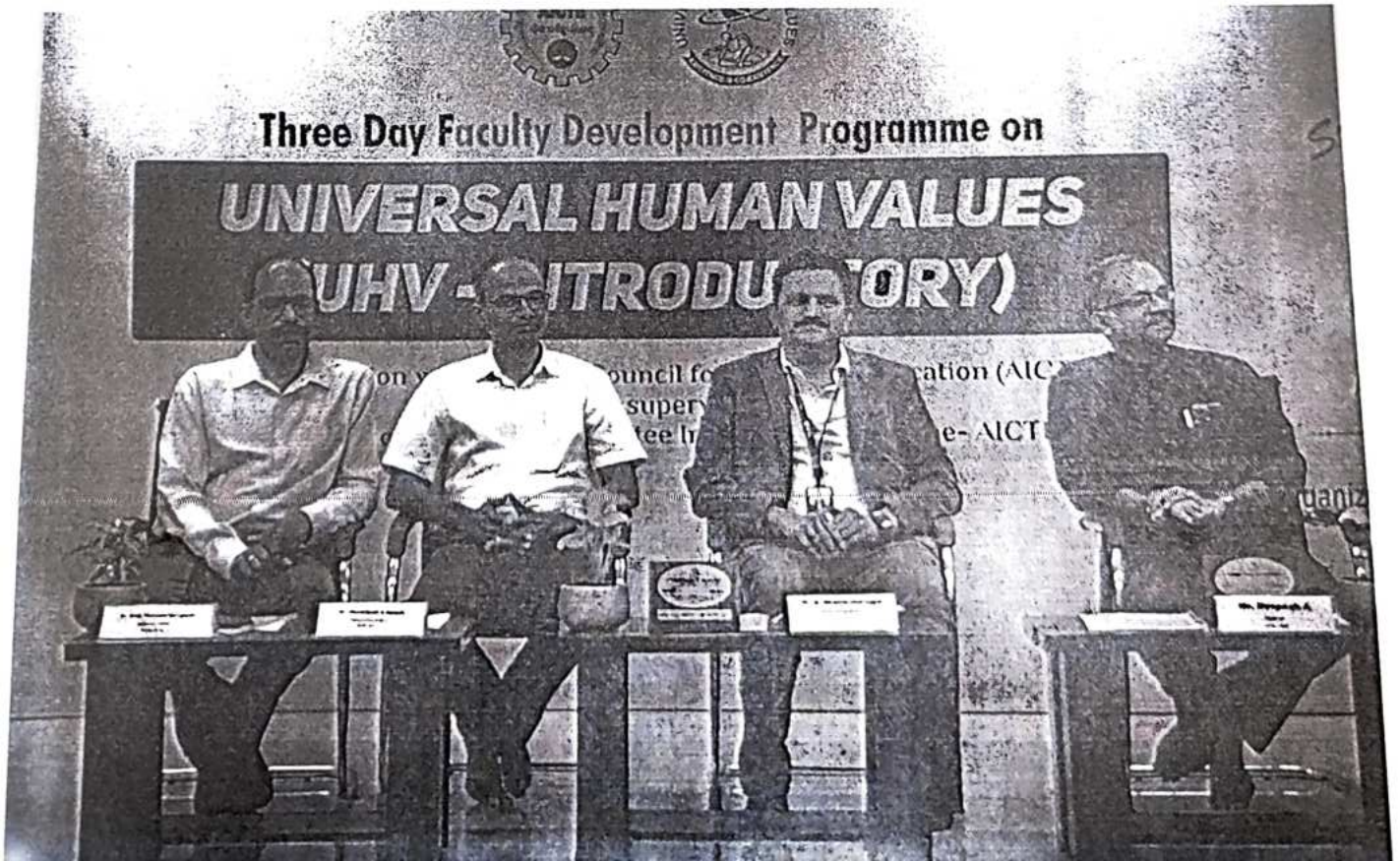
(c) Informal Sharing Session



(d) Lunch Session

(e) Valedictory Function





(f) Group Photo

epared by:

Dr. Harikrishna S

LPC, UHV- Introductory, SSCE.

SAIRAM COLLEGE OF ENGINEERING

03/04/2024

Polling Awareness Campaign-02/04/2024

Polling Awareness Campaign was organised by Department of Science & Humanities in association with Samandhur Gram Panchayath, Anekal Taluk on 02/04/2024 in college campus. The officials from gram Panchayath visited institution and created an awareness about polling to all first time voters. Principal Dr B Shadaksharappa welcomed the officials, Sri Srinath, EO, Sri Chandrashekar, PDO through a green memento. Executive Officer addressed the gathering & asked all the students to motivate their family members, neighbours to vote on the polling day. PDO, Sri Chandrashekar delivered the pledge to all students about being prompt while polling

The program ended with vote of thanks by Dr Hari Krishna S, Head Department of Science & Humanities.

3/4/2024
Coordinator

03/04/2024

Sri SAIRAM COLLEGE OF ENGINEERING
Anekal, Bengaluru

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Affiliated to Visvesvaraya Technological University
www.sairamce.edu.in

Department of Artificial Intelligence and Machine Learning

The Workshop on Machine Learning for Web Development proved to be an enriching experience for both students and myself. Witnessing the students' enthusiasm as they bridged the gap between machine learning and web development was truly gratifying. As technology continues to evolve, this workshop served as a stepping stone for students to create innovative web applications that not only deliver exceptional user experiences but also harness the power of data-driven insights.

As a facilitator, the workshop underscored the importance of continuous learning, adaptability, and creativity in today's rapidly evolving technological landscape. It was a reminder that the fusion of diverse disciplines can lead to ground breaking solutions, and I am excited to see how the students apply their newfound knowledge in their future endeavours at the crossroads of machine learning and web development.

