



**P.B.Siddhartha College of Arts & Science :: Department of Computer Science
 “Workshop on IOT” in association with Alumni, P.B.Siddhartha College of Arts & Science
 20th June 2022 to 22nd June for M.Sc.(Computer Science), 2020-2022 Batch**

Objective: To train the students to develop Prototypes and Mini Projects using IoT.

The Department of Computer Science, P.B.Siddhartha College of Arts & Science had organized “Workshop on IoT” in association with Alumni, P.B.Siddhartha College of Arts & Science from 20th June 2022 to 22nd June for 2020-2022 batch students of M.Sc.(Computer Science). Mr. D.Srinivasa Reddy, Assistant Professor, Department of Electronics, P.B.Siddhartha College of Arts & Science was the resource person.

Number of Students Attended: 30

Outcome of Seminar:

- Students are able to learn about Arduino IDE and developed Prototypes.
- Topics covered:

Day	Topics Covered
Day 1	Introduction to Embedded Systems, Arduino and Arduino in IoT.
Day 2	Arduino Interfaces, LED Blink, Control LED status on Button State.
	Display <i>Serial Data</i> on <i>Serial Monitor</i> using <i>Serial Communication</i> . LED brightness control using <i>PWM Signal</i> .
Day 3	Taking <i>LDR readings</i> using <i>Analog Read Function</i> .
	Control direction of <i>Servo Motor</i> MG-90 from 0° to 180°.
	Control direction of <i>Servo Motor</i> based on LDR values.
	Interface <i>HCSR04 Ultrasonic Sensor</i> to Arduino and find the distance of the object. <i>Smart Dust Bin</i> using <i>Ultrasonic Sensor</i> and <i>Servo Motor</i> .

Resource Person
Mr. D.SrinivasaReddy, Assistant Professor, Department of Electronics, P.B.Siddhartha College of Art & Science, Vijayawada. Mobile: 8125555601 Email: dsrinivasareddy@pbsiddhartha.ac.in

Event Coordinators	
Mr. V.V.Ramana	Dr.T.S.Ravi Kiran

P.B Siddhartha College of Arts & Science
 Vijayawada, Andhra Pradesh
Autonomous Since 1988
 Accredited at 'A+' by NAAC (Cycle III)
 ISO 9001:2015 Certified
 College with Potential for Excellence (Awarded by UGC)

**Workshop on Internet of Things
 Arduino**
 For Post Graduate Computer Science Students in collaboration
 with
Alumni Association of P.B.Siddhartha College of Arts & Science
 20th June 2022 to 22nd June 2022, 2:30 P.M to 5:00 P.M

Resource Person:
 Mr. D. Srinivas Reddy
 Assistant Professor,
 Dept. of Electronics,
 P.B.Siddhartha College of Arts & Science,
 Vijayawada - 520 010.



Coordinator:
 Venkata Ramana Vadlamudi,
 Systems Analyst
 Department of Computer Science,
 P.B.Siddhartha College of Arts & Science
 e-mail: vvramana@pbsiddhartha.ac.in

Organizing Secretary:
 Dr. T.S.Ravi Kiran
 Head, Department of Computer Science,
 P.B.Siddhartha College of Arts & Science,
 Mobile: 944176980
 E-mail: tsravikiran@pbsiddhartha.ac.in

Organized by:
 Department of Computer Science, P.B.Siddhartha College of Arts & Science
 in Association with
 Alumni Association of P.B.Siddhartha College of Arts & Science



Vijayawada, Andhra Pradesh, India
 Room No.228, P.B. Siddhartha college campus, Mogalrajapuram,
 Siddhartha Nagar, Vijayawada, Andhra Pradesh 520010, India
 Lat 16.50567°
 Long 80.648178°
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