SAMRAT ASHOK TECHNOLOGICAL INSTITUTE, VIDISHA (M.P)

Expert Talk
on
"Applications of Microcontroller in Power Electronics"

6th October 2023, 11 AM

EXPERT

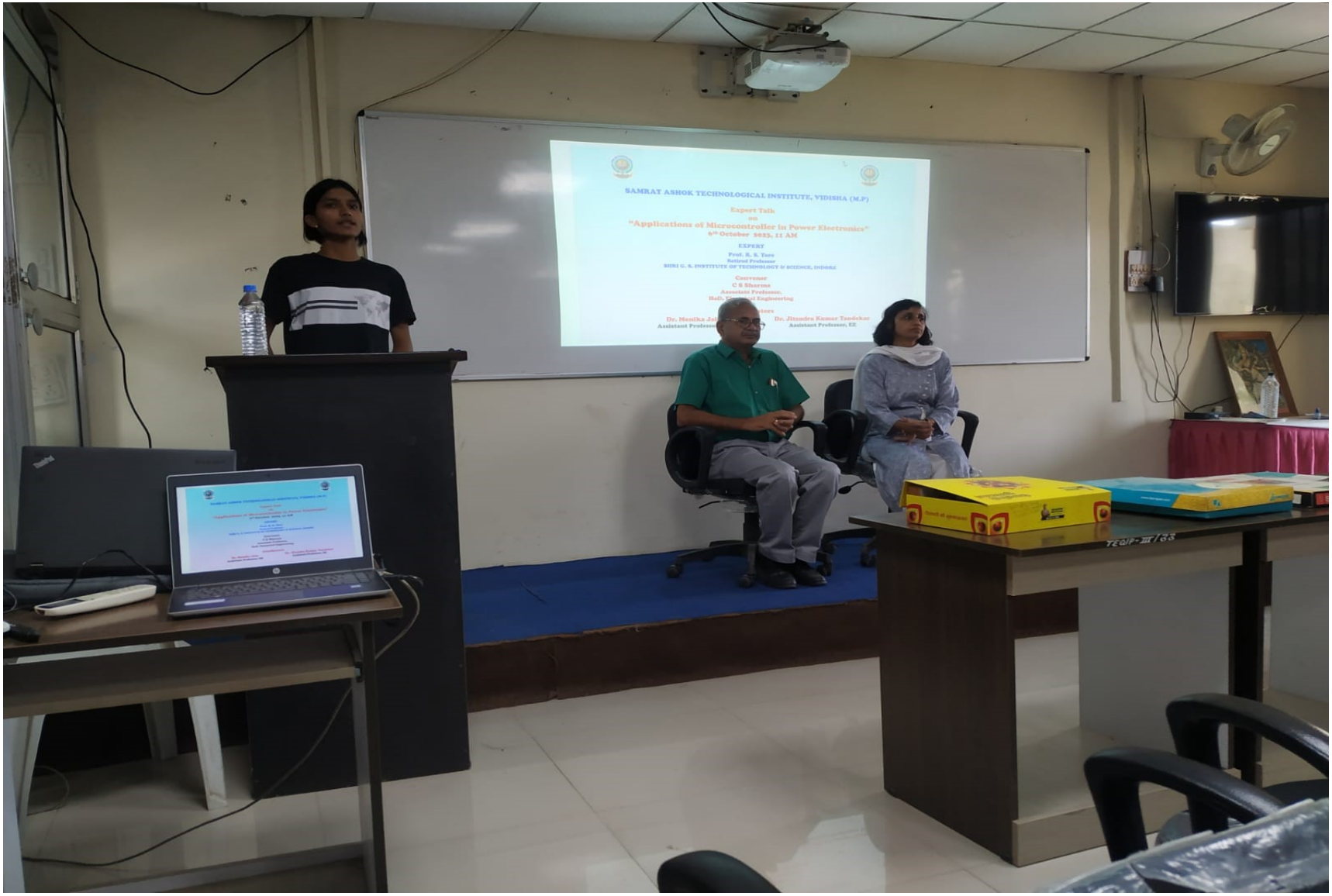
Prof. R. S. Tare
Retired Professor
SHRI G. S. INSTITUTE OF TECHNOLOGY & SCIENCE, INDORE