My deep sense of gratitude to Mr. Ghanashyam S and Google Developers Educator Program India for providing such a wonderful platform to share my experience with all the relevant content to enrich my students in this field.

Personally I thank my management, Principal Dr. B Shadaksharappa, my fellow colleagues and my dear students for this opportunity.

This is for your kind information and needful.

Thanking you,

Yours Sincerely,

18/8/2023

(Sivaprakash C)
Professor & Head
Dept. of Artificial Intelligence & Machine Learning
Sri Sairam College of Engineering
Sai Leo Nagar, Guddanahalli (Post)
Anekal, Bengaluru - 562 106

19/08/2023

Sai SAIRAM COLLEGE OF ENGINEERING
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Department of Artificial Intelligence and Machine Learning

18.08.2023

Submitted,

Sub: Report on Google Developers Educator Program Workshop on "Machine Learning for Web Development" – reg.

Date of Workshop: 11.08.2023

Location: Sir M Visvesvaraya Audio Visual Hall, SCE, Anekal.

With respect to the above subject, The Workshop on Machine Learning for Web Development was an exhilarating journey into the intersection of two dynamic fields - machine learning and web development. As the facilitator of this workshop, I had the opportunity to guide students through an exploration of how machine learning techniques can enhance user experiences and drive innovation in web applications to bridging the Gap between Data and User Experience.

The workshop began with an engaging introduction, setting the context for the merging of machine learning and web development. I discussed how data-driven insights can transform the way users interact with websites, leading to personalized experiences and improved decision-making. This served as a foundation for students to understand the significance of integrating machine learning concepts into web development projects.

I delved into the basics of machine learning, ensuring that students had a solid grasp of fundamental concepts. From supervised and unsupervised learning to classification and regression, I demystified the terminology and explained how these techniques could be applied to real-world scenarios in web development. Transitioning into the core theme of the workshop, explored various ways machine learning can be integrated into web development projects. I covered recommendation systems for personalized content delivery, sentiment analysis for user feedback, and image recognition for enhanced visual experiences. Students were excited to see how these technologies could be leveraged to create more engaging and user-centric web applications.

Interactive demonstrations showcased the power of machine learning algorithms in action. From real-time text analysis to image recognition, students witnessed how these technologies can transform user experiences.

Regular feedback sessions ensured that students' queries were addressed promptly. Additionally, networking breaks provided opportunities for students to connect, share ideas, and discuss potential collaborations.

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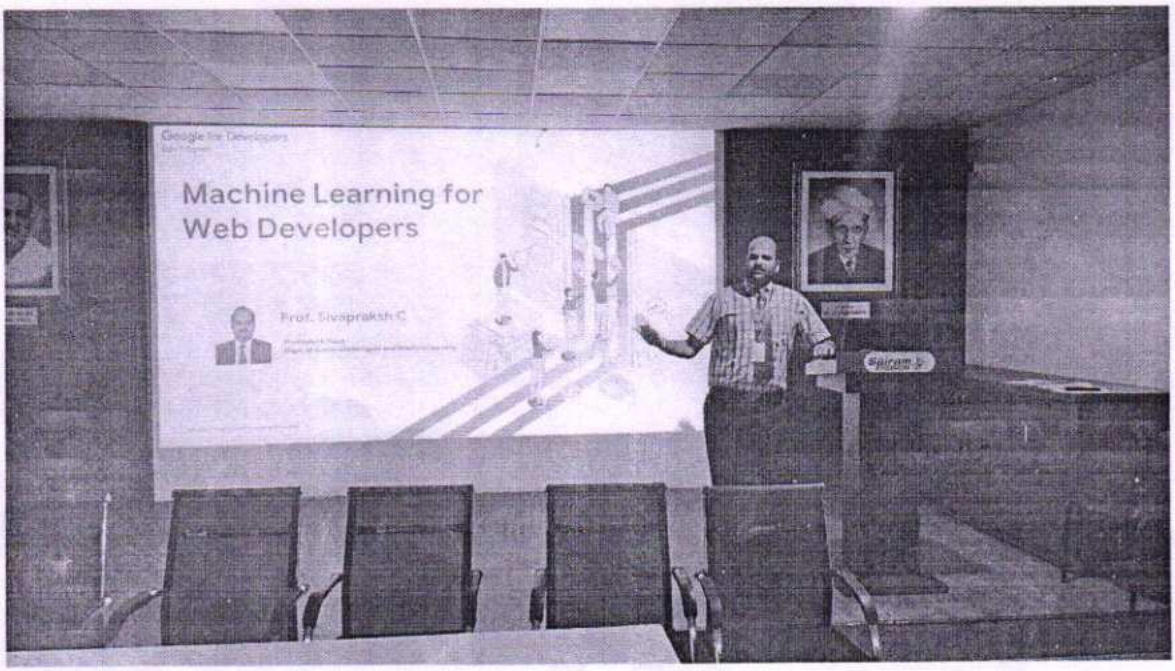
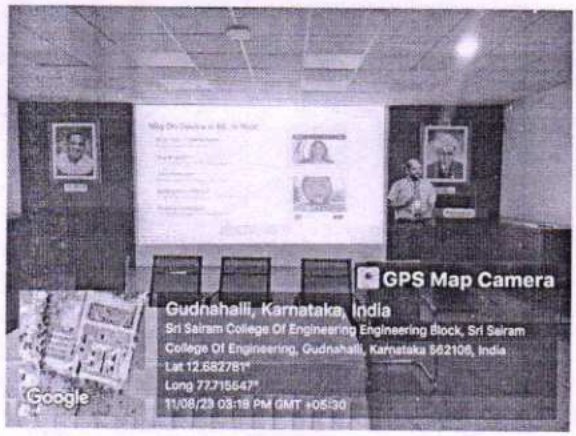
Department of Artificial Intelligence and Machine Learning

