

## REGISTRATION FORM

### Faculty Development Program on "Embedded C Basics Using 8051 Microcontroller"

Name : .....

Designation: .....

Department: .....

Institution : .....

Mobile: .....

IEEE membership ID no. (if member): .....

E-mail: .....

Signature of the  
Applicant

Signature of HOD  
with seal

Participants are informed to scan the duly filled form and send to the below mail id.

[sirmvitfdp.2023@gmail.com](mailto:sirmvitfdp.2023@gmail.com)

### CHIEF PATRONS

|                              |                             |
|------------------------------|-----------------------------|
| Dr. A. C. Chandrashekar Raju | President, Sri KET          |
| Sri K. V. Sekhar Raju        | Vice President, Sri KET     |
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| Sri G. Prabhakar Raju        | Academic Committee Chairman |

### ORGANISING CHAIR

|                    |           |
|--------------------|-----------|
| Prof. Rakesh S. G. | Principal |
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### CONVENER

|                   |                       |
|-------------------|-----------------------|
| Dr. V. G. Supriya | Professor & Head, ECE |
|-------------------|-----------------------|

### CHIEF-COORDINATORS

|                    |                     |
|--------------------|---------------------|
| Ms. Seema S.       | Assistant Professor |
| Ms. Swetha L.      | Assistant Professor |
| Ms. Sheetal Bagali | Assistant Professor |

### ORGANIZING COMMITTEE

|                         |                     |
|-------------------------|---------------------|
| Dr. R. Sundaraguru      | Professor           |
| Dr. Sasmita Mohapatra   | Associate Professor |
| Ms. Krishnapriya Sharma | Associate Professor |
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| Ms. K. N. Rajeswari     | Assistant Professor |
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| Ms. Santhoshini S.      | Assistant Professor |



**IEEE**  
BANGALORE SECTION

### Faculty Development Program on "Embedded C Basics Using 8051 Microcontroller"

**8<sup>th</sup> - 11<sup>th</sup> May 2023**

Jointly organized by Dept. of ECE,  
Sir MVIT IEEE Student Branch &  
Sir MVIT ISTE Student Chapter



SPONSORED BY

Sri Krishnadevaraya Educational Trust

**SIR M. VISVESVARAYA INSTITUTE OF  
TECHNOLOGY**

(An ISO 9001:2008 Certified Institution)  
International Airport Road, Krishnadevarayanagar,  
Hunasamaranahalli, Bengaluru-562 157  
Website: [www.sirmvit.edu](http://www.sirmvit.edu)

## ABOUT THE INSTITUTE

Sir M. Visvesvaraya Institute of Technology (Sir MVIT) is an Institute of repute in the state of Karnataka founded by Sri Krishnadevaraya Educational Trust (Sri KET) in 1986. The institute offers ten B.E. degree programs in Biotechnology, Civil, Mechanical, Electrical & Electronics, Electronics & Communication, Computer Science & Engg., Electronics & Telecommunication, Information Science, Artificial Intelligence & Machine Learning and IOT & Cyber Security and five Masters degree Programs in Biotechnology & Biochemical Engg., Computer Applications, Business Administration, Computer Integrated Manufacturing and Electronics. The Institute is affiliated to Visvesvaraya Technological University and approved by All India Council for Technical Education, New Delhi and is accredited by National Board of Accreditation, New Delhi. Sir MVIT is an ISO 9001:2008 Certified Institution. Sir MVIT is NAAC accredited with B++ Grade. All the departments are approved as recognized R & D centres by Visvesvaraya Technological University (VTU) to pursue Ph. D and M.Sc(Engg.) by Research .

## ABOUT THE DEPARTMENT

The Department of ECE offers one UG Programme and one PG programme. The Department aims at transforming the students into young engineers with sound technical leadership skills, knowledge and decision making ability. Department encourages students to actively participate in co-curricular and extra-curricular activities for their overall development. The Department has well qualified, experienced and dedicated faculty members who are providing excellent teaching & learning environment. The department has well equipped laboratory facilities and is recognized as R&D centre by VTU. Furthermore Texas Instruments sponsored innovative lab is also established. Department excels in academics by securing university ranks in UG and PG successively.

## ABOUT THE PROGRAM

The Faculty Development Program on “Embedded C Basics Using 8051 Microcontroller” is intended to make the participants to enhance their knowledge in Embedded C Programming using 8051 microcontroller.

The 8051 microcontroller units are widely used in embedded systems, aeronautics, space technology, transportation management systems, robotics, communication, automotive and in various other fields. The FDP aims to provide practical exposure and equip the faculty members in developing Embedded C programs for 8051 microcontroller using Keil  $\mu$ vision IDE .

**This FDP covers VTU prescribed Ability Enhancement Course - “Embedded C Basics” for 4<sup>th</sup> semester ECE/ETE students.**

Keil  $\mu$ vision IDE is a easy-to-use powerful run time environment combining project management, build facilities, source code editing, project debugging in a single environment which can accelerate embedded software development.

## PROGRAM OBJECTIVES

- Understand the basics of Embedded C programming.
- Learn the design aspects of I/O port programming.
- Develop, test and understand experimental procedures on 8051 microcontroller.
- Analyze the programs under different use cases.

## PRE-REQUISITES (Desirable)

It is desirable that the participants have basic knowledge of 8051 microcontroller architecture.

## CERTIFICATE

*A Certificate of participation will be issued on completion of the program*

## REGISTRATION DETAILS

### REGISTRATION FEE:-

Rs : 300/-

### MODE OF PAYMENT:

GOOGLE PAY to

Ms. Sheetal Bagali: +91-9986853709

### FOR REGISTRATION CONTACT :

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### FOR TRANSPORTATION CONTACT:

Mr. Nataraja R.                      9916698805

Mr. G. Shashibhushan              9945867762

