

Schedule
for
Lecture Series
on

Industrial Automation and Control



(Content beyond course initiative)

Department of Electrical Engineering

IET Lucknow

NOVEMBER 19

IET Lucknow

Program Coordinator: -

Prof. Seethalakshmi, Dr. Devesh Shukla

Organized by: Department Electrical Engineering



TENTATIVE SCHEDULE 2021-2022

(COURSE BEYOND CONTENT: - INDUSTRIAL AUTOMATION AND CONTROL)

COURSE BEYOND CONTENT	INDUSTRIAL AUTOMATION AND CONTROL	
FACULTY SPEAKER	MR. N. MURUGESAN (FORMER DIRECTOR GENERAL CPRI)	
PROJECT PHASE	DATE	TIMING
LECTURE 1	08/10/2021	02:00 to 5:00 pm
LECTURE 2	23/10/2021	02:00 to 5:00 pm
LECTURE 3	20/11/2021	11:00 am to 12:30 pm 2:00 pm to 3:30 pm
LECTURE 4	27/11/2021	11:00 am to 12:30 pm 2:00 pm to 3:30 pm

Calendar Schedule

OCTOBER 2021							NOVEMBER 2021						
M	T	W	T	F	S	S	M	T	W	T	F	S	S
				1	2	3	1	2	3	4	5	6	7
4	5	6	7	8	9	10	8	9	10	11	12	13	14
11	12	13	14	15	16	17	15	16	17	18	19	20	21
18	19	20	21	22	23	24	22	23	24	25	26	27	28
25	26	27	28	29	30	31	29	30					

About Speaker: -

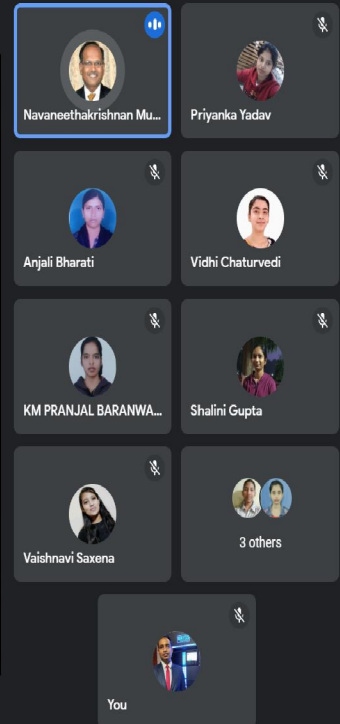


Mr. Murugesan brings nearly 42 years of experience in the areas of Standardization of Electrical equipment (both National - Bureau of Indian Standards (BIS) and International - STL- Short Circuit Testing Liaison - IEC, IEEE Standards), Power Systems, Transmission & Distribution system, Protocol for Power system, Substation Automation, Distribution Automation, SCADA, Smart Grid, Advanced Metering Infrastructures (AMI), Smart Meters, Switch-gear testing & Certification (Low & High voltage equipment) for confirmation as per National (BIS) & International standards (IEC/ IEEE). Managed one of the largest Power Engineering Research Institute under Ministry of Power, Government of India as its Director General (22 March 2010 to 21st March 2015), and managed about 400 Power Sector Scientific personnel Catering Research, Consulting and Certification of Electrical equipment as per BIS/ IEC/ IEEE.

Grid Evolution

- The operator could also ask for a point "check" to verify its status.
- The first logging system was designed by Harry E. Hersey in 1927.
- This system monitored information from a remote location and printed any change in the status of the equipment together with the reported time and date when the change took place.
- As the scope of supervisory control applications changed, so did many of the fundamentals of supervisory control technology.
- During the early years all of the systems were electromechanical.
- The supervisory systems evolved to using solid-state components, electronic sensors, and analog-to-digital converters. In this evolution, however, the same remote terminal unit (RTU) configuration was maintained.
- The companies making the RTUs merely upgraded their technology without looking at alternate ways of performing the RTU functions. In the 1980s process control companies began applying their technology and technical approach to the SCADA electric utility market. As a result, RTUs used microprocessor based logic to perform expanded functions. The application of microprocessor based logic to the RTU function and capabilities.

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A grid of participant avatars in a Google Meet interface. The avatars are arranged in a 4x2 grid. The top-left avatar is Navaneethakrishnan Murugesan, who is currently speaking. Other participants include Priyanka Yadav, Anjali Bharati, Vidhi Chaturvedi, KM PRANJAL BARANWA..., Shalini Gupta, Vaishnavi Saxena, and a group of 3 others. A 'You' avatar is located at the bottom of the grid.