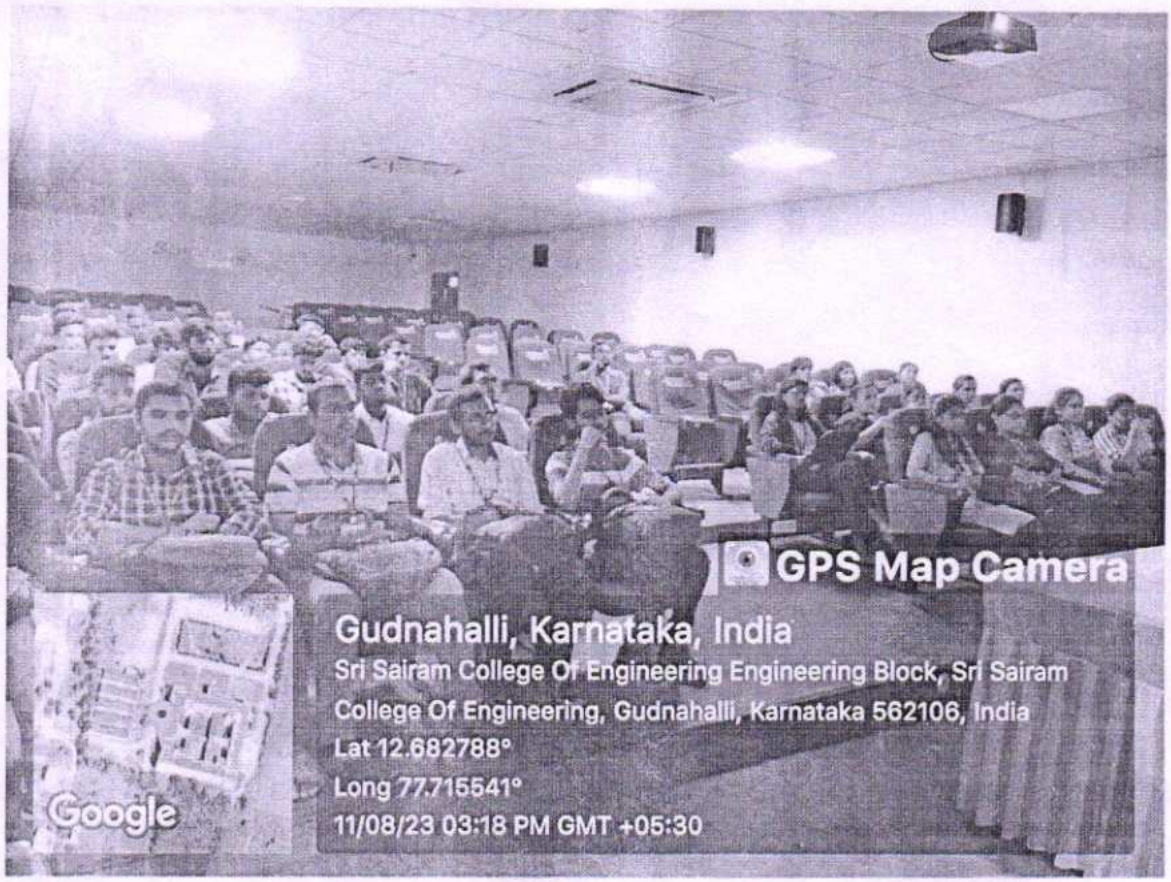
Snapshot of the Program



Department of Artificial Intelligence and Machine Learning

Snapshot of the Program





Professor & Head
Dept. of Artificial Intelligence & Machine Learning
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Sai Leo Nagar, Guddanahalli (Post)
Anekal, Bengaluru - 562 106.

DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

Date: 02.09.2023

Submitted,

Sub: **Report on Hands-on Session on Advanced Python**

With respect to the above subject, Department of Artificial Intelligence & Machine Learning, Sri Sairam College of Engineering, Bengaluru organized one day hands-on session on advanced python for the 1st & 2nd year students of AIML department. On August 31st, 2023, an engaging and informative hands-on session on Advanced Python was organized **with Dr. Mohd. Aamir Khan**, a highly accomplished Project Scientist from IIT Kanpur, serving as the resource person. The event was with the intention of enhancing participants' knowledge and skills in Python programming, particularly focusing on advanced concepts and applications. The session was attended by a diverse group of participants, including students, professionals, and Python enthusiasts.

The hands-on session was structured around various advanced Python topics, ensuring that participants could delve into both fundamental and intricate aspects of the programming language. The agenda for the session included the following key topics:

1. **Introduction to Python Concepts:**
   - Overview of the Python programming language.
   - Comparison of Python with other programming languages.
   - Importance and applications of Python in various domains.
2. **Data Structures in Python:**
   - In-depth exploration of lists, tuples, sets, and dictionaries.
   - Real-world use cases and best practices for each data structure.
3. **Object-Oriented Programming (OOP) in Python:**
   - Explanation of OOP principles and their implementation in Python.
   - Hands-on exercises on creating classes, objects, and inheritance.
4. **Advanced Libraries and Modules:**
   - An overview of popular Python libraries and modules such as NumPy, Pandas, and Matplotlib.
   - Practical examples of data manipulation and visualization using these libraries.

5. **File Handling and Input/Output:**

- Techniques for reading and writing files in Python.
- Demonstrations of CSV, JSON, and text file processing.

6. **Error Handling and Exception Handling:**

- Understanding error types and how to handle exceptions gracefully.
- Practical exercises on debugging and error resolution.

