



# LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC & NBA (CSE, IT, ECE, EEE & ME)

Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada

L.B.Reddy Nagar, Mylavaram-521230, Krishna Dist, Andhra Pradesh, India

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## DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

### Report on the event Online Guest Lecture on “Essential Skills & knowledge needed for Embedded R & D engineers

Event Type	:	Guest Lecture
Date / Duration	:	26.05.2021 , 1hour
Resource Person	:	Mr.D.Ramakrishna
Name of Coordinator	:	Dr.G.L.N.Murthy
Target Audience	:	B.Tech IV <sup>th</sup> Semester students
Total no of Participants:	:	Students: 144 Nos.
Objective of the event:	:	To educate the students about the current needs of the industry and to make him/ her aware about transforming into employable engineer.
Outcome of event	:	Students could be able to gain knowledge on which platforms one should get acquainted to become successful.

#### Description / Report on Event:

In his inaugural speech Dr.Y.Amar babu, head of the department has mentioned that as the foundation courses are already over, this is the right time for the IV semester students to get acquainted with the needs of the industry. He thanked Efftronics systems Pvt. Ltd for continuous support through knowledge sharing. It was told that guest lectures, faculty training programs have been organized in collaboration with Efftronics. The lecture started with introducing Internet of things(IoT) to the students. IoT is fundamentally composed of four steps viz sense, communication, analyze and act. Being an Electronics & Communication engineer the students should be get knowledge about the communication technology. Digital technology has entered into broad applications like television, mobile communication and so on and hence each should be oriented towards learning the same. The concepts behind Boolean algebra meant for

simplification of truth tables have been explained. In sequential circuits, everything is synthesized with state machines and hence should be practiced well.

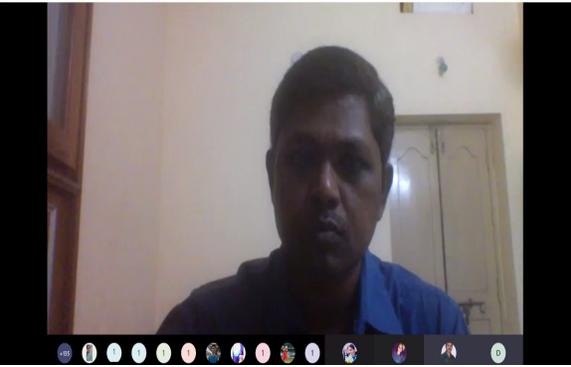
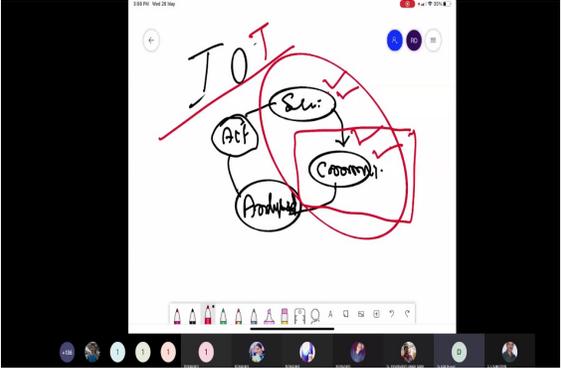
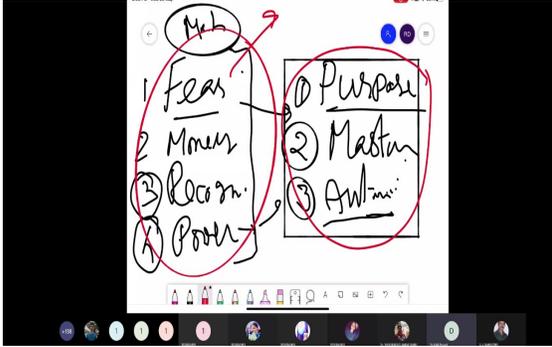
It was told, Algebra is the base for understand and analyzing majority of the systems that are generally dealt with. Once one represents systems mathematically, programming is a mandatory to implement the same. It was told that protocols are a must for communicating data from one CPU to another. Thus, the way to build the protocols along with their working should be known well. Coding is the skill needed for working with digital technology and the way data is organized and used should also be learnt through data structures.

Soft ware development cycle contains four underlying steps analysis, design, implementation and testing. Earlier implementation was consuming much time as better compilers and tools along with built in library functions are not available. Understanding the various solutions possible comes under analysis that will be followed by design. The designing process will be effective only if optimization is done. It was told that documentation plays a vital role in communicating so that one can understand easily and hence should be acquainted.

Apart from all the technical skills, it is more important to have growth mind set. The efforts to be put for growing professionally must be known and performed well. When one wants to grow, creation of value to customer is significant and this needs creativity. Thus technology, proper mind set and practice will increase the capability. Mere having the fear, money, recognition and power are not sufficient to get the desired results. One should know the purpose of working along with mastery in the subject. Each should have autonomy in thinking instead of simply learning from the books or lectures. The lecture ended by, thanking the resource person for educating the students about the skill set to get acquainted with.

Feedback / Suggestions : Nil

Photographs:

 <p>Addressing by Dr.Y.Amar Babu , HOD</p>	 <p>Addressing by the resource person Mr.D.Ramakrishna,CEO , Efftronics System Pvt. Ltd</p>
 <p>Introduction to IoT by the resource person Mr.D.Ramakrishna</p>	 <p>Skill set required for Mastery by the resource person Mr.D.Ramakrishna</p>
 <p>Vote of thanks for the resource person</p>	