



St. Joseph's College of Engineering
St. Joseph's Group of Institutions
OMR- Chennai-119



AICTE Sponsored Online
SHORT TERM TRAINING PROGRAMME (STTP)
on
SMART MANUFACTURING - OPPORTUNITIES & CHALLENGES
13th -18th July 2020



Organized by
Department of Mechanical Engineering

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 Professor & Head – Lab. Affairs
 Department of Mechanical Engineering

Coordinator

Dr. N.Arunkumar, M.E., Ph.D
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Dr. N.E. Arun Kumar, M.E., Ph.D
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 Assistant Professor

Mr. M. Ganesh, M.Tech., (Ph.D)
 Assistant Professor

Mr. T. Balasubramanian, M.E., (Ph.D)
 Assistant Professor

Mr. K. Pravinkumar, M.E.,
 Assistant Professor

Mr. N. Sathishkumar, M.E.,
 Assistant Professor



About the Institution

St. Joseph's College of Engineering established in the year 1994, celebrating its silver jubilee this year and ranks among the top Engineering Colleges in Tamil Nadu affiliated to Anna University, Chennai. All the departments of our College have been accredited by the National Board of Accreditation, New Delhi and certified with A+ by NAAC. Our college is among the top 160 educational institutions ranked by NIRF. Every year a large number of students from our college win accolades at the National and International events. They win awards for their projects and prizes in cultural and sports achievements besides securing many University Ranks. Many of our students get placements in top notch organizations besides securing admissions in world class Universities in India and abroad. The college has provided enormous support and perpetually encourages all our endeavours.

About the Department

Our department had a very modest beginning with 40 students and 10 faculty members in the year 1998. Now, we have an annual intake of 180 students and 37 faculty members are rendering their services. We also conduct a post graduate program in Manufacturing Engineering. Our department has been accredited by NBA. Our department being a research centre, having 13 Doctorates and state of the art laboratories to support research, many research scholars across the state showed interest to pursue their Ph.Ds under our mentorship. The collaborative activities like consultancy services, projects, internships and workshops with the industries help our department to progress every day. Our students are well placed in reputable industries throughout the country and abroad. Many of the students are pursuing their higher studies in prestigious institutions in India and abroad (Singapore, Germany, Sweden, USA, UK etc.).

Scope of STTP

Smart manufacturing involves improving the intelligence and dynamic nature of the process through advances in electronics and communication technology. It is about connecting the Shop floor to Top floor through network of embedded sensors that communicate huge volumes of data within any given framework of dynamic information architecture. The framework can range from single machine maintenance to product/process development; single shop production planning to overall supply chain management & dynamic business decisions.

Major Topics to be covered

Insight into SMART Manufacturing	Concept of Smart Factory	Role of Digitization in Quality, Productivity Cost & Safety
Recent Research in Digital Manufacturing	Advanced Robotics	Industrial Internet of Thing (IIOT)
Additive manufacturing	Sustainable manufacturing	Manufacturing Analytics



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For Queries

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 sttpmechstjosephs@gmail.com

Who Can Attend:

Faculty members from AICTE approved institutions, Research Scholars, PG students with Graduate in Engineering stream & Industry Professionals are eligible to participate in the programme.

Resource Person:

Experienced faculty from IIT/ IITDM/ NIT/ Anna University and other renowned Institutions. Professionals from Industries will deliver the sessions.

How to Join the Programme:

Registration Link



<https://forms.gle/U91BRJpcBvWpumY6>



- Registration is Free.
- Participants need to join in whatsapp group using whatsapp invite link (Provided in registration form) for further communication.
- E-Certificates will be issued upon successful completion of STTP and an online examination on the last day.
- Minimum 80% Attendance is Compulsory.
- Sessions will be conducted through online platform: CISCO WEBEX

Session Details:

- Three Sessions Per day will be scheduled in the following timing

Session 1	Session 2	Session 3
10.30 am - 12.00pm	12.15 pm - 1.45pm	3.30 pm - 5.00pm

- Session Links will be shared to the participants after registration.



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