Session Highlights:

- Dr. Mohd. Aamir Khan, with his extensive experience, delivered an engaging and informative presentation on advanced Python concepts.
- The hands-on exercises and coding sessions allowed participants to apply their knowledge immediately.
- The introduction to Python libraries and their practical use cases was well-received by participants who were interested in data analysis and visualization.
- The session on web scraping and machine learning provided valuable insights into the broader applications of Python.

Conclusion:

The Hands-on Session on Advanced Python, led by Dr. Mohd. Aamir Khan was a resounding success, providing participants with a deeper understanding of Python's advanced features and its versatile applications. The practical nature of the session enabled attendees to gain hands-on experience, making it a valuable learning opportunity for both novice and experienced Python programmers. The event contributed significantly to enhancing the Python skills of the participants and furthering their knowledge in various domains where Python is widely used.
At the end of the day program concluded with feedback from students and vote of thanks by Coordinator.

We extend our gratitude to Dr. Mohd. Aamir Khan for his invaluable contributions and look forward to organizing similar sessions in the future to continue promoting knowledge and skill development in Python programming.

Nanya Vaish 4/09/23
Signature of Program Coordinator

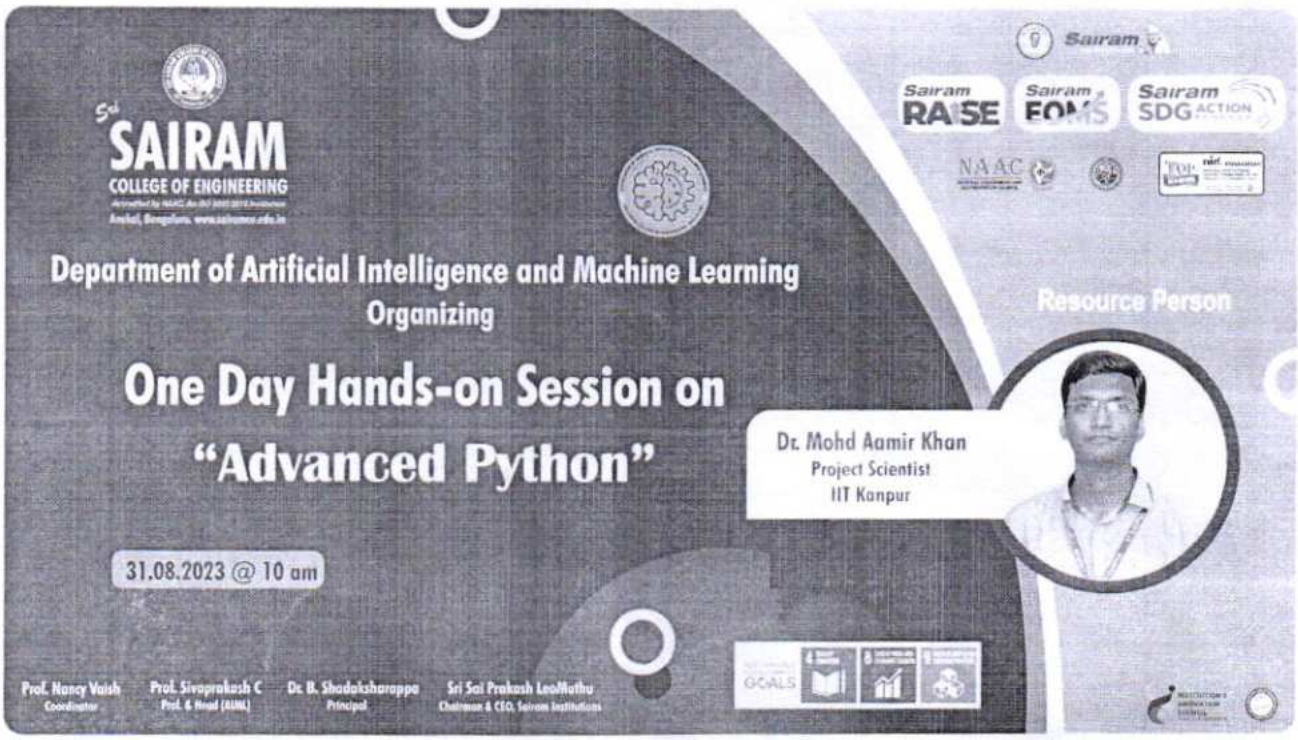
4/9/2023
Signature of HOD

Professor & Head
Dept. of Artificial Intelligence & Machine Learning
Sri Sairam College of Engineering
Sai Leo Nagar, Guddanahalli (P.O.)
Anekal, Bengaluru - 560 ...

04/09/2023

Glimpse of Session Photos

Banner


Sri
SAIRAM
COLLEGE OF ENGINEERING
Department of Artificial Intelligence and Machine Learning
Organizing
One Day Hands-on Session on
"Advanced Python"
31.08.2023 @ 10 am
Resource Person
Dr. Mohd Aamir Khan
Project Scientist
IIT Kanpur
Sairam
Sairam RAISE
Sairam EQMS
Sairam SDG ACTION
NAAC
Prof. Nancy Vaish
Coordinator
Prof. Sivaprakash C
Prof. & Head (AI/ML)
Dr. B. Shadaksharappa
Principal
Sri Sai Prakash Leathuthu
Chairman & CEO, Sairam Institutions

DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

Date: 21.02.2024

Submitted,

Sub: **Report on Seminar on UX/UI Seminar**

With respect to the above subject, Department of Artificial Intelligence & Machine Learning, Sri Sairam College of Engineering, Bengaluru organized one day seminar on UX/UI for the 2nd & 3rd year students of AIML department. On Febrarury20th, 2024, an engaging and informative session on UX/UI was organized **with Sri. Monika khatri**, Founder charcoal dust design studio serving as the resource person. The event was with the intention of enhancing participants' knowledge and skills in UX/UI, particularly focusing on advanced concepts and applications. The session was attended by a diverse group of participants, including students, and professionals.

