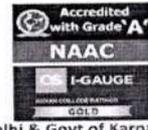
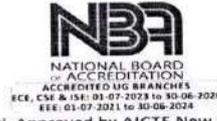




**GSSSS** | GEETHA SHISHU  
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**INSTITUTE OF ENGINEERING  
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**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

**Press Report on  
Three days "IoT Innovate-a-Thon" held at GSSSIETW, Mysuru**



**Glimpses of Valedictory Program conducted on 10<sup>th</sup> July 2024.**

The **IoT Innovate-a-Thon**, a 3-day hackathon, was organized by the Dept. of Electronics and Communication Engineering under GSSSIETW IEEE CAS Society Student Chapter from **8<sup>th</sup> to 10<sup>th</sup> July 2024**. The event was open for registration to 4th-semester ECE and EEE GSSSIETW students. A total of 26 teams from both departments registered for the event. A preliminary screening test was held on 29<sup>th</sup> June 2024 to shortlist the participants for the hackathon. Based on performance in this screening test, 11 teams were selected for the main hackathon event. Which was scheduled from 8<sup>th</sup> to 10<sup>th</sup> July 2024.

**Day 1:** The first day focused on introducing participants to IoT and various types of Microcontroller boards. This session provided a comprehensive overview of IoT, its features, and real-time applications. The forenoon session was handled by resource persons

Mrs. Sharanya A R and Dr. Arpitha Shankar S I, Assistant Professors in the ECE Department, GSSSIETW. In the afternoon, a hands-on session was conducted, covering various sensors such as touch sensors, soil moisture sensors, alarm sensors, and IR sensors. Participants also learned to program Arduino and ESP32 in Arduino IDE, concluding the first day. The afternoon session was handled by resource persons Mr. Keerthi Kumar and Mr. Nagesh M S, Assistant Professors in the ECE Department, GSSSIETW.

**Day 2:** The second day began with a detailed explanation of the key features of each type of sensors used as smart objects. Also included session on interface of sensors with Arduino boards. Participants then installed software like Azure, AWS, Thingspeak, and Blink-IoT. The forenoon session was handled by resource persons Dr. Shyamala C and Dr. Sushma S J, Associate Professors, along with Smt. Padma R, Assistant Professor in the ECE Department, GSSSIETW. In the afternoon, participants were engaged in a hands-on session on operating relay motors with ESP32, which included discussions on applications, connections, and coding in ESP32. The afternoon session was handled by resource persons Mr. Keerthi Kumar and Mr. Nagesh M S, Assistant Professors in the ECE Department, GSSSIETW.

**Day 3:** The final day was the Hackathon Day with the theme **“Hackathon - Transforming Ideas into Reality.”** Teams were given a common problem statement based on the topics covered in the first two days. Participants worked diligently to develop appropriate solutions to the problem statement. After completing their tasks, they were evaluated by Jury Members and the results were announced during the Valedictory Program.



Glimpses of Hackathon event conducted on 10<sup>th</sup> July 2024.

The hackathon event concluded with a Valedictory function. The chief guest of the program was Sri Chandrashekaraiyah B R, Delivery Head, Digital Healthcare, Medical Devices, Life Sciences, L&T Technology Services Limited, Mysuru. In his talk, he emphasized the importance of mentors and parents in building a students' career and discussed how students can utilize their knowledge effectively. He advised students on the beneficial use of social media, such as LinkedIn, and the importance of regularly visiting company websites to update their knowledge in their respective fields. He also gave examples of IoT applications like smart lighting, smart badges for kids, and 5G remote surgeries. He highlighted the critical challenges of security and data privacy in the IoT field.

Following the address by chief guest's, prizes were distributed to the winners and runners-up along with the mentors who assisted in the hackathon event. Dr. Shivakumar M, Principal, GSSSIETW, emphasized the importance of calibration for display devices in any product and congratulated all the winners and participants of the Hackathon. He stated that such platforms help students to innovate & think out of the box, which is beneficial for attending placements and becoming entrepreneurs. He also suggested conducting more hackathons in the fields of healthcare and agriculture to provide solutions to societal problems, as GSSSIETW has an incubation centre. Overall, the 3-day hackathon provided a valuable and enjoyable learning experience for all participants. The program ended with a group photo and a vote of thanks.

Smt. Vanaja B Pandit, Hon.Secretary, GSSS(R), Sri Bharath R K, Member & CEO GSSS(R) and Smt. Anupama B Pandit, Board member and AO, GSSS(R) congratulated all the participants and ECE department for the successful conduction of **IoT Innovate-a-Thon**, a 3-day Hackathon.

*Pandit*  
13/07/2024

*Dr. Shivakumar*  
Principal