



Sreenivasa Institute of Technology and Management Studies (SITAMS)

Murukambattu, Chittoor, Andhra Pradesh
Department of ECE

Two day Hands on Workshop On

“Arduino with Real Time Applications”



Introduction: Arduino is an open-source electronics platform based on easy-to-use hardware and software. The goal of Arduino is to create an accessible way for software developers to enter the world of microcontroller programming. Arduino is a microcontroller interface built around an Atmel ATmega processor, coupled with an integrated development environment (IDE) for creating logic on the chip. Arduino allows users a simple pathway to creating interactive objects that can take input from switches and sensors, and control physical outputs like lights, motors, or actuators.

Objectives:

The objective of this workshop is

- To learn basics of electronics and circuits, embedded systems & microcontrollers
- Arduino IDE and programming
- Simulation projects
- Interfacing with various sensor modules
- Simulation and Hands-on session to train the students

Speaker's Details : Ms.S.Selvi, Associate Software Engineer, Bosch Global Software Technologies, Coimbatore &

Mr.S.Anush Kumar, Junior Software Engineer, Rently, Coimbatore.

Co-ordinator : Dr. C. Kavitha, Associate Professor, ECE Dept., SITAMS.

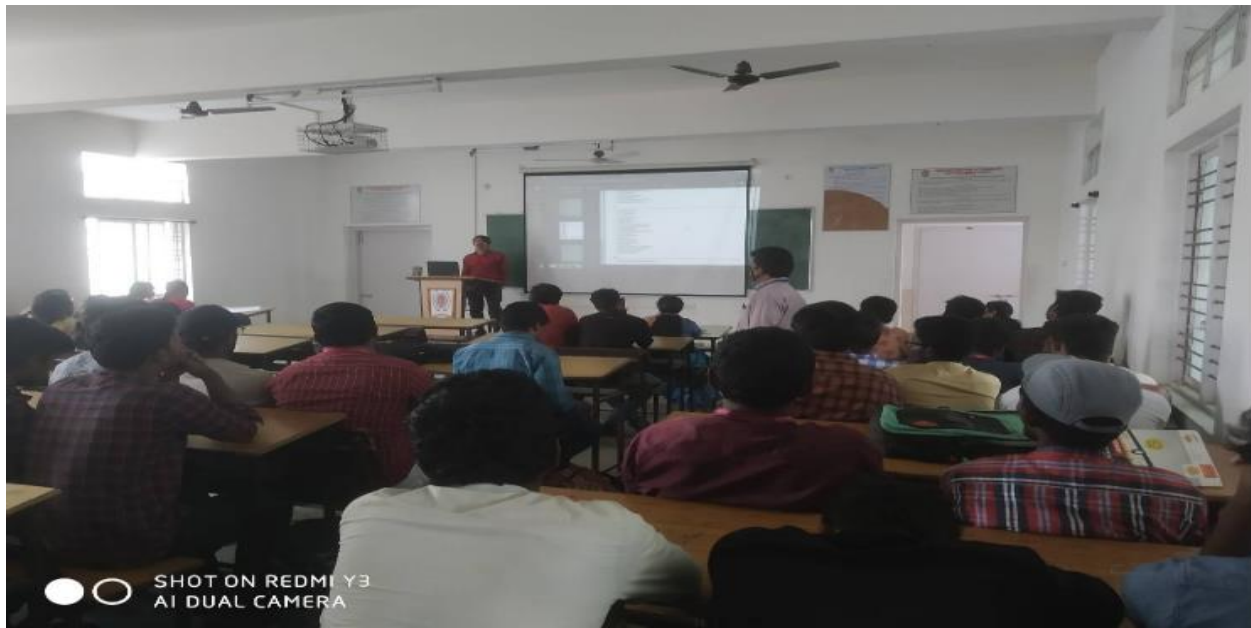
Date : 22nd and 23rd April 2022

Target Audience : III year ECE Students (89 students)

Organised by : Department of ECE, SITAMS.

INDUSTRIAL EXPERT LECTURE

Electrical and Electronics Engineering department of SITAMS has organized a guest lecture on “Evolution of Electricity” for the students of Third year and Final Year by Mr.M.Sunil Kumar, Assistant Divisional Engineer OLM, APTRANSCO, APSPDCL on 29th December 2021 from 10:30 AM to 12:30 PM in Gallery.



In the beginning of the lecture Dr.P. Ramesh Kumar, Principal invited the guest. After that Dr.V.Maheswari, HOD EEE illustrated about the various activities run by the Department of EEE like Seminars, Workshops, Conferences etc. She introduced the invited speaker and also discussed about the importance of awareness on latest technologies in day to day life for faculty as well as for students.

The lecture was ended by Vote of Thanks given by Mr. K. Chandra Kumar, Assistant professor, Dept. of EEE.

