

## Schedule for Day-1

### Inaugural and Keynote Address

**Dr. J. John Rozario Jegaraj** SC G , Technology  
Director ,DPE&P,DRDL

09:30AM - 11:30AM

Additive Manufacturing Applications in Aerospace  
Hardware

11:30AM - 11:45AM - BREAK

**Dr. Bikramjit Podder** SC G,CAS,DRDO

11:45AM - 01:15PM

High Pressure Cooling Assisted Machining of  
Advanced Aerospace Materials

1:15PM - 2:00PM - LUNCH

**Dr. S. Rajesh Kumar** Scientist 'F', ASL

02:00PM - 3:30PM

Development of High Performance Materials

03:00PM - 03:15PM - BREAK

**Prof. A. Krishnaiah** Dean, Faculty of  
Engineering, OU

03:15PM - 04:15PM

Nano Technology Applications in Aerospace

**Y.L.V Durgaprasad** TOB, ASL

04:15PM - 05:15PM

Non-Destructive Testing Methods on Fiber  
Reinforced Composite Components.

**Participation Fee- ₹500**

REGISTRATION DATE FROM:

01/12/2025

FOR PAYMENT USE QR CODE OR  
ACCOUNT DETAILS GIVEN BELOW

Name: The Head, Dept. Of Mech.Engg, UCE(A), OU  
A/rc No: 62102 171639  
SBI, OU Branch,  
IFSC: SBIN0020071

For payments



## Schedule for Day-2

**Dr.K Ramesh Kumar** SC G,Executive Director  
(Retd.)BRAHMOS,Aerospace

10:00AM - 11:30AM

Advanced Manufacturing Technologies (BRAHMOS  
Missile)

11:30AM - 11:45AM - BREAK

**Dr. G Gopi** Scientist F, DRDL

11:45AM - 01:15PM

Metal Forming Processes for Aerospace Application

1:00PM - 2:00PM - LUNCH

**Prof.Suresh Kurra** BITS Hyd

02:00PM - 03:30PM

Incremental Forming :A Digital Approach to Sheet  
Metal Prototyping

03:00PM - 03:15PM - BREAK

**Dr. S.S. Satheesh Kumar** Scientist 'F', DMRL

03:15PM - 04:30PM

Manufacturing of Critical Aerospace Components

**Prof. B. Hadya** HOD, MED, UCE, OU

04:30PM - 05:15PM

Research Methods and Experimental Techniques

**Valedictory**

### Address for correspondence

#### Convenor:

**Dr. G. Venkateshwarlu**, 9440154984

venkateshwarlu.g@uceou.edu

Department of Mechanical Engineering,  
University College of Engineering (A), Osmania  
University

Hyderabad, Telangana-500007



## Two-Day National Seminar on

# Advanced Aerospace Manufacturing Technologies

**18 - 19 December, 2025**



Organized by

**DEPARTMENT OF MECHANICAL  
ENGINEERING**

(Supported by RUSA 2.0 Osmania University)

University College of Engineering (Autonomous)  
Osmania University, Hyderabad, Telangana.  
(University with potential for Excellence &  
Reaccredited with "A+" Grade by NAAC)

Venue: Seminar Hall, MED, UCE, OU

## ABOUT THE ORGANIZING DEPARTMENT:

(86 years of Glorious service to the Nation)

The Department of Mechanical Engineering was established in the year 1939, since then it has grown significantly by offering U.G, P.G and Doctoral degree courses. It has celebrated Platinum Jubilee year in 2014. As a part of centenary celebration of the Osmania University during 2017-18, various workshops/seminars/ conferences were conducted. It is equipped with state of the art equipment, infrastructure and research facilities like CPDDAM, CET and CERAC. The Department receives research and modernization grants from UGC, MHRD, AICTE and DRDO. Till date 263 Ph.Ds were awarded by the Department. It also encourages students to participate in various competitions like SAE BAJA & GO-KART etc.

