



S J P N Trust's

Hirasugar Institute of Technology, Nidasoshi.*Inculcating Values, Promoting Prosperity*

Approved by AICTE, New Delhi, Permanently Affiliated to VTU, Belagavi

Recognized under 2(f) & 12B of UGC Act, 1956

Accredited at 'A' Grade by NAAC & Programmes Accredited by NBA:CSE & ECE

ECE Dept.

Workshop

**Basic Arduino
Programming****2022-23(Odd Sem)****Activity Report**

Name of the Activity	Three days hands on workshop on “ Basic Arduino Programming ”
Type of Activity (cultural/curricular/co-curricular)	Technical
Date of Activity held	17/01/2023 to 19/01/2023
Time	9.30 am to 5.00 pm
Resource Person/Invitee:	Shri. Vinayak R. Dhogadi, Dr. R. R. Maggavi, Prof. S. S. Kamate, Prof. D. B. Madihalli, Prof. D. M. Kumbhar & Prof. P. V. Patil
Professional Details of Resource Person:	Co-founder aMSA embedded solutions, Hubballi
Year / Class:	Pre-final year Students
No. of students	46
No. of Staff:	5
Activity In charge:	Dr. R. R. Maggavi Prof. S. S. Kamate Prof. D. B. Madihalli.

Description of Activity:

A three days hands on workshop “**Basic Arduino Programming**” was organized by electronics and communication engineering department for 5th Semester ECE students from 17/01/2023 to 19/01/2023. The workshop was organized in association with ECSA and IIIC of Hirasugar Institute of Technology, Nidasoshi. Resource persons for the workshop were ECE dept. faculty along with industry expert.

Workshop began with inaugural function at 9.30am. Chief guest for the function was Shri Vinayak R. Dhongadi, cofounder aMSa Embedded Solutions Hubballi, gave introduction of Arduino, need and applications.

Dr. R. R. Maggavi covered basic programming with LED, LCD display, temperature sensor and RTC related experiments on arduino trainer kit. Also covered IoT application using Blynk cloud and Blynk app.

Buzzer, ultrasonic sensor, relay, and gas sensor programming were taught to the students by Prof. S. S. Kamate and Prof. D. B. Madihalli.

Seven segment, servo motor, push button related programming were covered by Prof. D. M



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Kumbhar and Prof. P. V. Patil.

Finally, the workshop was concluded with valedictory function. The workshop was successful in imparting knowledge of basic Arduino programming to the students.

CO No.	CO Defined	RBT	Relevance POs and PSOs
1	To understand applications and programming with Arduino IDE.	L2	PO1, PO2, PO5, PO10

Event Photographs:



Introductory session by Shri. Vinayak R. Dhongadi.



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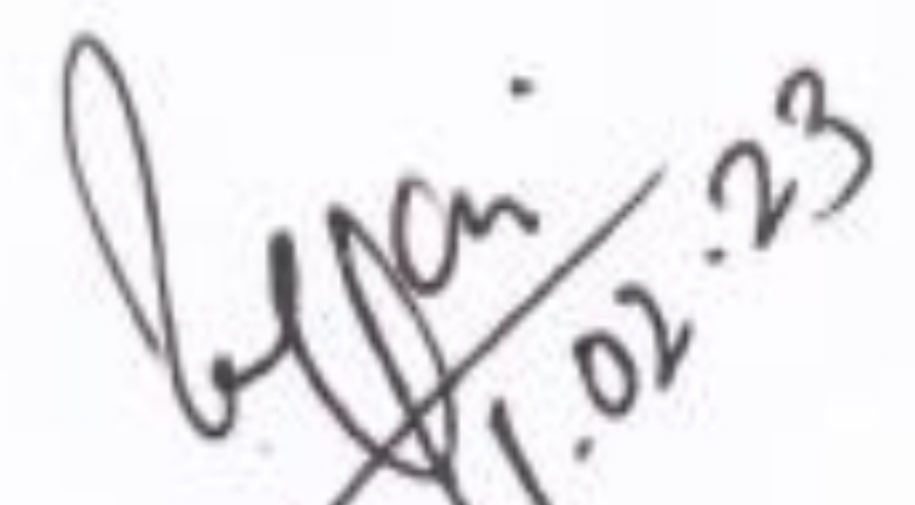
Experimenting during hands on session



Dr. R. R. Maggavi demonstrating IoT application using Blynk cloud & Blynk app.


Coordinators


IIC Coordinator


HOD
11.02.23