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Mannampandal, Mayiladuthurai, Mayiladuthurai District, Tamilnadu-609305



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



Report on

2 Days - WORKOP ON



'INTERNET OF THINGS (IOT) AND ITS APPLICATIONS WITH ARDUINO PROGRAMMING'

Date: **23/02/2024 – 24/02/2024**

The two-day workshop on "**Internet of Things (IoT) and its Applications with Arduino Programming**" was conducted successfully, providing valuable insights into the emerging field of IoT. The event commenced with a warm welcome from **GUNA DHIVYA VARSHINI V, III CSE**, setting an encouraging tone for the gathering. **Dr. K. Krishnakumari**, Assoc. Prof/CSE introduced the esteemed resource person, **Mr. A. P. Prabakaran**, M.E., (Ph.D.), from Venus Electronics, Thiruvarur. **Dr. S. Padmapriya**, HoD/CSE extending gratitude to Mr. Prabakaran for his valuable contribution. Dr. S. Padmapriya honored the resource person with a memento as a token of appreciation for his insightful sessions.

Mr. Prabakaran delivered an enlightening lecture, sharing expertise on IoT and practical aspects of Arduino programming. Participants engaged in hands-on sessions, gaining practical experience in implementing IoT concepts. Attendees actively participated in discussions, clarifying doubts and deepening their understanding of IoT applications. The workshop proved to be a valuable platform for knowledge exchange and skill enhancement in the realms of IoT and Arduino programming. Participants left with enriched insights and practical knowledge, ready to explore the vast possibilities of IoT in their respective domains. Practical examples were demonstrated to illustrate the application of

these concepts, enhancing participants' comprehension. Mr. A. P. Prabakaran, expertly guided participants through the practical aspects of embedded applications and IoT using specific tools. The following tools were covered during the sessions:

Mr. Prabakaran demonstrated the usage of Tinkercad for hands-on simulations and prototyping in embedded applications. Participants learned to create virtual circuits and explore the functionalities of various electronic components within the Tinkercad environment. The workshop delved into the application of Blynk for handling embedded applications and IoT projects. Attendees gained insights into using Blynk for remote monitoring, control, and data visualization in IoT applications.

The inclusion of these tools enhanced the practical understanding of participants, enabling them to apply the learned concepts in real-world scenarios. Overall, the workshop provided a comprehensive learning experience covering both theoretical concepts and practical applications using Tinkercad and Blynk.

Ms. **Abarna S** from III CSE proposed the vote of thanks and Mr. HARI KARTHIK V acted as anchor for the 2 days workshop.

Photos



Honoring the resource Person



Ms. GUNA DHIVYA VARSHINI V, Welcoming the resource Person



Participants during the Workshop



During the Feedback session



Abarna III CSE - Vote of thanks