The seminar was structured around various fields on UX/UI , ensuring that participants could delve into both fundamental and intricate aspects of the UX/UI. The agenda for the session included the following key topics:

Introduction to UX/UI Design:

- Definition of UX and UI design.
- Importance of user-centered design principles.
- Key differences between UX and UI.

User Research and Personas:

- Conducting user research to understand user needs and behaviors.
- Creating user personas to represent different user types.
- Methods for gathering qualitative and quantitative data.

Information Architecture:

- Structuring and organizing content for intuitive navigation.
- Creating sitemaps and user flow diagrams.
- Best practices for designing effective information architecture.

Wireframing and Prototyping:

- Importance of wireframing in UX/UI design.
- Tools and techniques for creating wireframes.
- Prototyping tools and methods for interactive mockups.

Visual Design Principles:

- Basics of visual design: layout, typography, color theory.
- Creating visual hierarchy to guide user attention.
- Consistency in UI elements and design patterns.

Session Highlights:

Enhanced Understanding of User-Centered Design: Seminars provide a comprehensive introduction to UX/UI principles, emphasizing the importance of designing with the user in mind. This foundational knowledge helps participants create more intuitive and effective digital experiences.

Updated Industry Insights: UX/UI design is a rapidly evolving field with new trends, tools, and methodologies emerging regularly. Seminars keep attendees informed about the latest industry practices, ensuring they stay current and competitive.

Practical Skills Development: Many seminars include hands-on workshops or case studies that allow participants to apply theoretical knowledge in practical scenarios. This experiential learning helps in mastering tools, techniques, and best practices.

Networking Opportunities: Seminars bring together professionals, enthusiasts, and experts in UX/UI design. Networking with peers and industry leaders can lead to valuable connections, collaboration opportunities, and insights into career development.

Conclusion:

The seminar on UX/UI was a resounding success, providing participants with a deeper understanding of UX/UI and its versatile applications. Moreover, seminars provide a platform for networking with like-minded professionals and receiving constructive feedback on design work. This interaction fosters personal growth and opens doors to potential collaboration opportunities.

Ultimately, the knowledge and insights gained from a UX/UI seminar empower attendees to create more intuitive, engaging, and impactful digital interfaces. Whether you're a newcomer to the field or a seasoned professional, the benefits of attending such seminars extend to career advancement, improved design proficiency, and contributing positively to the user experience ecosystem

At the end of the day program concluded with feedback from students and vote of thanks by Coordinator.

We extend our gratitude to **Sri. Monika khatri** for her invaluable contributions and look forward to organizing similar sessions in the future to continue promoting knowledge in UX/UI

Signature of Program Coordinator

Signature of HOD

Professor & Head
Dept. of Artificial Intelligence & Machine Learning
Sri Sairam College of Engineering
Sai Leo Nagar, Guddanahalli (P)
Anekal, Bengaluru - 562 106.

Glimpse of Session Photos

Banner

Sai SAIRAM
COLLEGE OF ENGINEERING
Anekal – 562 106

Department of Artificial Intelligence and Machine Learning

In Association with

CHARCOL DUST

Presents a Webinar on

Prof. Vanarasan S	Dr. Sivaprakash C	Dr. B Shadaksharappa	Dr. Sai Prakash LeoMuthu
Coordinator	Prof & Head - AIML	Principal - SCE	CEO & Chairman – Sairam Institutions

22.03.2024

Submitted to the Principal,

Sub- A Report on "Hands-on Training "Sky's the limit: Unleashing AI potential in Drones held from 11.03.24 to 13.03.24".

The Center of Excellence for Drone Innovation and Technology and the Department of Artificial Intelligence and Machine Learning have jointly organized 3 Days of Hands-on Training "Sky's the limit: Unleashing AI Potential in Drones" for the third-year and Second-year students of Artificial Intelligence and Machine Learning department from 11th March 2024 to 13th March 2024.

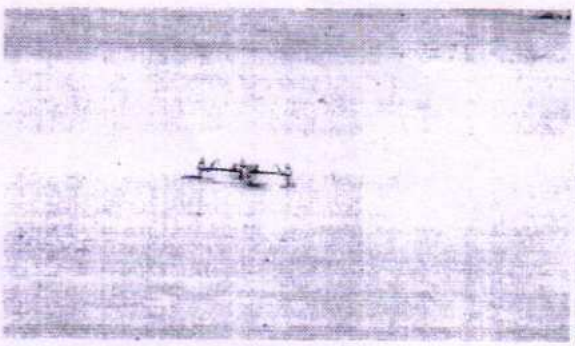
The resource persons for the program were Mr. P. Surendar and his team. Mr P. Surendar is a seasoned professional with a diverse background in both industry and academia, bringing 14 years of valuable experience to his current role as Manager at Aero Knotz Drones India Private Limited in Chennai. With four years of hands-on experience as a mechanical engineer, he leads a dynamic team at Aero Knotz Drones, where he strategically integrates his mechanical engineering expertise into the development and production of cutting-edge drone technologies.

Dr. C. Sivaprakash, Assistant Professor and Head of the Artificial Intelligence and Machine Learning department delivered the welcome address, and Miss. Padmajha P, the third year student of the Artificial Intelligence and Machine Learning department, introduced the resource people to the gathering. Dr B. Shadaksharappa, Principal of Sri Sairam College of Engineering gave the Presidential address.

Mr. P. Surendar, Manager of Aero Knotz Drones India Private Limited, also addressed all the students and briefed them about the applications of Drones to the students.

