JB INSTITUTE OF ENGINEERING & TECHNOLOGY

UGC Autonomous

Accredited by NAAC & NBA, Approved by AICTE & Permanently Affiliated to JNTUH

ARDUINO WORKSHOP

REPORT

21th - 27th October 2021

Resource Person
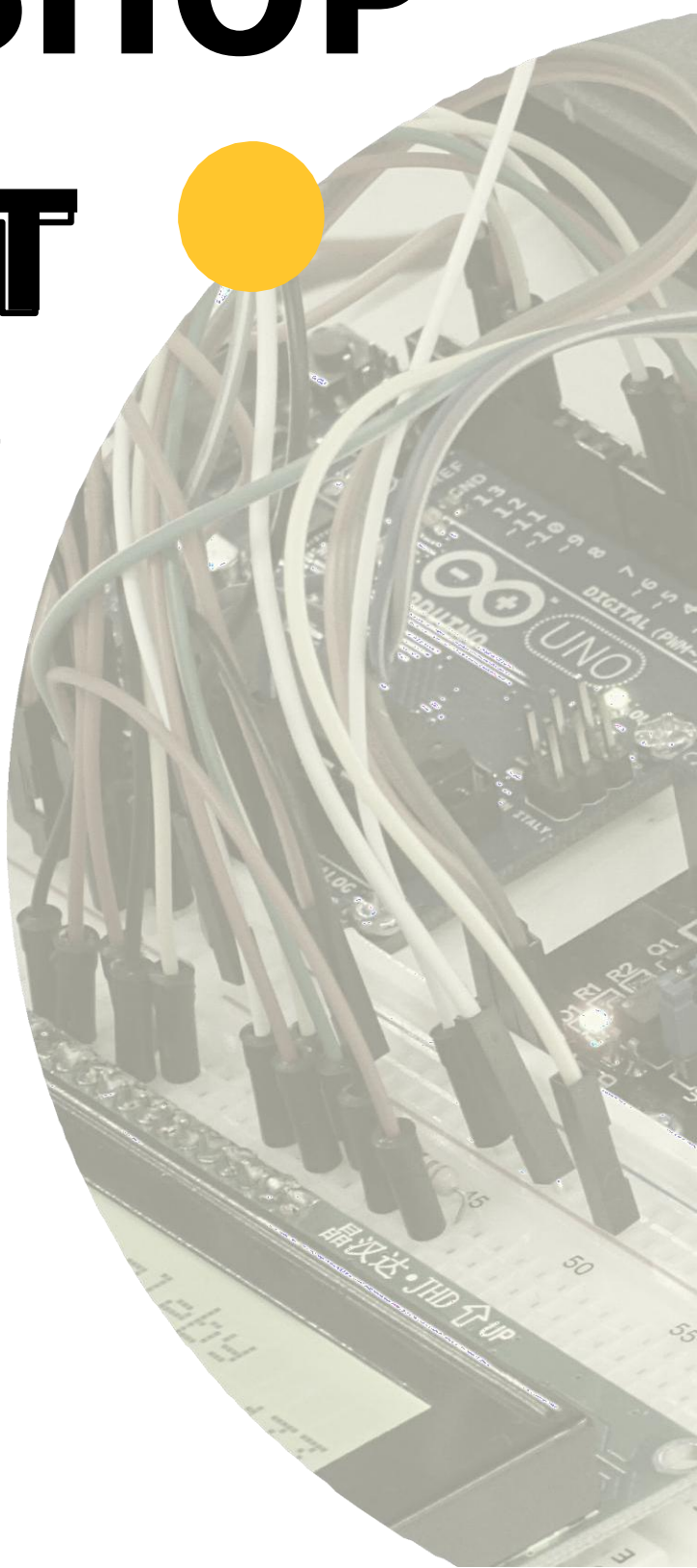**K Pranay Navyakranth**
Asst. Prof, MRIET

ORGNISED BY

IEEE SB,JBIET

IEEE STUDENTS
Department of ECE JBIET

J.B. INSTITUTE OF ENGINEERING & TECHNOLOGY

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Department of Electronics and Communication Engineering

Circular

This is to inform all B.Tech students that, one week workshop on "ARDUINO PROTOTYPING" is scheduled from 21-10-2021 to 27-10-2021.

