

R.M.K.GROUP OF INSTITUTIONS
CENTRE OF EXCELLENCE-EMBEDDED
SYSTEMS

WEBINAR-1

RMK GROUP OF INSTITUTIONS
EMBEDDED SYSTEMS COE

Webinars On

EMBEDDED SYSTEMS AND APPLICATION DATE:25-04-2020 @ 3-4PM PARTICIPANTS: II YEAR STUDENTS	OPPORTUNITIES IN EMBEDDED SYSTEMS DATE:27-04-2020 @ 10-11AM PARTICIPANTS: III YEAR STUDENTS
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EXPERT ON SESSION
Ms.SWETHA N,
SYSTEM VALIDATION ENGINEER,
INTEL CORPORATION.

COORDINATORS :

DR.S.ANITA ASSOCIATE PROFESSOR	MS.M.SHAKUNTHALA ASSISTANT PROFESSOR	MS.GEETHAMAHALAKSHMI ASSISTANT PROFESSOR
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DATE:25.04.2020

TIME:3.00 PM TO 4.00PM

VENUE:ZOOM MEETING

TOPIC:EMBEDDED SYSTEMS AND APPLICATIONS

EXPERT ON SESSION:

MS.N.SWETHA

System Validation Engineer

Intel Corporation

ORGANISERS:

- 1. Dr.S.Anitha,Associate Professor,RMKEC/EEE**
- 2. Ms.M.Shakunthala, Associate Professor,RMKEC/ECE**
- 3. Ms.G.Geethamahalakshmi,Assistant Professor,RMKCET/EEE**

TARGET AUDIENCE:II year Embedded CoE students

KEY TAKEAWAYS:

1. Basics of Embedded System

An embedded system can be thought of as a computer hardware system (microcontroller or microprocessor based) having software embedded in it, designed to perform a specific task. Can be an independent system or it can be a part of a large system.

Ex: Washing machine, mobile phone. etc.

Includes three major components:

Hardware

Software

Application Software or RTOS

2. Job offers in Embedded field



3. Career Guidance

Step by step learning methodology for career perspective is discussed in detail

Important links for aptitude preparation, programming skill

WHAT CAN I START LEARNING NOW?

From a career perspective,

“Building a good resume makes you stand out from the rest of the crowd!!!”

1. General Aptitude

- Quants : <https://www.indiabix.com/aptitude/questions-and-answers/>
- Logical Reasoning : <https://www.indiabix.com/logical-reasoning/questions-and-answers/>
- Verbal Ability : <https://www.indiabix.com/verbal-ability/questions-and-answers/>

improvement links, Operating Systems and Interview preparation websites discussed

2. Electronics Basics

- Semiconductor Devices
- Microcontroller(8051), Microprocessor(8086,8085)
- Digital Electronics & VLSI Concepts

3. In – depth knowledge of either C/C++/Python

- Learn to understand each concept, its syntax and usage clearly.
 - C & C++, Python : <https://www.codesdope.com/>
 - Python : <https://www.learnpython.org/>
- Learn to identify errors. Debugging of errors increases understanding.
- Solve problems and challenges in
 - <https://www.hackerrank.com/>
 - <https://www.codechef.com/>

4. Exposure to LINUX environment and RTOS

- Knowing basic LINUX commands/operations (creating a directory, copying files, listing files and content, searching a file. etc.) – <https://www.guru99.com/must-know-linux-commands.html>
- Brief knowledge of Shell Scripting -- https://www.tutorialspoint.com/unix/shell_scripting.htm
- OS Concepts & Fundamentals -- <https://www.geeksforgeeks.org/operating-systems.html>

5. Prep for Interview

<https://www.geeksforgeeks.org/company-interview-corner/>