The first day of the Hands-on Training, on 13.03.24, started with the inaugural program in AV Hall and then continued with a seminar session in CSE Lab. The Second Day of the workshop, on 14.03.24, was a Hands-on session at Seminar Hall where the team interacted with individual student batches and taught students to make drones. The third day of the training program, on 15.03.24, was a flying session on the college grounds.

About, 50 students of third-year and Second-year students of the Artificial Intelligence and Machine Learning department participated in this workshop.



A Valedictory function was conducted on the third day of the session on 13.03.24 and certificates for the participants were distributed. Ms. Padmajha P, a third-year student of the Artificial Intelligence and Machine Learning department proposed the Vote of Thanks.

22/3

Co-coordinator, CoE- Drone

22/3/2024

Professor & Head
HOD, AIML
Dept. of Artificial Intelligence & Machine Learning
Sri Sairam College of Engineering
Sai Leo Nagar, Guddanahalli (Post)
Anekal, Bengaluru - 562 106.

22/03/2024

SAIRAM COLLEGE OF ENGINEERING

Department of Artificial Intelligence & Machine Learning

List of participants

Hands-on Training "Sky's the limit: Unleashing AI potential in Drones

Academic year-2023-24 Date: 11.03.2024

Sl. No	USN	Name	Year/Se	Signature
1.	1SB21AI001	Abhilash R	III/V	
2.	1SB21AI002	Abhinanda A M	III/V	
3.	1SB21AI003	Abhinaya V	III/V	
4.	1SB21AI006	Aiswarya Gowda H	III/V	
5.	1SB21AI008	Akshay Raju	III/V	
6.	1SB21AI009	Ananya P	III/V	
7.	1SB21AI010	Aradhana Dubey	III/V	
8.	1SB21AI012	Balaji R	III/V	
9.	1SB21AI014	Bhuvan Thejaswi T	III/V	
10.	1SB21AI015	Brinit Sharon M	III/V	
11.	1SB21AI016	Chandana M	III/V	
12.	1SB21AI017	Chandra Mouli C G	III/V	
13.	1SB21AI018	Chethan G S	III/V	
14.	1SB21AI019	Deepak R	III/V	
15.	1SB21AI020	Deesha A -	III/V	
16.	1SB21AI021	Dhinakaran D	III/V	
17.	1SB21AI023	Hemanthkumar B Patil	III/V	
18.	1SB21AI024	Heyram S	III/V	
19.	1SB21AI025	Israr Raiz R	III/V	
20.	1SB21AI034	Lakshmi R	III/V	
21.	1SB21AI035	Lava Prasad G V	III/V	
22.	1SB21AI036	Logeshwari T	III/V	
23.	1SB21AI037	Mithun U Reddy	III/V	
24.	1SB21AI038	Mohammed Rasil Fayaz	III/V	
25.	1SB21AI039	Nandan D	III/V	
26.	1SB21AI041	Padmajha P	III/V	
27.	1SB21AI042	Pallavi J	III/V	
28.	1SB21AI043	Pooja Rai	III/V	
29.	1SB21AI044	Pooja S	III/V	
30.	1SB21AI045	Prathap M	III/V	
31.	1SB21AI047	Rahul M	III/V	
32.	1SB21AI048	Rahul M S	III/V	
33.	1SB21AI049	Rakshak Raju K D	III/V	
34.	1SB21AI050	Reshmika R	III/V	

SAIRAM COLLEGE OF ENGINEERING

Department of Artificial Intelligence & Machine Learning

List of participants

Hands-on Training "Sky's the limit: Unleashing AI potential in Drones

35.	1SB21AI051	Sandeep Singh Shekhawat	III/V	Sandey
36.	1SB21AI054	Sri Manjunath M	III/V	
37.	1SB21AI055	Stewart Prince P M	III/V	
38.	1SB21AI056	Suji S	III/V	Suji-S
39.	1SB21AI057	T R Bhoomija	III/V	T R. Bhu
40.	1SB21AI058	Uma Shree M	III/V	M. Umashree
41.	1SB21AI059	Vaitheswaran C	III/V	C. Vaithe
42.	1SB21AI061	Vishnuvardhan P	III/V	

Co-ordinator/ CoE- Drone

HOD/AIML

II nd Year AIML

1) Keerthi. N. Puranik - 1SB22AI032 -
2) Ritusree Roy - 1SB22AI053 - Ritusree Roy
3) Minthula Sri. A - 1SB22AI042 - Minthulasri
4) Manu. M.P - 1SB22AI041 - Manu98
5) Nagesh. - 1SB22AI0MH -