Convener
C S Sharma
Associate Professor,
HoD, Electrical Engineering

Coordinators

Dr. Monika Jain
Assistant Professor, EE

Dr. Jitendra Kumar Tandekar
Assistant Professor, EE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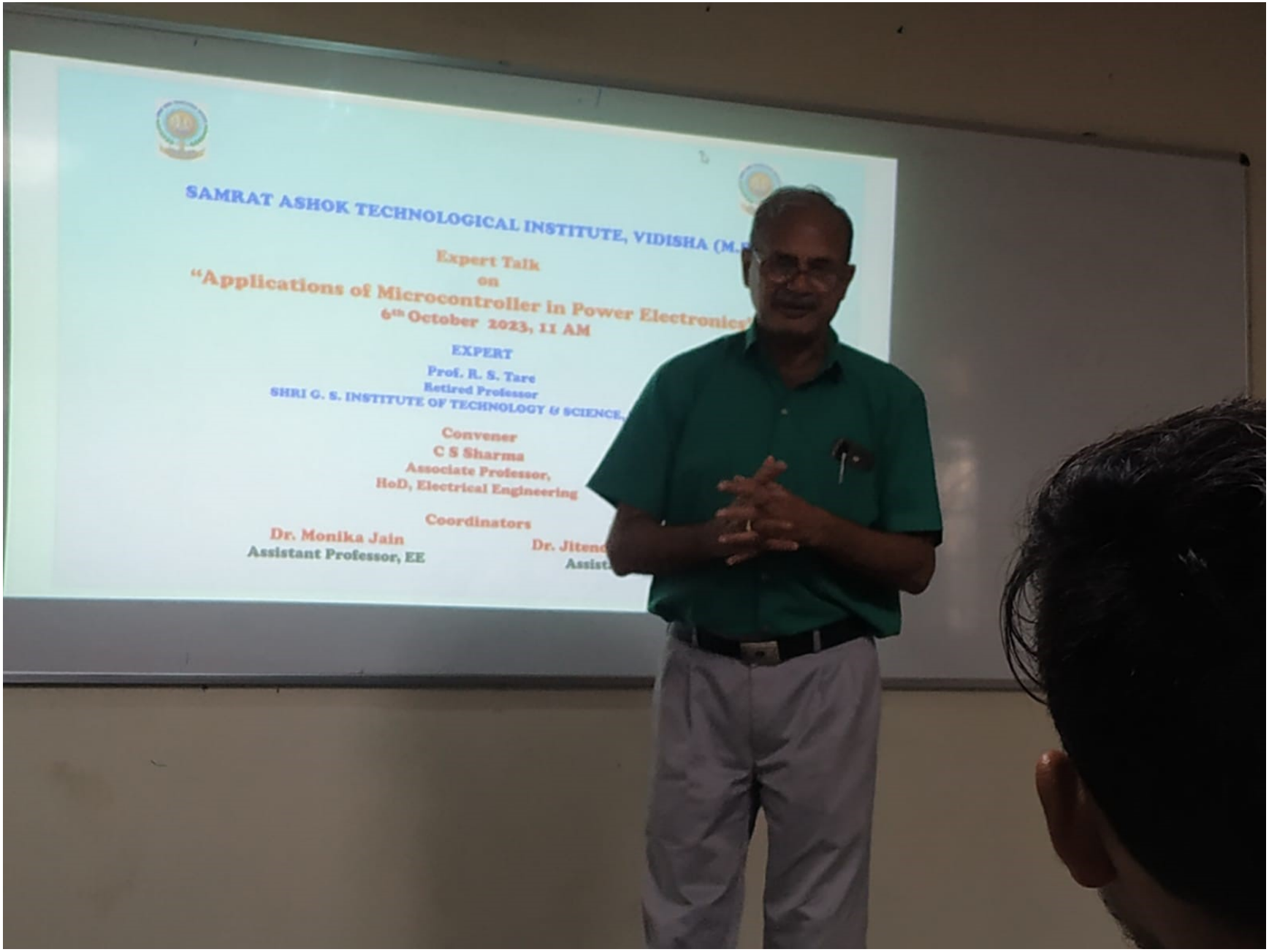
