अटल बिहारी वाजपेयी विश्वविद्यालय,बिलासपुर छत्तीसगढ़
Atal Bihari Vajpayee Vishwavidyalaya , Bilaspur Chhattisgarh

A Report of

One Day Workshop

on

Hands on with IoT

Organized by

Department of Computer Science and Application

Atal Bihari Vajpayee Vishwavidyalaya Bilaspur (C.G.)

Date: 08 May, 2024

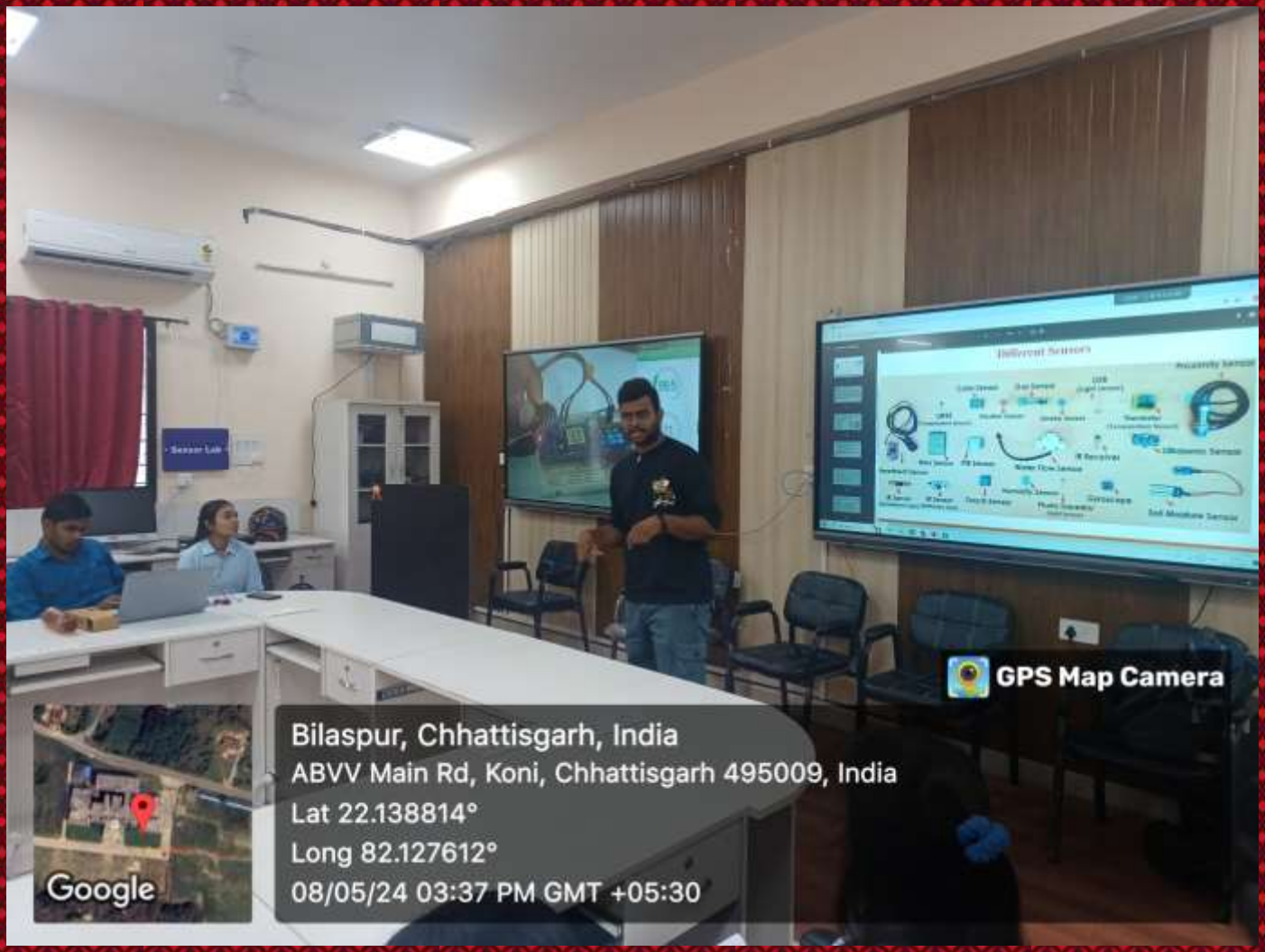
The Department of Computer Science and Applications organized a one-day workshop on "Hands-On with Internet of Things (IoT)" aimed at sensitizing students of B.Sc (Hons) Computer Science 6th semester about sensors and IoT technology. The primary objective was to equip students with the knowledge and skills necessary to develop IoT-based minor projects The workshop commenced with an address by Dr. H.S. Hota, Head of the department, who emphasized the importance of understanding the objectives of project development. He encouraged students to conceptualize competitive and unique projects capable of solving real-world problems using IoT technology. Mr. Prakash Tripathi, Assistant Professor of Computer Science, elucidated the fundamentals of IoT and its applications. He provided insights into the vast potential of IoT in various domains, motivating students to explore its possibilities in their projects.

