Registration Certificate

1. Name: _____
   (in block letters)
2. Organization/ Institution: _____
   _____
3. Category: Faculty / Research Scholar / Student
4. Gender: _____
5. Address for communication: _____
   _____
   _____
   _____
6. Phone: _____
7. Email: _____
8 Specialization: _____

Kindly register "One Week Blended mode(Online/offline) Faculty Development Programme on ARDUINO".

Signature of the Applicant

Place:

Date:

REGISTRATION LINK

https://tinyurl.com/ACSCE-One-Week-on-ARDUINO

Important Dates

Last date of Registration

21-09-2022

Intimation of selection by e-mail

21-09-2022

Address for Correspondence

Prof. Aswini. S
Assistant Professor,CSE

Prof. Shruthi A
Assistant Professor,CSE

Prof. Ganga B M
Assistant Professor,CSE

Email : research@acsce.edu.in
Mobile : 8884000900

Chief Patrons

Dr. A. C. Shanmugam,
B.A LLB,FIMSA, FRCPS(Glasgow, UK),
Chairman, RRGI

Er. A. C. S. Arun Kumar,
B.Tech (Hons), LMISTE., MIET, (UK),LMCSI,
Vice-Chairman, RRGI

Patrons

Dr. S. Vijayanand, M.Tech., Ph.D,
Executive Director,
RRGI

Sri C.N. Seetharam, IAS (Rtd),
Chief Executive Officer,
RRGI

Dr. S. Jeyabalan, Ph.D,
Special Officer,
RRGI

Advisory Committee

Dr. M.S Murali,
Principal, ACSCE

Dr. T Senthil Kumaran
Dean, R & I Centre

Dr. Mareeswari V,
HOD, CSE Engg., ACSCE.

Dr. C.S.Pillai,
Professor

Coordinator

Prof. Aswini. S,
Assistant Professor,CSE

Prof. Shruthi A
Assistant Professor,CSE

Prof. Ganga B M,
Assistant Professor,CSE

Mr. Krishna Kumar A,
Assistant Professor,CSE

Mrs. Kavita K Patil,
Assistant Professor,CSE

Mrs. Sandhayrani H G
Assistant Professor,CSE

Prof. Sunita Chalageri
Assistant Professor,CSE

Prof Mrs. Sushma T,
Assistant Professor,CSE

Prof. Mrs. Vinutha K
Assistant Professor,CSE

Prof. Mr. Venkatesh Kumar
Assistant Professor,CSE

ACS COLLEGE OF ENGINEERING

#207, Kambipura, Mysore Road, Bengaluru-74

Approved by AICTE, New Delhi, Affiliated to VTU, Belagavi and Approved by Govt. of Karnataka

Website: www.acsce.edu.in

One Week Blended mode(Online/offline)

Faculty Development Programme on ARDUINO

23rd to 29th September 2022

Organized By

Department of

COMPUTER SCIENCE AND ENGG.

In association with

Spoken Tutorial Project
Undertaken by IIT-Bombay
Initiative of National Mission on Education through ICT
MHRD, Government of India

ENTHU TECH

About the Institute

ACS College of Engineering (ACSCE) , established in the year 2009 under Moogambigai Charitable and Educational trust is recognized by AICTE, New Delhi, Government of Karnataka and is affiliated to Visvesvaraya Technological University (VTU), Belgavi, Karnataka. The institute is accredited by NBA, NAAC, and HLACT. The institute offers Seven UG courses in Computer Science and Engineering, Aeronautical Engineering, Aerospace Engineering, Bio medical Engineering, Civil Engineering, Electronics and Communication Engineering, Mechanical Engineering, PG courses and Research Centers. All the departments have well qualified staff and well equipped laboratories, library, computing and sports facilities along with other amenities. The college is located at a distance of 17 kms from Bangalore City Railway Station on Mysore road.

About the Department

The department was established in the year 2009 with an intake of 180 students. It has well qualified and experienced Teaching and Supporting Staff. Our department is having total area of -- 1994 sq meters. The department has spacious classrooms and a well-equipped computer labs with 220 systems, 2 servers all in a networked environment with un-interrupted power supply. Our Department is having smart class room, seminar Hall, Departmental Library, R&D, Language Lab. The institution offers Wi-Fi enabled high-speed Internet (100 Mbps) facility. The department is NBA accredited and NAAC accredited with 'A 'Grade.

About the FDP

Arduino is an open-source electronics platform used for building electronics projects. Arduino consists of both a physicalprogrammable circuit board or microcontrollerand a software IDE (Integrated Development Environment) that runs on the computer.It is used to write and upload computer code to the physical board. This course will be helpful to build small Mechatronics, Robotics and electronics component. Spoken Tutorial FDP will cover, basic and intermediate level of course for Arduino with 100% active learning, so, teachers who undergo this training will be able to start using Arduino immediately after the workshop.

Program Contents

Following topics will be covered for Teachers in this workshop:

- Overview of Arduino and basic operations
- Assembly programming through Arduino
- Seven segment display
- Arduino with Tricolor LED and Push button
- Arduino with LCD
- Display counter using Arduino
- Seven Segment Display
- Pulse Width Modulation
- Analog to Digital Conversion
- Wireless Connectivity to Arduino
- Digital logic design with Arduino
- AVR-GCC programming through Arduino
- Interfacing LCD through AVR-GCC programming
- Introduction to IOT
- Sending data to the cloud using IOT devices

Course Material

- Content of the courses will be shared via link after registration. The course can be downloaded and can be completed in self paced mode

Certification

- E-certificate will be provided to all the registered participants after completing the course and taking the online test.

Eligibility

- This program is open to Faculty members/Research Scholars/Industry person.

Registration

- No Registration fees

please visit the following link:

https://spoken-tutorial.org/tutorial-search/?search_foss=Arduino&search_language=English

Program Schedule

23-SEP-2022(FRIDAY) - OFFLINE

Registration & Hands on Training in our campus

24-SEP-2022(SATURDAY) - ONLINE

Overview of Arduino
Electronic components and connections
Introduction to Arduino
Arduino components and IDE
First Arduino Program

25-SEP-2022(SUNDAY) - ONLINE

Arduino with Tricolor LED and Push button
Arduino with LCD
Display counter using Arduino
Seven Segment Display

26-SEP-2022(MONDAY) - ONLINE

Pulse Width Modulation
Analog to Digital Conversion
Wireless Connectivity to Arduino
Introduction to IoT
Sending data to the cloud using IoT devices

27-SEP-2022(TUESDAY) - ONLINE

Assembly of Robot
Robot Control using Bluetooth
Assembly programming through Arduino

28-SEP-2022(WEDNESDAY) - ONLINE

Digital Logic Design with Arduino
AVR-GCC programming through Arduino

29-SEP-2022(THURSDAY) - ONLINE

Interfacing LCD through AVR-GCC programming
Mixing Assembly and C programming
Arduino Programming with Python