

**Event Category : Student Development Program**

**Event Name:       “Application Development using  
ARM and ATmega  
Microcontrollers”**

**Date:               06<sup>th</sup> August 2021.**



National Education Society®

**JNN College of Engineering, Shivamogga.**

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accredited by NBA: 1.7.2019 to 30.6.2022,

Recognized by Govt. of Karnataka and Affiliated to VTU, Belagavi)

**Department of Information Science and Engineering  
in association with Computer Society of India.**



You are all cordially invited for the

**One Day SDP**

On

**“Application development using ARM and ATmega**

**Microcontrollers”**

**06<sup>th</sup> August 2021 from 10:30AM**

**Presided By**

**Dr. Manjunatha P**

Principal, JNNCE, Shivamogga

**Presence**

**Dr. Rajath Hegde**

Infrastructure Dean

JNNCE, Shivamogga

**Dr. Sanjeev Kunte R**

HOD, Dept. of ISE, JNNCE, Shivamogga

**Resource Person**

**Mr. Manjunatha Kamath,**

Assistant Professor, Yenepoya

Institute of Technology, Moodabidri

**Date: 06-08-2021**

**HOD and Staff Members of ISE**





NES ®, Shivamogga

# JNN College of Engineering, Shivamogga

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## Department of Information Science & Engineering

(Accredited by National Board of Accreditation)



### Application development using ARM and ATmega Microcontrollers

**One Day SDP On**

**Date: 06<sup>th</sup> August 2021**

**Time: 10:30AM**

Organised by

**Department of Information Science & Engineering**

In Association with

**Computer Society of India**



#### Coordinator

G V Sowmya & Chethan G S

Assistant Professors

Dept. of IS&E, JNNCE, Shivamogga

Contact: 9886174174

9620437666

#### Resource Person

Mr. Manjunatha Kamath

Assistant Professor,

Yenepoya Institute of Technology,

Moodabidri,

Mangalore, Karnataka



Dr. Sanjeev Kunte R

HOD, ISE

Dr. Rajath Hegde

Infrastructure Dean

Dr. Manjunatha P

Principal, JNNCE





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**Department of Information Science and Engineering**

Date: 05-08-2021

To,

The Principal,  
JNN College of Engineering,  
Shivamogga

Respected Sir,

**Sub:** Requisition for permission to Conduct one day SDP

We wish to inform you that Department of Information Science and Engineering is planning to conduct online one day SDP on **“Application development using ARM and ATmega Microcontrollers ”** on 06/08/2021 from 10.30AM.

Mr. Manjunath Kamath, Assistant Professor, Yenepoya Institute of Technology, Moodabidri is invited as a resource person to this SDP. We request you to kindly permit us to conduct the above.SDP

Thanking you,

Yours Sincerely,

HOD, Dept of ISE

Co-ordinators:

G V Sowmya

Chethan G S

Professor and Head  
Dept. of Information Science & Engg.  
J.N.N. College of Engineering  
SHIVAMOGGA-577 201



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### Department of Information Science and Engineering

- Presence:Dr.Rajath Hegde, Professor & Dean Infrastructure, JNNCE, Shivamogga
- Presence: Dr. Sanjeev Kunte R, HOD, ISE department, Shivamogga

On 6<sup>th</sup> August, Friday function started at 10.30 am, Mr. Chethan. G. S, Asst. Prof., ISE department given welcome address to all dignitaries and participants, followed by given a note on about the workshop, then Mrs. G V Sowmya, Asst. Prof., ISE department introduced the resource person Mr.Manjunatha Kamath, Assistant Professor, Yenepoya Institute of Technology, Moodbidiri for this SDP. After the introduction speech, Dr. Sanjeev Kunte R, HOD, ISE department addressed the guest and participants and this is followed by, Dr. P Manjunatha, Principal, JNNCE given the presidential address, finally Mrs. G V Sowmya, Asst. Prof., ISE department given the vote of thanks.

A total of 110 attended for this SDP. The participants for this SDP were 4th semester students, IS&E department, JNNCE. Demo is given using Google meeting application.





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**Department of Information Science and Engineering**

**STUDENT DEVELOPMENT PROGRAM ON APPLICATION DEVELOPMENT USING  
ARM AND ATmega MICROCONTROLLERS**



Department of IS & E, JNNCE organized one day STD on “Application development using ARM and ATmega Microcontrollers” on 6<sup>th</sup> August 2020.

Python is an open source, high-level and powerful programming language that is well suited for scientific computing. The aim of the SDP was to provide hands on training to the students on the use and benefits of ARM and ATmega Microcontroller using Keil IDE software and the following aspects of ARM and ATmega Microcontrollers were covered:

- Introduction to ARM LPC 2148 and Aurdino ATmega Microcontroller.
- Details of ARM Development Board and Aurdino development Board IDE.
- Robotics ARM application.
- Demo on Interfacing stepper motor.
- Demo on Smart Gardening application development.

SDP inaugurated on 6<sup>th</sup> June, Friday, at 10.30 am, through online platform Google meet application in presence of following dignitaries.

- Presided by: Dr. P. Manjunatha,, Principal, JNNCE, Shivamogga
- Resource Person: Mr.Manjunatha Kamath, Assistant Professor, Yenepoya Institute of Technology, Moodbidri.





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### Department of Information Science and Engineering

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#### Feedback Analysis

On

#### Application Development Using ARM and ATmega Microcontrollers

SDP conducted was very helpful to the students to gain the practical knowledge on ARM and ATmega Microcontrollers. Students have given the positive opinion regarding organization of the SDP.

The Content and delivery of the SDP reached to most of the student's expectations. Got the good response from the students regarding talk enhanced technical knowledge in the specified area and also it helped the students to analyze the problem that may arise improved design and development ability.

In SDP real world issues were discussed which was liked by most of students. Newer tools in the industry were demonstrated which helped students to implement the lab programs. Students got interest from this SDP towards implementing the projects on IOT. Finally students also conveyed that they need similar kinds of SDP's with hands on sessions.