Senior students from the PG IV semester of the department: Mr. Ujjawal Matolia, Mr. Shiva and Mr. Om Prakash conducted demonstrations showcasing various sensors and discussed individual student projects in detail. They highlighted the significance of incorporating multiple sensors to enhance project functionality and effectiveness. Additionally, they provided guidance on utilizing Arduino and ESP microcontrolles effectively in project development.

The workshop saw active participation from all B.Sc. (Hons) Computer Science 6th semester students. Many students enthusiastically engaged in discussions and posed insightful questions regarding optimizing their projects for competitiveness. The interactive nature of the session facilitated a deeper understanding of IoT concepts and project development strategies.

Dr. H.S. Hota extended gratitude to the senior students for their valuable contributions in mentoring and guiding their juniors throughout the project development process. Their expertise and support were instrumental in fostering a collaborative learning environment during the workshop.

The one-day workshop on IoT proved to be a fruitful endeavor, equipping students with essential knowledge and practical insights into sensor technology and IoT applications. Through interactive sessions, demonstrations, and project discussions, students gained valuable experience and inspiration to develop innovative IoT projects capable of addressing real-world challenges. The Department of Computer Science and Applications remains committed to organizing such events to foster continuous learning and skill development among its students. Feedback from participants indicated a high level of satisfaction with the workshop content and delivery. Many students expressed their enthusiasm for applying the concepts learned in their future projects, underscoring the workshop's effectiveness in bridging the gap between theoretical knowledge and practical application in the field of IoT.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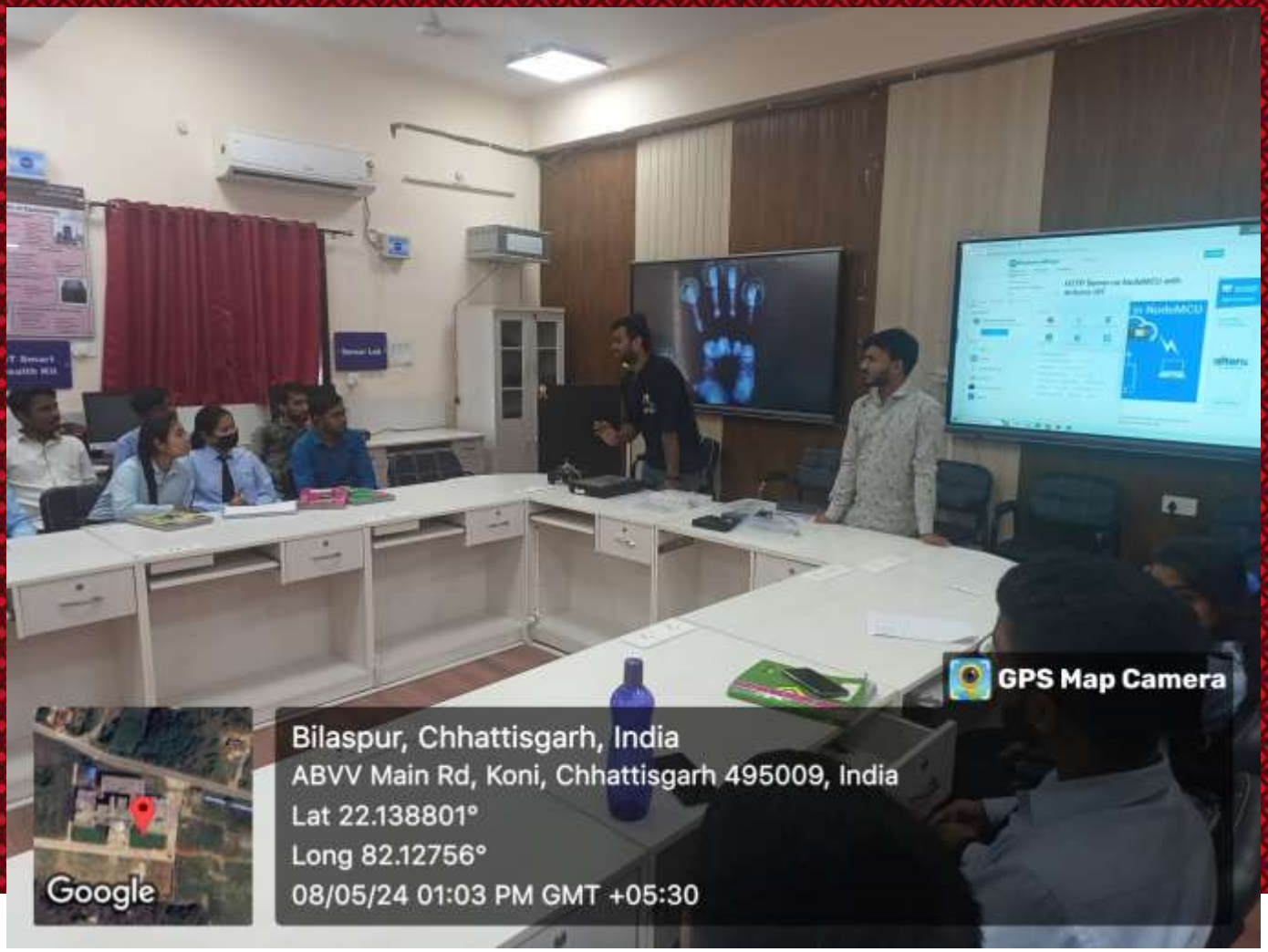
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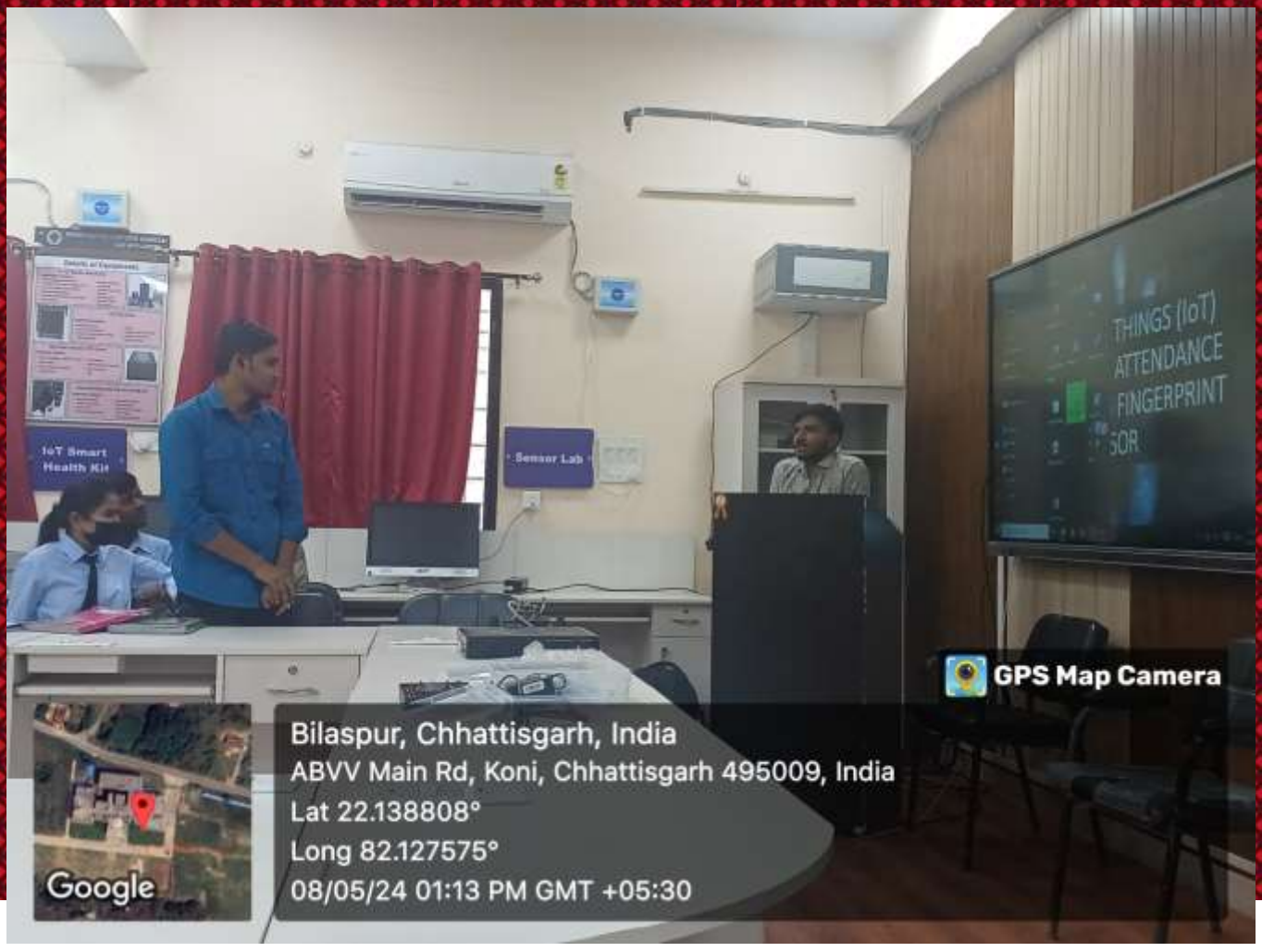
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