

ORGANIZING COMMITTEE

Chief Patrons

Mr.S.Meganathan, Chairman.

Dr.(Mrs.)Thangam Meganathan, Chairperson

Patron

Dr.Hareeshankar Meganathan, Director

Co-Patron

Dr.M. Velan, Principal.

Prof. Rajeswaran, Dean-Academics

Dr.S.Selvaraju, Dean-Mech

Convenor

Dr. S.Dinesh Kumar,

Prof. & Head, Mech. Dept.

Coordinators

Dr. G.Suresh, Asst.Prof./Mech

Mr.S.Bharani kumar, Asst.Prof./Mech

Mr.G.Sai Krishnan, Asst.Prof./Mech

Mr.C.Murugan, Asst.Prof./Mech

Mr.J.Dasa Prakash, Asst.Prof./Mech

MEMBERS

Dr. R. Ragu, Prof./Mech

Dr. S. K. Rajesh Kanna, Assoc.Prof./Mech

Mr.M.James Selvakumar, Assoc.Prof./Mech

Mr.G.Muthu, Assoc.Prof./Mech

Dr.S.Stephen Bernard, Assoc.Prof./Mech

Mr.A.Abdul Munaf, Assoc.Prof./Mech

Mr.G.Manimaran, Assoc.Prof./Mech

Mr.M.Bakkiyaraj, Asst.Prof./Mech

Mr.S.Prabhu, Asst.Prof./Mech

Mr.P.Sethuramalingam, Asst.Prof./Mech

Mr.S.Vivek, Asst.Prof./Mech

Mr.K.Kanagaraja, Asst.Prof./Mech

Mr.P.Balasundar, Asst.Prof./Mech

Mr.R.Franklin Merlin, Asst.Prof./Mech

Mr.N.Lingaraj, Asst.Prof./Mech

Mr.M.Sathyaseelan, Asst.Prof./Mech

Mr.M.R.Saroj Nitin, Asst.Prof./Mech

Mr.S.Srinivasan, Asst.Prof./Mech

Mr.P.Sivasankar, Asst.Prof./Mech

Mr.S.Yuvaraj, Asst.Prof./Mech

Mr.S.P.Vikram, Asst.Prof./Mech

Mrs.S.Priyadarshini, Asst.Prof./Mech

Mr.T.S.C.Natraj, Asst.Prof./Mech



RAJALAKSHMI
INSTITUTE OF TECHNOLOGY

RAJALAKSHMI INSTITUTE OF TECHNOLOGY

Kuthambakkam Post, Chembarabakkam, Chennai-600124

NATIONAL LEVEL SEMINAR ON

ADVANCED COMPOSITES AND ITS MANUFACTURING TECHNOLOGY FOR 3D-PRINTING

February 22nd to 24th, 2018

Sponsored By



सत्यमेव जयते

GOVERNMENT OF INDIA



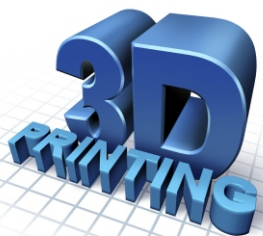
MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES



Organized by



**Centre for Advanced Manufacturing
and
Department of Mechanical Engineering**



CONTACT US:

Dr. G. Suresh,

Asst. Prof/Mech.

Phone : 044- 37181615 | Fax: 044-37181603

Mobile: 9444328611, 9884573323

Email: suresh.g@ritchennai.edu.in

Website: www.ritchennai.org

ABOUT THE INSTITUTION

Rajalakshmi Institute of Technology(RIT) is a premier technical institution in the industrial city of Chennai. The college was started in the year 2008 under the aegis of Sabari Foundation. Ever since its inception it has set the stage for quality technical education for the students and prepares them with diverse abilities, talents and interests to meet the new realities, challenges and requirements of the global market.. Our college is affiliated to Anna University, Chennai and approved by All India Council of Technical Education, New Delhi. The courses offered at RIT are Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Mechanical Engineering, and Information Technology. The departments of CSE and MECH are accredited by NBA, New Delhi. The Institution has MoU's with several leading industries and Foreign Universities .The College is certified by the ISO 9001:2008 for academic standards

ABOUT THE DEPARTMENT

The Department of Mechanical engineering came into existence in the year 2008, the year of inception of the college. The Department is accredited by NBA, New Delhi. Since its inception the department has actively participated in teaching, training, design, development, research and extension activities. This extra ordinary success has been achieved due to the highly qualified and dedicated faculty and technicians and also the facilities in the department. The Department has established advanced R & D facilities by establishing centre of excellence to propagate emerging technologies and develop cutting edge technologies in the field of Advanced manufacturing. The department executes Research projects funded by various funding agencies. To ensure placements, the department signs MoU's with different industries and, engages in technical trainings, seminars, presentations, guest lectures by expert and distinguished personalities and delegates of foreign universities.

ABOUT CENTRE FOR ADVANCED MANUFACTURING

The Centre for Advanced Manufacturing (CAM) is a state of art facility with an excellent opportunity to build a strong platform on the field of advanced and additive manufacturing. The four main focus areas proposed in the research activities of the Center are:

1. Additive Manufacturing
2. Reverse Engineering/CAD/CAM/CAE/CFD
3. Materials Manufacturing and Processing
4. Robotics

The research activities of the Center encompass considerations of Sustainability, Advanced Technological Developments, Basic Research and Industrial Involvement. The activities of CAM are led by a team of internationally respected academics backed up by high performing and dedicated researchers and technicians. Much of our research is published in high quality journals and is also valued by industry across many sectors including aerospace, medical devices, automotive, consumer products etc.

ABOUT THE SEMINAR

3D Printing Technique is considered as a smart developed manufacturing technique based on adding materials layer by layer for making three-dimensional parts directly through using Computer Aided Design (CAD) models. After more research and development, 3D Printing has become capable of producing complex net shaped in materials such as metals, ceramics, and composites which can be used in applicable parts.

The seminar will be organized as a series of lectures and demonstrations on the state of art design and processing of composite materials including metal, ceramic, polymer and Bio-composites for 3D Printing. Lecturers by Eminent Professors from IIT, CLRI, Anna University will provide their latest insights and efforts regarding the challenges faced in manufacturing techniques of Composites for 3D Printing.

Seminar Topics:

- Composites for 3D Printing – Opportunities, Challenges & Future
- Manufacturing Techniques for Metal, Polymer & Ceramic Composites for 3D Printing
- Characterization and Testing Techniques for Composites
- Role Of Nano Composites in 3D Printing
- Manufacturing Techniques for Advanced Composites for Bone Scaffold and Medical Implants.

REGISTRATION FEE

Category	Registration Fee
UG and PG Students	Rs. 500
Faculty & Research Scholars	Rs. 750
Industry	Rs.1000

IMPORTANT DATES

Last date for submission of Application : 12.02.2018
Intimation of Selection : 15.02.2018
Last date for Payment of Registration Fee : 18.02.2018

MODE OF PAYMENT

The registration fee should be paid by Demand Draft from any Nationalized Bank drawn in the favour of **"The Principal, Rajalakshmi Institute of Technology"**, Payable at Chennai or through **IMPS/NEFT/RTGS** transaction to the following Account number

Account Number	:	6076000100007337
Name of the Bank & Branch	:	PUNJAB NATIONAL BANK, IRUNGATTUKOTTAI Branch
IFSC Code	:	PUNB0607600
Account Name	:	Rajalakshmi Institute of Technology - Research Unit

Accommodation will be provided on prior request at nominal rates.

Register online at

<https://sites.google.com/ritchennai.edu.in/3d-printing/home>