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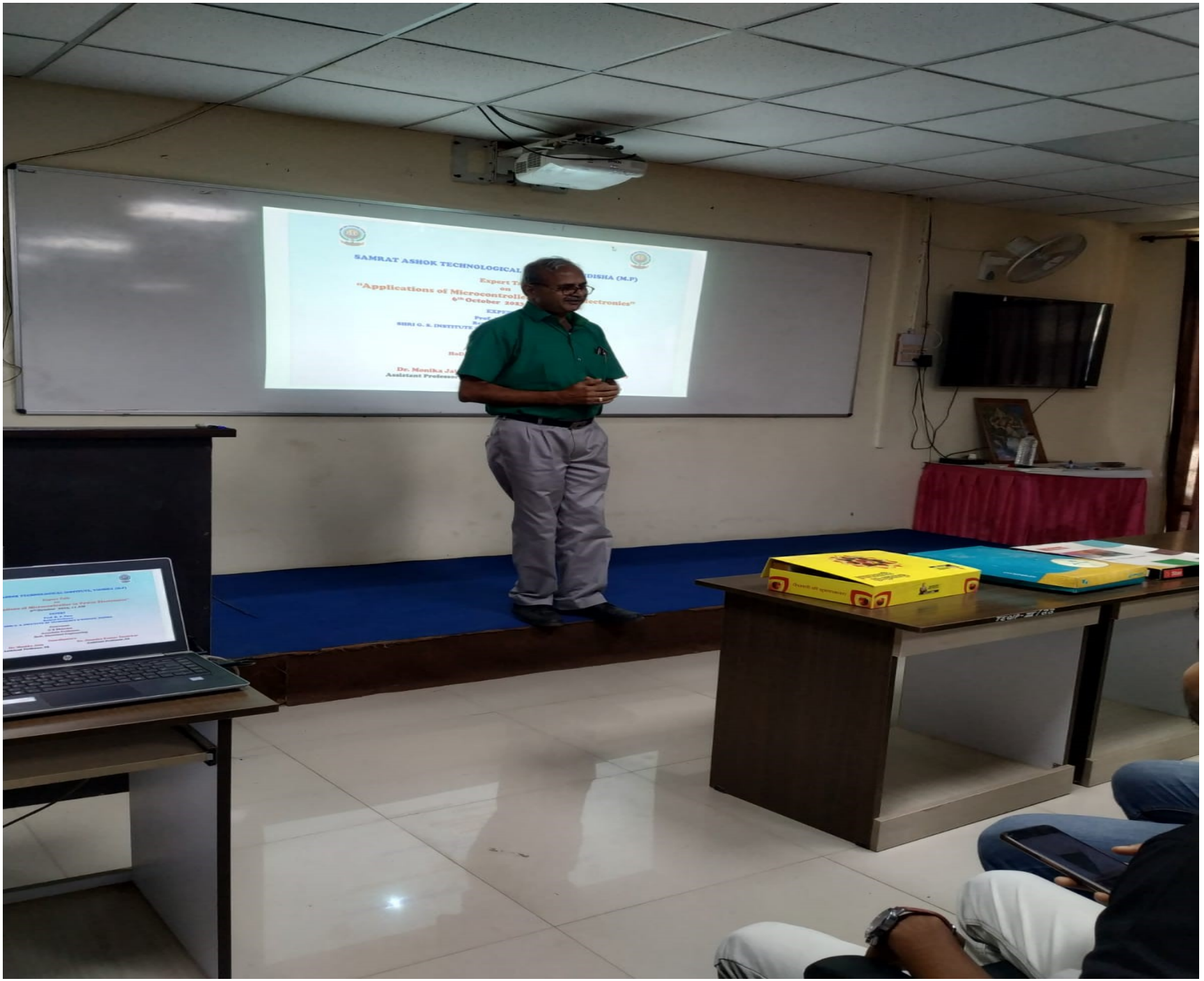
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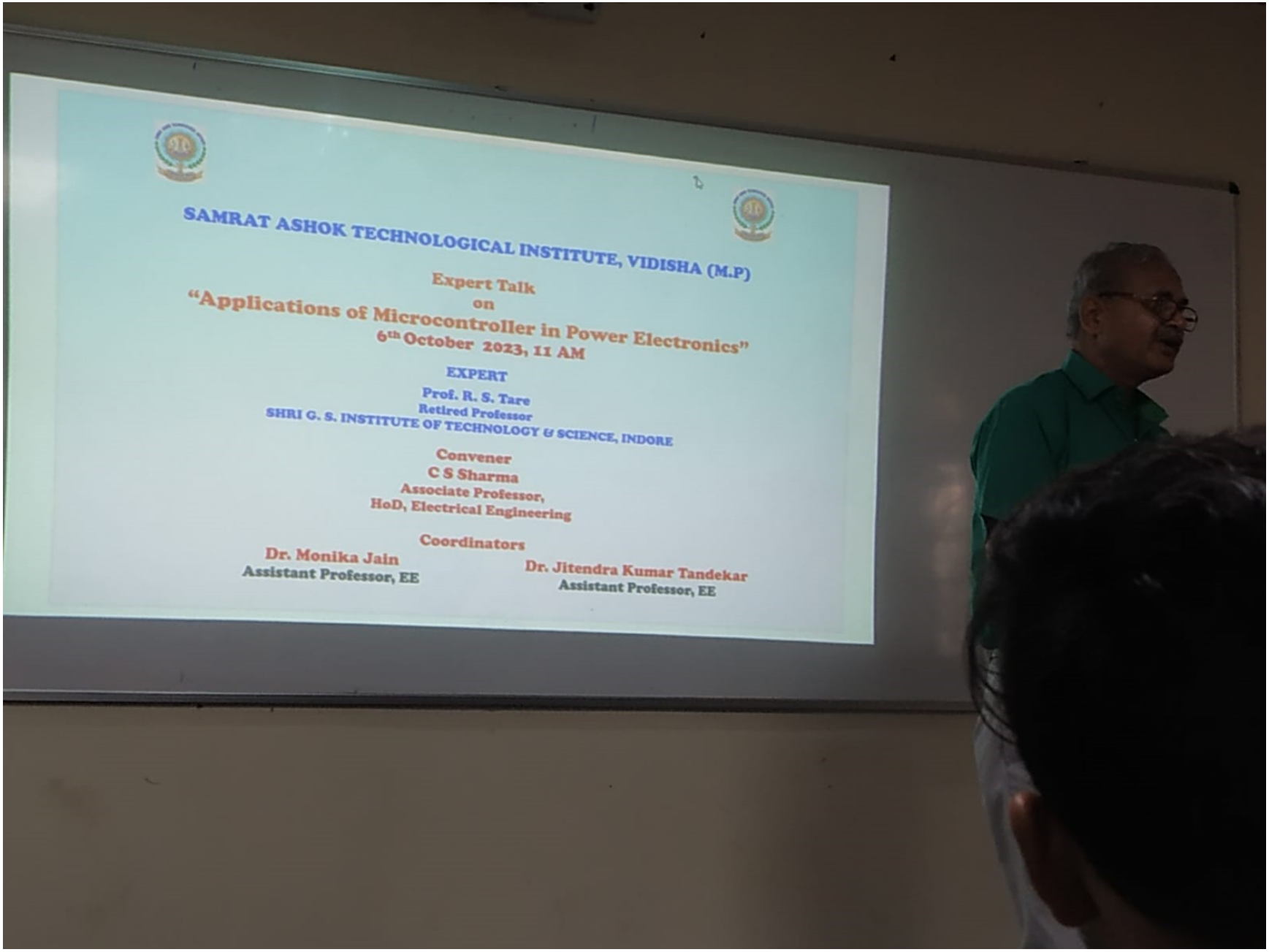
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SAMBALPUR UNIVERSITY
Simulation Lab
List of Experiment