### UNIVERSITY COLLEGE OF ENGINEERING (AUTONOMOUS)

University College of Engineering (UCE) established in the year 1929 and has the distinction of being the oldest and the biggest among the Engineering Colleges in the county. The college was declared autonomous by the University in 1994 and by UGC in 2010. The University's accreditation by NAAC with A+ grade and college. The institution has received IOS 9001:2015, 14001:2015 and 5001:2018 certification in 2023. Over the years, the Engineering college has maintained a reputation of imparting excellence in Engineering education along with co curricular and extra curriculum activities. It is part of elite group of institutes selected for funding from World Bank under TEQIP schemes. College has established three centers of excellences namely. Centre Product Design, Development and Additive Manufacturing (CPDDAM), Cyber Security and Cyber Law.

### OSMANIA UNIVERSITY

Established in 1917, Osmania University is the 7<sup>th</sup> oldest university in the country. It is one of the premier institutions of higher learning epitomizing the national agenda for higher education. The University has been reaccredited with "A+" Grade by NAAC and is recognized by UGC. MHRD as a University with Potential for Excellence (UPE) in recognition of its overall performance and contributions to the advancements of technical knowledge. Also Osmania University has been selected for funding under RUSA 2.0 program of the MHRD, Government of India

## ABOUT THE SEMINAR

The 2-Day National Seminar on Advanced Aerospace Manufacturing Technologies is a distinguished forum of **researchers, industry** and **academicians** to share their ideas on the new advances in Aerospace Engineering and other allied fields. The seminar would present expert presentations on additive manufacturing, high precision machining, high performance materials, application of nanotechnologies, and modern Aerospace systems testing methods. The seminar will highlight technological innovation and practical implementation in the Aerospace manufacturing ecosystem through insights from expert scientists and experienced practitioners. Through presentations and active participation, the participants will acquire an understanding of the latest research trends, industrial issues and the changing requirements of Aerospace production. Participants of the seminar will also foster an environment that allows the exchange of knowledge, networking, and more. Overall, the initiative is designed to build strong research-industry linkage and cultivate academic expertise to drive technological excellence in aerospace engineering. The initiative aims to strengthen the connections between research, industry and nurture academic knowledge to give technological excellence in Aerospace manufacturing.

**(Participants: Faculty, Research scholars and Industry personnel's from Mechanical, Aerospace and other allied fields)**

### Organising Committee Members

Prof. P. Laxminarayana  
Prof. A. Krishnaiah  
Prof. P. Usha Sri  
Prof. Rega Rajendra  
Prof. M. Chandra Shekar Reddy  
Prof. Narshimulu Sanke  
Prof. L. Siva Rama Krishna  
Prof. G. Narendar  
Prof. V. Uma Maheshwar

Prof. T. Nagaveni  
Dr. M.V. Ramana Murthy  
Dr. E. Madhusudhan Raju  
Dr. T.S.R.V. Padmalatha  
Dr. K. Buschaiah  
Dr. K.L. Uday Kiran  
Dr. K. Venkateshwarulu  
Dr. U. Ashok Kumar  
Dr. M. Prakash

### CHIEF PATRON

**Sr. Prof. Kumar Molugaram**

Honourable Vice-Chancellor  
Osmania University

### PATRONS

**Prof. G. Naresh Reddy**

Registrar, Osmania University

**Sr. Prof. A. Krishnaiah**

Dean, Faculty of Engineering, Osmania University

**Prof. P. Chandrasekhar**

Principal, University College of Engineering (A),  
Osmania University

**Dr. J. John Rozario Jegaraj**

SC G,  
Technology Director, DPE&P, DRDL

### CHAIR PERSON

**Prof. B. Hadya**

Head, Department of Mechanical Engineering,  
University College of Engineering (A),  
Osmania University

### ORGANISING SECRETARY

**Prof. K. Saraswathamma**

Department of Mechanical Engineering,  
University College of Engineering (A),  
Osmania University

### CONVENOR

**Dr. G. Venkateshwarlu**

Asst. Professor (C)  
Department of Mechanical Engineering,  
UCE (A), Osmania University