Department of Artificial Intelligence & Machine Learning
List of participants

Hands on Training "sky's the limit: unleashing AI potential in Drones

Date: 12/03/2024

Academic year-2023-2024

S.no	USN	NAME	YEAR/SEM	SIGNATURE	
				FN	AN
1.	1SB21AI001	ABHILASH R	III/V		
2.	1SB21AI002	ABHINANDA A M	III/V		
3.	1SB21AI003	ABHINAYA V	III/V		
4.	1SB21AI006	AISWARYA GOWDA H	III/V		
5.	1SB21AI008	AKSHAY RAJU	III/V		
6.	1SB21AI009	ANANYA P	III/V		
7.	1SB21AI010	ARADHANA DUBEY	III/V		
8.	1SB21AI012	BALAJI R	III/V		
9.	1SB21AI014	BHUVAN THEJASWI T	III/V		
10.	1SB21AI015	BRINIT SHARON M	III/V		
11.	1SB21AI016	CHANDANA M	III/V		
12.	1SB21AI017	CHANDRA MOULI C G	III/V		
13.	1SB21AI018	CHETHAN G S	III/V		
14.	1SB21AI019	DEEPAK R	III/V		
15.	1SB21AI020	DEESHA A	III/V		
16.	1SB21AI021	DHINAKARAN D	III/V		
17.	1SB21AI023	HEMANTHKUMAR B	III/V		
18.	1SB21AI024	HEYRAM S	III/V		
19.	1SB21AI025	ISRAR RAIZ R	III/V		
20.	1SB21AI034	LAKSHMI R	III/V		
21.	1SB21AI035	LAVA PRASAD G V	III/V		
22.	1SB21AI036	LOGESHWARI T	III/V		
23.	1SB21AI037	MITHUN U REDDY	III/V		
24.	1SB21AI038	MOHAMMED RASIL	III/V		
25.	1SB21AI039	NANDAN D	III/V		
26.	1SB21AI041	PADMAJHA P	III/V		
27.	1SB21AI042	PALLAVI J	III/V		
28.	1SB21AI043	POOJA RAI	III/V		
29.	1SB21AI044	POOJA S	III/V		
30.	1SB21AI045	PRATHAP M	III/V		
31.	1SB21AI047	RAHUL M	III/V		

32.	1SB21AI048	RAHUL M S	III/V	RAHUL MS	RAHUL M.S
33.	1SB21AI049	RAKSHAK RAJU K D	III/V	Rakshak	Rakshak.
34.	1SB21AI050	RESHMIKA R	III/V	Reshmika R	Reshmika
35.	1SB21AI051	SANDEEP SINGH SHEKHAWAT	III/V	Sandeep	Sandeep
36.	1SB21AI054	SRI MANJUNATH M	III/V		
37.	1SB21AI055	STEWART PRINCE P M	III/V	Stewart	Stewart
38.	1SB21AI056	SUJI S	III/V		
39.	1SB21AI057	T R BHOOMIJA	III/V	T.R.Bhoomija	T.R.Bhoomija
40.	1SB21AI058	UMA SHREE M	III/V	M. Umashree	M. Umashree
41.	1SB21AI059	VAITHESWARAN C	III/V	C. Vaitheswaran	C. Vaitheswaran
42.	1SB21AI061	VISHNUVARDHAN P	III/V	Vishnuvardhan P	Vishnuvardhan P
43	1SB22AI032	Keerthi N. Puranik	II/III		
44	1SB22AI053	Ritusree Roy	II/III	Ritusree Roy	Ritusree Roy
45	1SB22AI042	Minuthula Sri. A	II/III	Minuthula	Minuthula
46	1SB22AI040	Manu TM	II/III	Manu TM	Manu TM
47	1SB22AI043	Nagesh	II/III	Nagesh	Nagesh

Co-ordinator

HOD

SAIRAM COLLEGE OF ENGINEERING
Anekal, Bengaluru

Accredited by NAAC
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25 years of excellence

11/3/24 to 13/3/24.

Department of Artificial Intelligence & Machine Learning
List of participants

Hands on Training "sky's the limit: unleashing AI potential in Drones

Date: 13/03/2024

Academic year-2023-2024

S.no	USN	NAME	YEAR/SEM	SIGNATURE	
				FN	AN
1.	1SB21AI001	ABHILASH R	III/V		
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7.	1SB21AI010	ARADHANA DUBEY	III/V		
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31.	1SB21AI047	RAHUL M	III/V		

32.	1SB21AI048	RAHUL M S	III/V	RAHUL.MS	RAHUL.M.S
33.	1SB21AI049	RAKSHAK RAJU K D	III/V	Rakshak	Rakshak.
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43	1SB22AI032	Keerthi N. Puranik	II/III		Keerthi
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46	1SB22AI041	Manu MR	II/III	Manu MR	Manu MR
47	1SB22AI043	Nagesh	II/III	Nagesh	Nagesh

Co-ordinator

HOD

DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

Date: 20.12.2023

Submitted,

Sub: **Report on Workshop on Block chain Technology**

With respect to the above subject, Department of Artificial Intelligence & Machine Learning, Sri Sairam College of Engineering, Bengaluru organized one day Workshop on block chain technology for the 2nd & 3rd year students of AIML department. On December 19th, 2023, an engaging and informative session on block chain technology was organized **with Sri. Shreyas S** Technological Trainer from seventh sense Talent Solution, Bengalore serving as the resource person. The event was with the intention of enhancing participants' knowledge and skills in Block chain Technology, particularly focusing on advanced concepts and applications. The session was attended by a diverse group of participants, including students, and professionals.

The workshop was structured around various features of blockchain technology, ensuring that participants could delve into both fundamental and intricate aspects of the blockchain. The agenda for the session included the following key topics:

1. **Introduction to Blockchain Technology:**
   - Definition and basic concepts of blockchain.
   - Brief history and evolution of blockchain technology.
   - Key characteristics of blockchain (decentralization, transparency, immutability, etc.).
2. **Blockchain Architecture:**
   - Components of a blockchain (blocks, nodes, miners, etc.).
   - Types of blockchains (public vs. private, permissioned vs. permissionless).
   - Consensus mechanisms (Proof of Work, Proof of Stake, etc.).
3. **Crypto currencies and Tokens:**
   - Understanding crypto currencies and their role in blockchain ecosystems..
   - Initial Coin Offerings (ICOs) and Security Token Offerings (STOs)
4. **Blockchain Security::**
   - Overview of blockchain security principles.
   - Common security threats and vulnerabilities in blockchain systems.

5. **Blockchain Development Tools:**
    - Setting up a blockchain development environment.
    - Hands-on exercises or demos on blockchain programming.

