

ONE DAY WORKSHOP CUM HANDS-ON TRAINING ON RAPID MANUFACTURING PROCESSES (RAMP 2018)

ABOUT THE COLLEGE

PSG College of Technology, a premier institution for engineering education in India, started in 1951 has developed into a centre for advanced studies and research in several areas of engineering, technology, applied sciences and management. The college is autonomous since 1978 and is ISO certified. The laboratories, workshops and library of the college are all well equipped with modern facilities suitable for learning and research.



ABOUT DEPARTMENT OF PRODUCTION ENGINEERING

As manufacturing activities play a major role in the development of the country, PSG College of Technology envisaged the need for trained manpower in manufacturing and thus the undergraduate programme in Production Engineering was started in the year 1975. Subsequently, department grew in several dimensions of academic excellence with time. Department offers three PG programmes in the area of Manufacturing, Product Design and Digital Manufacturing. All the laboratories of the department are approved for carrying out research, leading to Ph.D Degree (full time and part time) by Anna University, Chennai. The department offers consultancy in manufacturing processes, design and testing a range of products.

ABOUT THE WORKSHOP

Global competition, mass customization, accelerated product obsolescence and continued demands for cost savings are forcing companies to look for new ways to improve their business processes. Rapid Manufacturing is one of the new ways of operation which improves the business processes by compressing the product development time. Rapid Manufacturing technology has changed the phase of design and manufacturing processes in various sectors involving aerospace, defense, automobile, medical fields and consumer products. Because of the wide applications of rapid manufacturing technologies, it has become the most powerful and the best tool for the industrial revolution in product development domain. This workshop will discuss the evolution of Rapid Manufacturing technologies like additive and subtractive manufacturing processes which have improved the product development activities. The workshop will focus towards research projects and research avenues in the context of rapid manufacturing.

DATE: 13.10.2018

ORGANISED BY

DEPARTMENT OF PRODUCTION ENGINEERING
PSG COLLEGE OF TECHNOLOGY
COIMBATORE - 641004

FACULTY ORGANISERS

Dr. G. Madhan Mohan, Assistant Professor (Sr. Gr.),
Mr. K. Anand, Assistant Professor (Sr. Gr.),
Mr. S. Pratheesh kumar, Assistant Professor,



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SESSION HIGHLIGHTS

- Hands-on training in the prototyping of products using 3D Printing Machine and Subtractive Rapid Prototyping Machine.
- Demonstration on Rapid Free Forming (RFF) of sheet metals.
- Visit to PSG TIFAC Core (Product Development Centre)

OBJECTIVE

Objectives of this workshop are to

1. Introduce the participants, the various Rapid Manufacturing Technologies that are available, focusing towards its importance in industrial applications.
2. Impart knowledge on the selection of the most appropriate Rapid Manufacturing Technology available for selected applications.
3. Present the recent developments in additive and subtractive manufacturing technologies.

TOPICS COVERED

- Technology overview of additive and subtractive manufacturing.
- Model generation methods and CAD data processing techniques.
- Additive manufacturing processes, systems and materials.
- Additive manufacturing of precision components in plastics, metals, bio-materials and quality control issues.
- Aerospace, defence and automobile applications of additive manufacturing technologies.
- Recent advances and scope for research in rapid manufacturing technology.