Industry Expert talk
(2021-2022)

Department of Electronics and Communication Engineering organized a Industry Expert talk on “FPGA ARCHITECTURES” for faculty on 17.07.2021. The industrial expert was Mr. Prafulla Galphade, Senior Principal Program Manager from Cadence Design System (India) Pvt Ltd.

He delivered general talk on HDL. The Expert talk was very interactive in which the faculty actively took part to enhance their knowledge about FPGA ARCHITECTURES. Dr M. Saravanan, HOD, ECE appreciated the efforts of Mr. Prafulla Galphade for sharing the knowledge on HDL.



**SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES
(AUTONOMOUS)**

**Industry Expert talk
(2021-2022)**

Department of Electronics and Communication Engineering organized a Industry Expert talk on “OP-AMP Applications” for faculty on 10.7.2021. The industrial expert was Dr P. Subbanna Bhat, Chief Mentor from Anvation labs, Bangalore.

HeDeliveredgeneral talk onLinear Integrated Circuits. The Expert talk was very interactive in which the faculty actively took part to enhance their knowledge about OP-AMP Applications. DrM. Saravanan, HOD, ECE appreciated the efforts of Dr.P. Subbanna Bhatfor sharing the knowledge on Linear Integrated Circuits.



**SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES
(AUTONOMOUS)**

**Industry Expert talk
(2021-2022)**

Department of Electronics and Communication Engineering organized a Industry Expert talk on “Introduction to Android App Development” for faculty on 12.08.2021. The industrial expert was Ms.Priyanka B Gaikwad, Software Developer, from Welldoc, India.

SheDeliveredgeneral talk on Wireless and Mobile Communication. The Expert talk was very interactive in which the faculty actively took part to enhance their knowledge about Introduction to Android App Development. Dr M. Saravanan, HOD, ECE appreciated the efforts of Ms. Priyanka B Gaikwad for sharing the knowledge on Wireless and Mobile Communication.



SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES
(AUTONOMOUS)

Industry Expert talk
(2021-2022)

Department of Electronics and Communication Engineering organized a Industry Expert talk on “Career growth in electronics Industry” for faculty on 24.10.2021. The industrial expert was Mr.Bipin Malhan, Managing Director from Invecas Technologies.

HeDeliveredGeneral talk onrecent innovations and developments in electronics Industry. The Expert talk was very interactive in which the faculty actively took part to enhance their knowledge about Career growth in electronics Industry. DrM.Saravanan, HOD, ECE appreciated the efforts of Mr. Bipin Malhanfor sharing the knowledge on recent innovations and developments in electronics Industry.



**SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES
(AUTONOMOUS)**

**Industry Expert talk
(2021-2022)**

Department of Electronics and Communication Engineering organized a Industry Expert talk on “Analog Electronics Product Development” on 07.11.2021. The industrial expert was Ms. Poornima Mohanachandran, CEO from Ekalakshya.

She Delivered General talk on Electronic Devices and Circuits. The Expert talk was very interactive in which the faculty actively took part to enhance their knowledge about Analog Electronics Product Development. Dr K. Gopi, HOD, ECE appreciated the efforts of Ms. Poornima Mohanachandran for sharing the knowledge on Electronic Devices and Circuits.

