

## **SJC INSTITUTE OF TECHNOLOGY, Chickballapur**

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

### **BRIEF WORKSHOP REPORT ON "ADVANCED EMBEDDED SYSTEM DESIGN"**

SJC Institute of Technology - Department of Electronics And Communication Engineering, has organized a Technical talk on "ADVANCED EMBEDDED SYSTEM DESIGN" for Sixth Semester ECE Students on 22<sup>nd</sup> June 2023 at 9.30AM in ECE Seminar Hall. The program was organized to give the awareness on Designing of an Advanced Embedded Systems to the students. The Resource Persons for the session are Prof. Prakasha G, Prof. Lakshmi Manasa and Prof. Niranjana C from Department of Electronics and Communication Engineering, Sri Venkateshwara College of Engineering, Bengaluru. The Resource persons interacted with the students, discussed recent developments in Embedded Architecture, implementation of Real Time Algorithms, programming concepts, certification trainings and about job opportunities and coding competitions on Embedded Systems. 163 Students and 9 Faculty members attended the workshop.

**The following topics were discussed.**

- Introduction to Embedded Systems
- Introduction to Advanced Embedded Architecture
- Recent Developments in Embedded Architecture
- Architecture of ARM7
- ARM Processor Interfacing
- Real Time Operating System and IDE
- Implementing Real Time Algorithm & Multitasking
- Tools for Real Time Embedded System Development
- Device Driver Programming
- Embedded Systems Trends & Market around Globe
- Programming Concepts
- Embedded Networking
- Career opportunities in Embedded Systems
- Hands on with ARM Processor



**OUTCOMES:**

**The Students were able to**


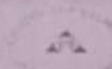
- Elucidate the Architecture and Applications of embedded systems.
- Understand the Real Time Operating System and Integrated Development Environment.

- Comprehend the practical orientation of actual industrial product design.
- Interface Embedded Networking (I2C Bus Standard, Bluetooth, Zigbee, USB & UART).
- Learn the designing of Real-World Projects.
- Choose components based on engineering design criteria.
- Know the Career opportunities available in the field of Embedded Systems.
- Motivate to take up career in Core Industries.


### EVENT BROCHURE


**SJC INSTITUTE OF TECHNOLOGY**  
Chokkhalipura 562102  
Approved by VTU, Bangalore, Recognized by ANETU, New Delhi, Accredited by RAJWAS, K. J. Somaiya, NTA, AICTE & AACSB with A++ grade. Good rated by QS 543999.


**Department of Electronics & Communication Engineering**  
Organizing  
**WORKSHOP ON**  
**"Advanced Embedded System Design"**  
Resource Persons



**Prof. Lakshmi Manasa**  
Dept. of ECE



**Prof. Prakasha G**  
Registrar



**Prof. Niranjana C**  
Dept. of ECE

Sri Venkateshwara College of Engineering, Bengaluru

**Date : 22-06-2023      Time : 09:30 am      Venue : ECE Seminar Hall**

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**Co-ordinators**

**Dr. S. Bhargavi**  
Professor  
Dept. of ECE

**Shwetha V**  
Assistant Professor  
Dept. of ECE

**Savitha M M**  
Assistant Professor  
Dept. of ECE

**Convener**  
**Dr. B N Shobha**  
HOD, ECE Dept.

**Organizing Chair**  
**Mr. Suresha J**  
Registrar

**Program Chair**  
**Dr. G T Raju**  
Principal



|| Jai Sri Gurudev ||

Sri Adichunchanagiri Shikshana Trust ®

**SJC INSTITUTE OF TECHNOLOGY**

Chickballapur-562101, Karnataka, India



Department of Electronics and Communication Engineering

**ONE DAY WORKSHOP  
ON  
ADVANCED EMBEDDED SYSTEM DESIGN**



**22<sup>nd</sup> June 2023, Thursday**

**at 9.30AM in ECE Seminar Hall for 6<sup>th</sup> Semester Students**

**PROGRAM SCHEDULE**

**Master of Ceremony - Miss. Rakshitha K**

Program	Details
Invocation Song	Miss.Bhavana
Welcome Speech	Prof.Savitha M M Assistant Professor, Dept of ECE, SJCIT
Lighting of Lamp	By Dignitaries
Address by HOD	Dr. Shobha B N HOD, Dept of ECE, SJCIT
Introduction of the Resource Persons	Dr.S.Bhargavi Professor, Dept of ECE, SJCIT
Session 1	Prof.Prakasha G Registrar, SVCE, Bengaluru
Session 2	Prof.Niranjana C Assistant Professor, SVCE, Bengaluru
<b>LUNCH BREAK</b>	
Session 3	Prof.Lakshmi Manasa Assistant Professor, SVCE, Bengaluru
Vote of Thanks	Prof.Shwetha Assistant Professor, Dept of ECE, SJCIT

GLIMPSE OF EVENT PHOTOS:





*MA*  
26/06/2023  
**COORDINATOR**

*B. N. H. H. H.*  
26/06/2023  
**HOD**  
Prof. & Head  
Dept. of Electronics & Communication,  
S.J.C. Institute of Technology  
Chickballalur-562101.