Report
on
AI4S: Academic and Industrial Lecture Series
Talk -02
On
Hardware and Graphics Programing
by
Dr. Vikash Singh, Professor, Department of Computer Science, Indira Gandhi National Tribal University, Amarkantak (M.P.)
Date: 15.04.2023

The Department has started AI4S (Academic and Industrial Popular Lecture Series) academic and industrial lecture series from April 1st 2023. The objective of this series is to make aware to the students about latest technological development in IT industry. So that students will be aware about technologies which are being used in industry and accordingly they can plan for their career.

The Second talk on ''Hardware and Graphics Programming'' under the special lecture series of AI4S was organized by Department of Computer Science and Application on 15th April 2023. The second talk was delivered by Dr. Vikash Singh, Professor, Department of Computer Science, Indira Gandhi National Tribal University, Amarkantak (M.P.).

The program started with the welcome and introductory speech by Dr. H.S. Hota, HOD, Department of Computer Science and Application. He explained the need and objective of this lecture series.

Dr. Vikash Singh started his lecture with basic concept of microprocessor and microcontroller. He also discussed about tools and software which is helpful for hardware and graphical programming.

In the lecture session, the students had an intensive interaction with the expert and all the queries were answered by expert. The lecture was very fruitful in the sense that every student got a clear idea regarding the cyber security. Feedback was given by the students also.

The program was concluded by vote of thanks by Dr. Rashmi Gupta, Assistant Professor, Department of Computer Science and Application. She expressed special gratitude to Dr. Vikash Singh for his informative and useful lecture. She also expressed gratitude to Dr. H.S. Hota for his constant encouragement and support in conducting this type of program. Seventy eight students from MCA and M.Sc. Computer Science have actively participated in the lecture series.

MODBUS RTU communication protocol using 2 wire RS485 interface has been used to interface the annunciator with HMI. Settings for this communication are as follows

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Finally, hex files are generated