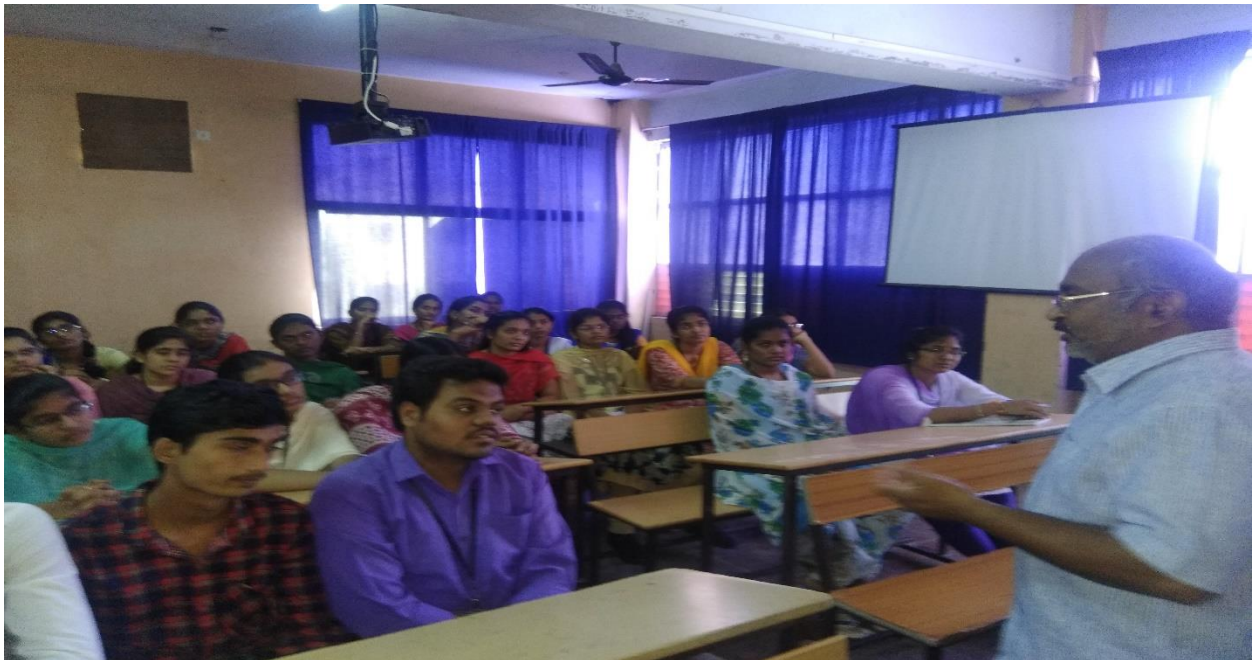


SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES
(AUTONOMOUS)

Industry Expert talk
(2021-2022)

Department of Electronics and Communication Engineering organized a Industry Expert talk on “VLSI-transistor to transformation” for faculty on 09.12.2021. The industrial expert was Mr.Shriram S, Hardware Design Engineer from Intel Technologies.

HeDeliveredGeneral talk on Recent Advancements in VLSI. The Expert talk was very interactive in which the faculty actively took part to enhance their knowledge about VLSI-transistor to transformation. Dr K. Gopi, HOD, ECE appreciated the efforts of Mr. Shriram Sfor sharing the knowledge on Recent Advancements in VLSI.





SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES

(AUTONOMOUS)

Chittoor

MCA Department

Date : 11.4.2022

A Report for One Day Workshop on “MongoDB – A NoSQL Database”

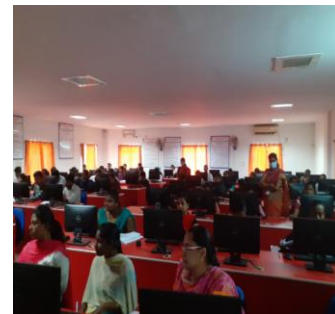
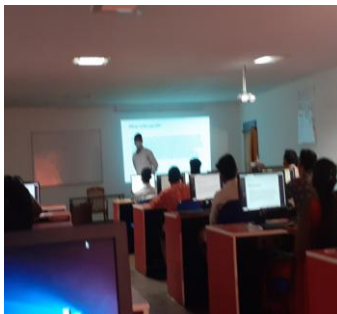
A **One Day Workshop on “MongoDB – A NoSQL Database”** organized on 9.4.2022 for MCA I & III Year I Semester students by MCA Department, SITAMS, Chittoor. The resource person for this webinar is **Mr. A. Vamsi Krishna , Full Stack Developer , TCS, Chennai & Mr. B. Sujai, Software Associate, CTS**. Both of them has 2 years of software industrial experience.

Topic highlight

MongoDB is an open-source document database and leading NoSQL database. MongoDB is written in C++. It gives great understanding on MongoDB concepts needed to create and deploy a highly scalable and performance-oriented database.

MongoDB is a cross-platform, document oriented database that provides, high performance, high availability, and easy scalability. MongoDB works on concept of collection and document.

Database is a physical container for collections. Each database gets its own set of files on the file system. A single MongoDB server typically has multiple databases



Conclusion

The students understand the procedure of MongoDB – A NoSQL Database. In this ,they learned & Practiced the difference between RDBMS & MongoDB with respect to Database, Collection, Datatype, Documents, Indexing and Sharding with live example

Coordinator
Mr. J. Sheik Mohamed

Convener
Prof. M. E. Palanivel



SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES

(AUTONOMOUS)

Chittoor

MCA Department

Date : 24.3.2022

A Report for One Day Seminar on “Technology & Interview Process”

A **One Day Seminar on “Technology & Interview Process”** organized on 23.3.2022 for MCA I & III Year I Semester students by MCA Department, SITAMS, Chittoor. The resource person for this seminar is **Mr. V. Haribabu, Senior Principal Consultant , NTT Data, USA.** He has 16 years of software industrial experience.

Topic highlight

As the technology is keep growing in the current software industry market depends on the business process change. It is essential to update the knowledge to understand the current scenario of industrial requirement. He explained the current technology in detail with real time examples. As well, all the students are also explained with interview process according to the technological changes in the industry.



Conclusion

The students understand the concept of various technology that are trending right now as well as interview process with respect to technology expectation in the software industry.

Coordinator
Mr. J. Sheik Mohamed

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