Towheed.S

HOD ECE

Towheed Sultana

Copy to

1. Coordinators
2. Class In charges

RESOURCE PERSON

MR .K PRANAY NAVYAKRANTH
ASSISTANT PROFESSOR, MRIET

SCHEDULE

21-10-2021
SESSION 1 - OPENING CEREMONY
SESSION 2 - 13.30 - 15.50

22-10-2021
SESSION 3 - 10.00 - 12.10
SESSION 4 - 13.30 - 15.50

23-10-2021
SESSION 5 - 10.00 - 12.10
SESSION 6 - 13.30 - 15.50

25-10-2021
SESSION 7 - 10.00 - 12.10
SESSION 8 - 13.30 - 15.50

26-10-2021
SESSION 9 - 10.00 - 12.10
SESSION 10 - 13.30 - 15.50

27-10-2021
SESSION 11 - 10.00 - 12.10
SESSION 12 - CLOSING CEREMONY

FOUNDER
Late Shri. J Bhaskar Rao
Chairman, JBES

CHIEF PATRON
Sri. J V Krishna Rao, MBA HR,
USA Secretary JBES

PATRONS
Major General Professor
DR S S Dasaka, SM,VSM (RETD)
CEO, JBGEI

DR. P. C. KrishnamacharyPrincipal

CONVENER
DR. Towheed Sultana,HOD, ECE

COORDINATORS
K. SNEHALATHA

B. SOWMYA

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ENGINEERING &
TECHNOLOGY
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7 DAY
WORKSHOP ON
"ARDUINO PROTOTYPING"

21-10-2021 - 27-10-2021

VENUE
MNR AUDITORIUM

· ·

Dept of Electronics and
CommunicationEngineering

ORGANIZED BY
IEEE Students

JB
IEEE SB,JBIET

CLIQUE

ABOUT JBIET

As one of the top ten most preferred institutions in Telangana, JBIET continues to strive to impart technical (engineering) and professional education of very high standards.

The aim of JBIET is to mould young learners into globally competitive professionals who are professionally deft, intellectually adept and socially responsible.

ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering was established in the year 1998 with an intake of 60 in B.Tech. The intake was increased to 90 in the year 2000 and 120 in the year 2004.

The M. Tech program in VLSI System Design was introduced in 2005 with an intake of 18 and it was raised to 24 in 2014. The B.Tech. Program was accredited by NBA in 2006.

The Department is provided with state-of-the-art technological tools incorporated in all the existing laboratories. For the last ten years, the students of ECE, who walked out of the portals of the institute successfully, holding their degrees, were immediately inducted into the MNCs of high reputation in India & abroad.

DEPARTMENT-VISION AND MISSION

VISION:
To be a guiding force enabling multifarious applications in Electronics and Communications Engineering, promote innovative research in the latest technologies to meet societal needs.

MISSION:
M1: To **provide** and strengthen core competencies among the students through expert training and industryinteraction.

M2: To **promote** advanced designing and modeling skills to sustain technical development and lifelong learning in ECE.

M3: To **promote** social responsibility and ethical values, within and outside the department.

Workshop - Objectives
Provide Foundation on Arduino Prototyping
Software - Hardware Interfacing

Focus Areas

- Product Designing Prototyping and TestingEmbedded systems
- Microprocessor& Microcontrolles
- Senors Interfacy
- IOT

Preparing for the Workshop

- Although all material will be explained starting from basics, if possible, participants can go through baisc of Subject - MPMC, EDC.
- Pre- Installing of Arduino IDE is Advised on Personal Systems.