Session Highlights:

- Sri.Shreyas S, with his extensive experience, delivered an engaging and informative presentation on Block chain Technology.
- This workshop provides insights for the participants to apply their knowledge immediately.
- Workshops often attract a diverse group of participants, including industry professionals, enthusiasts, and newcomers. Networking with these individuals can lead to valuable connections, collaboration opportunities, and insights into industry trends and best practices.

Conclusion:

The workshop on block chain technology was a resounding success, providing participants with a deeper understanding of block chain technology and its versatile applications. The practical nature of the session enabled attendees to gain hands-on experience, making it a valuable learning opportunity for both novice and experienced in the domain of block chain. The event contributed significantly to enhancing the knowledge in blockchain to the participants and furthering their knowledge in various domains.

At the end of the day program concluded with feedback from students and vote of thanks by Coordinator.

We extend our gratitude to Sri.Shreyas S for his invaluable contributions and look forward to organizing similar sessions in the future to continue promoting knowledge in block chain technology

20/12/23

Signature of Program Coordinator

20/12/2023

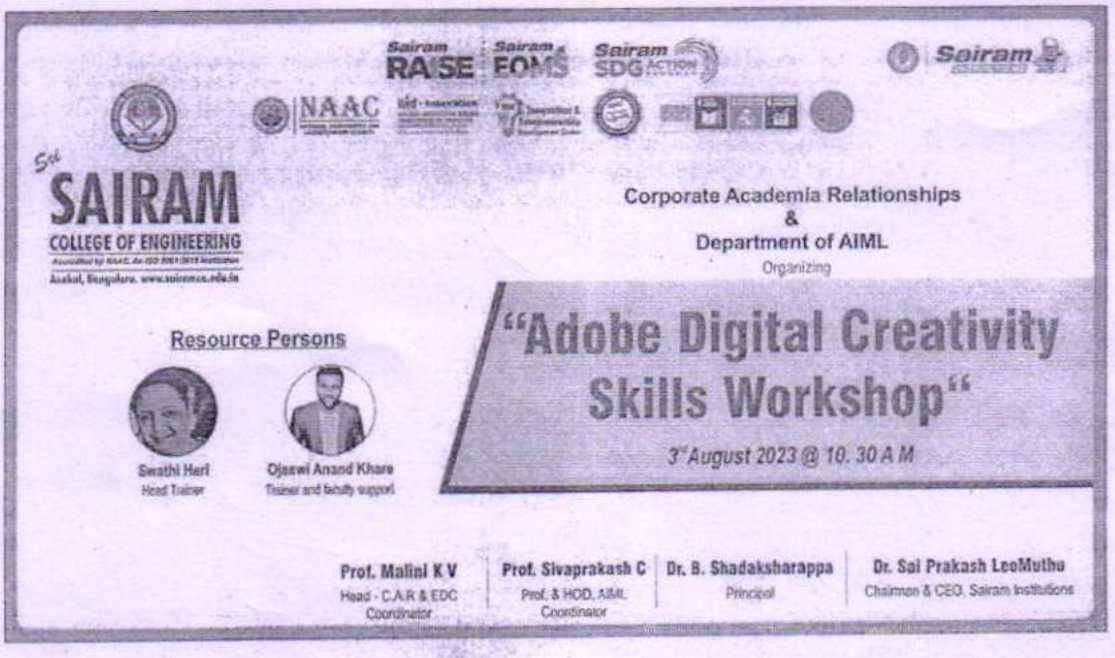
Signature of HOD

20/12/2023

Glimpse of Session Photos

Report on Adobe Digital Creativity Skills Workshop-03/08/2023

The Corporate Academia Relationships Cell & Dept. of AI & ML had organized a Workshop **"Adobe Digital Creativity Skills** in association with ADOBE & AICTE on 03 08 2023 at CSE lab .The program was organized to upskill the teaching and Non teaching Staff from our campus. **Prof. Malini K V** Head-Corporate Academia Relationships & EDC Welcomed the Resource Persons **Ms.Swathi Hari-Head Trainer, ADOBE & Mr. Ojaswi Anand Khare, Trainer & Faculty Support** from Adobe, **Principal Dr. B. Shadaksharappa**, Management Representative **Dr. R. Arunkumar** & Participants to the workshop.



Principal **Dr. B. Shadaksharappa** spoke about the digital education and the tools which are making it interesting, He spoke about the expectations of the learners and the content creation which is highly challenging and need for the educators to update themselves to make the delivery of the content more interesting. He also mentioned about the usage of tools in creating digital content to social media and other materials which has a great impact .

He thanked ADOBE & AICTE for this initiative of skilling and upskilling the educators on digital content creation using ADOBE EXPRESS

The session commenced with **Ms. Swathi Hari** who elaborated about the features of ADOBE EXPRESS , the steps to create the content, webpage, photo background edits and so on,,The participants created their webpage and added relevant photos, videos , used the features of grid,sketch and others..

Mr. Ojaswi anand Khare took the workshop through Generative AI and taught about the image creation for the imagination , description etc...explained how the effects could be added and explained the way to publish the work on their webpage.

Ms. Swathi Hari explained about the contents of training and the badges that could be earned by the students and educators .Feedback form was rolled out and the work link to be submitted which will be evaluated towards issue of Certificate.

Participants expressed their happiness and thanked the trainers on this tool and the way the workshop was conducted. Principal appreciated and thanked the speakers .

The format note of thanks was proposed by Prof. Malini K V Head-C.A.R & EDC thanked speakers for their principal Dr. B. Shadaksharappa and Management Representative Dr. R. Arunkumar for their support and motivation, Co organizer **Prof. C Sivaprakash HOD-AI & ML** for the interest & co operation, participants for their keen interest , time and participation.

Thanking You,

Sincerely,

1. Prof. Malini K V
2. Prof. C. Sivaprakash

07/08/2023

India Higher Education