REGISTRATION

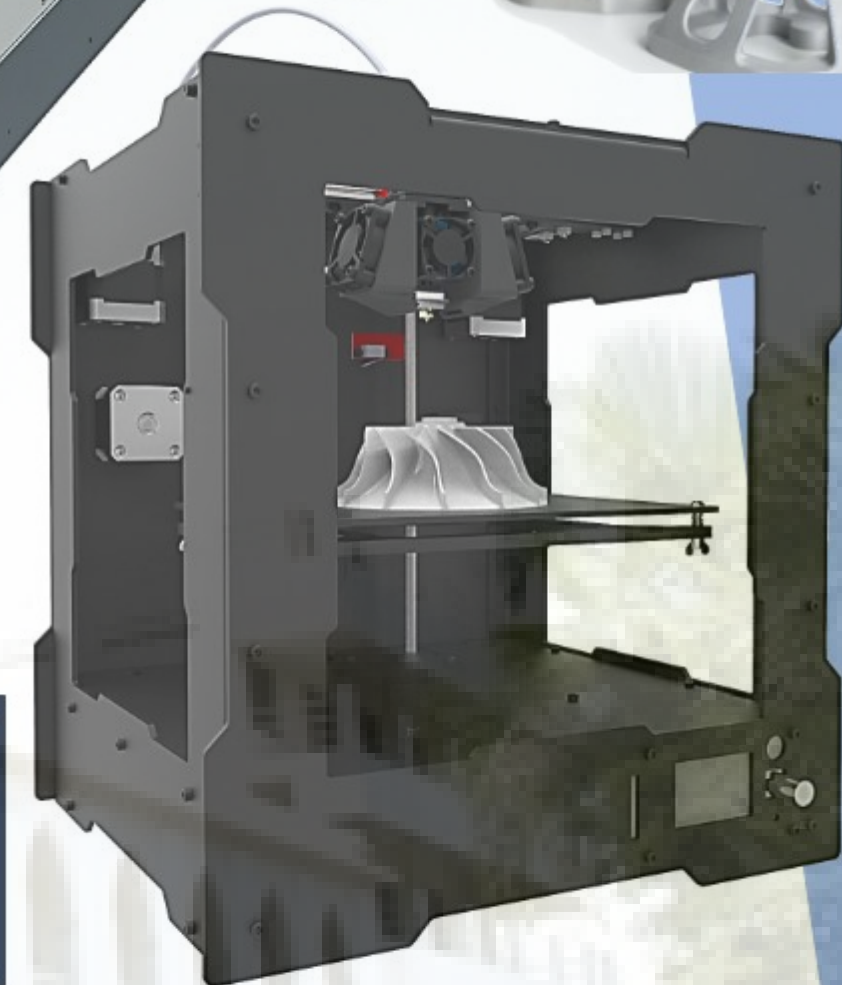
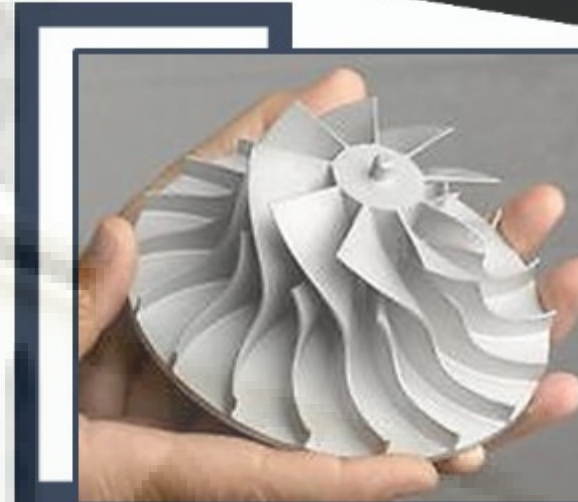
Registration can be made by sending the duly filled application form, bona fide certificate along with Demand Draft for registration fee drawn in favour of "PSGCNCE" payable at Coimbatore.

Online registration link: <https://form.jotform.me/82444160764457>

Registration fee for students of Engineering Colleges* : Rs. 1,500/- (inclusive of service tax)

* Registration fee includes workshop kit, course material (CD), refreshments and working lunch.

* This programme is only for engineering college students and the total number of participants is limited to 30.



HOW TO REACH PSGTECH

PSGTECH campus is located at Peelamedu, Coimbatore. The campus is about 6 km from Coimbatore Railway Junction, 1.2 km from Peelamedu Railway Crossing, 5.4 km from Coimbatore International Air Port, and 4.3 km from Gandhipuram Bus Stand.





ONE-DAY WORKSHOP

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DATE: 13/10/2018

REGISTRATION FORM

Name : _____

Department/Designation : _____

Institution/Industry : _____

Address for Communication : _____

Telephone Number : _____

E-mail ID : _____

Graduated Degree : _____

Years of Study/Experience : _____

Payment Details:

A Demand Draft* is enclosed for ₹ _____ No _____ dated _____

_____ (*Drawn in favor of "PSGCNCE" payable at Coimbatore).

Date:

Signature