

**ONE DAY WORKSHOP ON RECENT TRENDS
IN ROBOTICS AND AUTOMATION-2022**

(RTRA-2022)

24TH, May 2022

REGISTRATION FORM

Name:

Gender:.....

Designation:.....

Category:.....

(Student / Research Scholar / Faculty / Industry)

Address:.....

.....

.....

Mobile:.....

Email:.....

DD No:.....

Date:.....

Bank:.....

(Crossed Demand Draft in favour of
“.....”

Anna University, Chennai – 600025.” (Payable at Chennai).

Declaration:

The information provided by me is true to the best of my knowledge.

Date:

Place: Signature of the Applicant

SPONSORSHIP:

Mr./Ms./Dr.....

is an student / research scholar / employee of our Institute / Organization and is hereby permitted for the above Workshop programme, if selected.

Date: Signature & Seal

Place: Head of the Department

WORKSHOP COMMITTEE

Chief Patron : Dr. R. VELRAJ
Vice Chancellor
Anna University

Patron : Dr. G. RAVIKUMAR
Registrar i/c
Anna University

Co-Patron : Dr. J. PRAKASH
Dean, MIT Campus
Anna University

Convener : Dr. A.SIDDHARTHAN
Professor and Head
Dept. of Production Technology
MIT Campus, Anna University

Coordinator : Dr. P. GANESH
Assistant Professor (Sl. Gr)
Department of Production Technology
Anna University

DEPARTMENT COMMITTEE MEMBERS

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Dr. J. Jancirani	Mr. P. Rethinam
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Dr. M. Manoj	Mr. S. Mohamed Shazuli



**ONE DAY WORKSHOP ON
“Recent Trends in Robotics and
Automation-2022”
(RTRA-2022)**

*to Commemorate the Excellent Contributions
and Service rendered by*

*Dr. R. Sivaramakrishnan (Late)
Former Professor and Head, Department of
Production Technology*

*on his Birth Anniversary
24-5-2022*



Organised by

**DEPARTMENT OF PRODUCTION
TECHNOLOGY, MIT CAMPUS
ANNA UNIVERSITY, CHENNAI – 600 044**



ABOUT THE DEPARTMENT

The Department of Production Technology was started in the year 1977. Presently department conducts 2 UG programmes: B.E. (Production Engg.) and B.E. (Mechanical Engg.) as well as 2 PG programmes: M.E. (Manufacturing Engg.) and M.E. (Mechatronics), besides PhD programme. The department is unique with its initiative of M.E. (Mechatronics) and M.E. (Manufacturing Engg. with specialisation in Green Manufacturing) which were the first of its kind in India. The Department of Production Technology has been sponsored by AICTE 2010 (Ultrasonic Cavitation Casting), DST-FIST 2012 (Abrasive Water Jet Machine and Electrochemical Machine), UGC-DRS-SAP 2012 (Robotics), NRBDRDO ,DST- SERB (2017) and Tamil Nadu Innovation Initiatives (TANII) 2020. The department was a part of UGC-University with Potential for Excellence (UPE) 2017 in Biomedical Engg. and Instrumentation in the “Limited Manufacturing Mechanical” group and has established state-of-art facilities in Manufacturing (CNC machining centre, CNC sheet bending, CNC compression moulding, CNC injection moulding, Robot Welding, Ultrasonic Welding, Electrical discharge Machine etc) and Testing (Coordinate Measuring Machine and Non-contact surface roughness tester) for fabrication of Anti-biogram diagnostic device. Recently, the department is sanctioned by TANII 2020 for the development of semi and fully automated intelligent exo-skeletal and prosthetics for disabled communities. The department is progressing toward societal benefit projects involving indigenous manufacturing, mechatronics and automation as well as interdepartmental research. As on date, the number of enrolled PhD scholars is 41 and PhD awardees are 31 during 2015-2020. The on-going research areas are

- Composite Materials
- Super plastic forming
- Unconventional machining
- Robotics & Automation
- Electromagnetic Forming
- Image Processing
- Lean Manufacturing
- Smart Materials
- Machine Tool Condition Monitoring
- FEA/FEM
- Intelligent Prosthetics & Exoskeleton

BENEFICIARIES OF THIS WORKSHOP

Faculty of engineering colleges, Research scholars, UG/PG students and professionals from related industries will benefit by attending this workshop. Participants will be provided with course material kits, working lunch and refreshments. Participants have to make their own arrangements for accommodation.

“The candidates will be selected on first come first serve basis. The total number of participants is limited to 50”

REGISTRATION

Interested candidates may send their registration form in the attached format along with registration fee by DD in favour of **“Director, Centre for Technology Development and Transfer (CTDT), Anna University, Chennai-25.”** (Payable at Chennai).

Additionally, the candidates may send soft copy of registration form & payment details through e-mail.

REGISTRATION FEE DETAILS

Faculty / Scientist / Industries / Research Scholar / Students: **Rs.750/-**

IMPORTANT DATE

Last date for registration: **21st May 2022**

CONTACT DETAILS

Dr.P.Ganesh
Coordinator

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Email: robotechmit@gmail.com
Tel: 044 – 22516126
Mobile No: 9444430644

PROGRAMME SCHEDULE

Time	Session
8:00-8:30 am	Registration
8:30-9:30 am	Inaugural address “Recent developments in Robotics & Automation for the inspection technology” by Mr.S. Joseph Winston, Head, RHIED, IGCAR.
	Session 1
9:30-10:30 am	“Autonomous Mobile Manipulators” - Dr.Santha kumar Mohan, IIT Palakkad (Online)
10:30-11:00 am	Tea Break
	Session 2
11:00-12:00 pm	“Design and control of Brain Computer Interface based hand exoskeletons for stroke rehabilitation” – Dr. Ashish Dutta, IIT Kanpur (Online)
	Session 3
12:00-1:00 pm	“Robotics in Manufacturing Industry: Current Scenario” - Mr.Shivkumar Srinivasan, MEL Systems and Services Ltd
1:00-2:00 pm	Lunch Break
	Session 4
2:00-3:00 pm	“Medical Robotics- Opportunities and Challenges”- Dr. Vinod B PSG College of Technology, Coimbatore (Online)
3:00-3:30 pm	Tea Break
	Session 5
3:30-4:30 pm	“Computational Intelligence in Robots”- Dr.D.K.Pratihar IIT Kharagpur
4:30-5:00 pm	Valedictory