SAMRAT ASHOK TECHNOLOGICAL INSTITUTE
Simulation Lab
List of Experiment


SAMRAT ASHOK TECHNOLOGICAL INSTITUTE
Department of Electrical Engineering
NEVER
Give Up


NEVER
Give Up


9-12
Gate driver
A
G
μ Controller
ZCD
S
V_s
V_L


Save Energy
Have you Switch off
your room Light &
Fan?


SAMRAT ASHOK TECHNOLOGICAL INSTITUTE
Simulation Lab
List of Experiment
ALERT


Be the sunshine whon the sky


Be the sunshine whon the sky


SAMRAT ASHOK TECHNOLOGICAL INSTITUTE, VIDISHA, (M.P.)
(Engineering College)
Department of Electronics & Instrumentation Engineering
TIME TABLE
SEMESTER: EVEN/ODD
SAMRAT ASHOK TECHNOLOGICAL INSTITUTE
Department of Electrical Engineering
Microcontrollers
LIST OF EXPERIMENTS
To study the peripheral logic diagram of EdSim51 microcontroller simulator and display the binary pattern from0 to 255 (and back to 0) on the LEDs interfaced.
Write an assembly language program for addition/subtraction of two eight bit hexadecimal numbers and show the status of PSW register.
Write an assembly language program for addition/subtraction of two eight bit hexadecimal numbers and show the status of PSW register.
To light the LEDs interfaced with port 1 through switches connected with port 2 of EdSim51 microcontroller simulator.
To continuously display a four character pattern on the four seven segment displays of EdSim51 microcontroller simulator.
To display the pattern 'ABC' on the liquid crystal display of EdSim51 microcontroller simulator.
To generates a ramp on the DAC output of Edsim51 microcontroller
Save Energy
Have you Switch off your room Light & Fan ?