

Detailed Schedule

S. No	Date / Time	0930 - 1000 Hrs	1000 - 1200 Hrs	0200 - 0300 Hrs	0300 - 0330 Hrs	0330 - 0400 Hrs
1	13.9.21	Inauguration ;	Speaker : V. Venkata Ramana	12 00 -	Speaker : Smt Uma Maheswari	
		Inaugural Address by Gopala Krishna Kuppa	Topic: Introduction to Fourth Industrial Revolution		Topic: Hands on Sessions on UIPATH	
2	14.9.21		Speaker : Dr Arifuddin Sohel	02 00	Speaker : Smt Uma Maheswari	
			Topic: Digital Twins - Future of Engineering		Topic: Hands on Sessions on UIPATH	
3	15.9.21		Speaker : Sadanand Lanka	02 00	Speaker : Smt Uma Maheswari	
			Topic: Automated Guided Vehicles		Topic: Hands on Sessions on UIPATH	
4	16.9.21		Speaker : Smt Uma Maheswari	EA K	Speaker : Dr. Radhika Gudipati	
			Topic: Hands on Sessions on UIPATH		Topic: RAS Trends and Future markets, short roadmap activity on Miro Board.	
5	17.9.21		Speaker : Dr. Jharna Majumdar	EA K	Speaker : Smt Uma Maheswari	Valedictory
			Topic: Autonomous Robot - Control, Navigation, Computer Vision using AI, Machine Learning and Neural Network		Topic: Hands on Sessions on UIPATH	

Important Dates: Last Date of Registration - 11/ 09/ 2021

Notification of Selected Participants-12/09/2021 (Selection will be in first come –first serve basis)

Registration: The number of participants is limited to 200. The selection is based on first come first serve basis. Last date for Registration is on or before 11th September 2021. Google form is given below.
<https://forms.gle/neq1uJ39aNXGKx3h6>



One Week Online Faculty Development Program on

“Robotics in Automation-Trends and Case studies” (RATC-2021)

13-17 September 2021

Organized by

Dept of Electrical & Electronics Engineering,

GPREC IEEE RAS Student Branch chapter (SBC-15721G) In association with IEEE Robotics and Automations Society, Hyderabad section



G. Pulla Reddy Engineering College (Autonomous)

Accredited by NBA of AICTE and NAAC of UGC & Affiliated to JNTUA, Ananthapuramu
KURNOOL – 518007
Andhra Pradesh, India.

ADDRESS FOR ALL CORRESPONDENCE

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E-mail: gatish.eee@ieee.org

Website: www.gprec.ac.in, www.gprecieestb.in,
www.ieeehyd.org

ABOUT THE COLLEGE

The College is the brainchild of the renowned philanthropist, Late Sri G. Pulla Reddy. Established in 1985 and managed by G. Pulla Reddy Charities Trust. The college is affiliated to Jawaharlal Nehru Technological University Anantapur, Ananthapuramu and approved by AICTE & accredited by NBA of AICTE and NAAC of UGC. The college offers Under Graduate Programmes in Seven Engineering branches and three Post Graduate programmes. The college is situated on Kurnool – Chittoor National Highway No.18. Kurnool is well connected by Air, Rail and Road. The places of interest nearby are Srisailam, Alampur, Mahanandi, Mantralayam and Belum Caves.

ABOUT THE DEPARTMENT

The department of Electrical & Electronics Engineering was started in 1994. The department has excellent infrastructure facilities, laboratories and faculty. Also the department offers Labview Academy programmes and various industry related trainings.

ABOUT IEEE-RAS

The IEEE Robotics and Automation Society's objectives are scientific, literary and educational in character. The Society strives for the advancement of the theory and practice of robotics and automation engineering and science and of the allied arts and sciences, and for the maintenance of high professional standards among its members, all in consonance with the Constitution and Bylaws of the IEEE and with special attention to such aims within the Field of Interest of the Society.

ABOUT THE WORKSHOP

This work shop is mainly focused on the faculty and research scholars who are enthusiastic on the robotics and automation. Hence this workshop is concerned with industry revolutions, and the involvement of the robots in the automation. In continuation to that how the

automated guided vehicles related to the robotics, the future engineering - digital twins and Robotic process automation are mainly concentrated

Robotic process automation (RPA) is a software technology that makes it easy to build, deploy, and manage software robots that emulate humans actions interacting with digital systems and software. RPA is noninvasive and can be rapidly implemented to accelerate digital transformation.

ELIGIBILITY:

This program is designed for faculties, research scholars/PG scholars from AICTE approved educational institutions, also participants from industry are encouraged to accelerate adoption of Robotic Process Automation by upskilling their professionals.

RESOURCE PERSONS:

Dr. Radhika Gudipati,
Business Development Manager, Shadow Robot Company Ltd, London

Dr. Jharna Majumdar, Sc G, Head, Aerial Image Exploitation Division, ADE, DRDO.

Mr. V.Venkatramna,
(Retired) General Manager of Siemens and Director of Siemens Alliance

Mr. Sadanand Lanka,
Proprietor, vivatech, Hyderabad

Dr. Mohammed Arifuddin Sohel,
Chair, IEEE-RAS, Hyderabad

Ms. V. Uma Maheswari
Assistant Professor, DCSE, VCE, Hyderabad.

Dr. C. Harinath Reddy,
IEEE Branch Counselor, GPREC, Kurnool

TOPICS TO BE COVERED

- Fourth Industrial Revolution.
- Digital Twins - Future of Engineering .
- Automated Guided Vehicles
- Hands on Sessions on UIPATH,
- RAS Trends and Future marketing,
- short roadmap activity on Miro Board.
- Autonomous Robot— Control, Navigation, Computer Vision using AI, Machine Learning and Neural Network"

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Chairman: Sri. P. Subba Reddy

Chief Patron: Dr. B. Sreenivasa Reddy,
Principal, GPREC, Kurnool

Patron: Dr. T. Bramhananda Reddy, HoD EEED

Branch Counselor : Dr. C. Harinatha Reddy, EEED

Coordinator: Dr. Satheesh G, EEED

Advisory Committee:

Sri. Gopala Krishna Kuppa, Chairman, CoE for Industrial IoT, IEEE Hyd Section

Dr. Arifuddin Sohail, Secretary, IEEE Hyd Section

Dr. Y. V. Siva Reddy, Professor, EEE Dept

Dr. K. Sri Gowri, Professor, EEE Dept

Organizing Committee:

Dr. M. Siva Sathyanaryana	Dr. G. Sreenivasa Reddy
Dr. N. Ravi Sankar Reddy	S. Anil Kumar
Dr. G. Kishor	B. Amarnatha Naidu
Dr. V. Ananthalakshmi	Smt. G. Haritha
Dr. Abid Nayeemuddin	A. Pradeep Kumar Yadav
Dr. M. Harshavardhan Reddy	E. Sreenadh
Dr. B. Urmila	B. Raghavendra Reddy
Dr. G. Venkata Subba Reddy	