Kit Provided

- 4 member Team - 4000/-
- 2 Member Team - 3700/-

Important Dates
Last date of Registration
- 10thOctober 2021
Last date for Fee payment
- 17thOctober 2021

Registration Link
https://forms.gle/Xq38MzZJw
kGxjRtR6

Payment Link
https://forms.gle/rpc7Ext3b2
aH815HA

IEEE SUPPORT TEAM

- SREEJA PATEL
- SAISRIKAR KANDUKURI
- HARSHITH KOUNDINYA
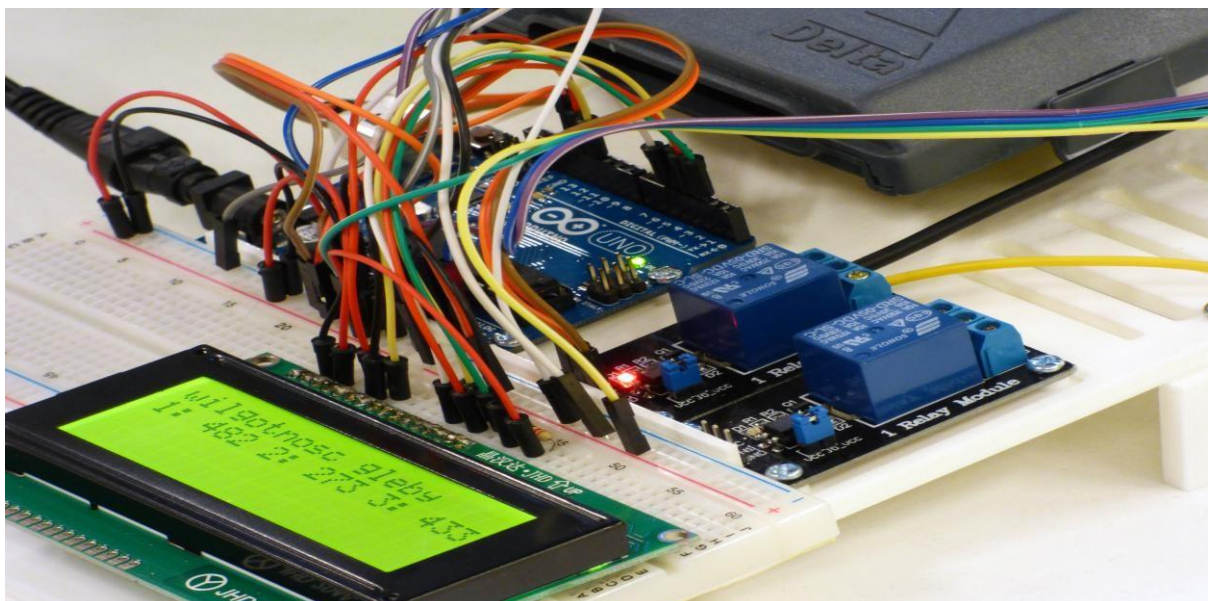- SURAIYA SHABNAM
- MADINENI NAVYA

Report on ''ARDUINO WORKSHOP''

A One Week - Workshop on Arduino Prototyping has been Organized by the Department of Electronics and Communication Engineering, JBIET from 21th to 27th October 2021, with a motive to Strengthen core competencies among the students through expert training.

In this One Week Duration students have worked with Arduino. Different concepts were introduced including working with various types of hardware such as sensors, displays, and general electronics components, and the kit.

Course Goals achieved

- Understand what an Arduino is and how it works

- Learn how to use an Arduino safely

- Program your Arduino using code that you've written in the Arduino IDE (Integrated Development Environment)

- Learn programming concepts using C and C++ along with Arduino specific programming

- Understand best practice concepts for programming and prototyping

- Use a wide variety of hardware and components and prototype your projects using a breadboard

- Build own innovative project with Arduino

PHOTOGRAPHS

STUDENT FEEDBACK

Instructor: Mr.K Pranay Navyakranth Date: June 15, 2022

The instructor

Had thorough knowledge about this subject

Managed students participation well

Explained concepts well.

Encouraged questions and was responsive to them.

Clarification of doubts during practice sessions.

Made overall experience a positive one.

Advised students of the courses to be taken.

Recommended the self-paced offering that Compliments this class.

Gave ideas for further Mini/ Major Projects