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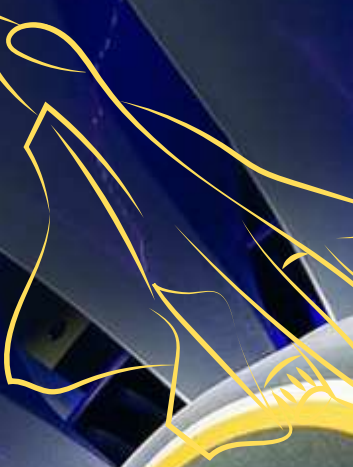
Rashtreeya Sikshana Samithi Trust

R V College of Engineering®

R V Vidyanikethan Post, Mysuru Road, Bengaluru - 560 059



Five-Day Workshop
on

MAINTENANCE, REPAIR, AND OVERHAULING OF AIRCRAFTS/HELICOPTERS

16th May to 20th May 2023
9.30 A.M - 4.30 P.M

Information Science & Engg Seminar Hall

Organised by
Department of Aerospace Engineering, RVCE

Sponsor- M/s Sunshine Measurements Pvt Ltd.

About R V College of Engineering

RV College of Engineering (RVCE) established in 1963 is one of the earliest self-financing engineering colleges in the country. Today RVCE offers 15 Under Graduate Engineering programs, 14 Master's Degree programs and Doctoral Studies. Rated one amongst the top ten self-financing Engineering Institutions in the country offering quality technical education.

About the Aerospace Engineering Department

The Department was started in the year 2015 to offer UG program in Aerospace Engineering. Imparting quality education with emphasis on research, sustainable technologies and entrepreneurship for societal symbiosis has been the primary motive of the program. The Department's main objective is to create expertise in specialized areas in aerospace engineering such as aerodynamics, structural design, propulsion systems & control systems with focus on research and innovation.

Department Vision

Emerge as a centre of excellence in Aerospace Engineering, Imparting Quality Technical Education, Interdisciplinary Research & Innovation with a focus on Societal empowerment through Sustainable & Inclusive Technologies.

Department Mission

- Imparting Quality Technical Knowledge in Basic & Applied areas of Aerospace Engineering incorporating the principles of Outcome Based Education.
- Provide state-of-the-art laboratories and infrastructure facilities, conducive to motivate Interdisciplinary Research and Innovation in Aerospace Engineering.
- Develop self-motivated engineers with a blend of Discipline, Integrity, Engineering Ethics and Social Responsibility.
- Strengthening collaboration with industries, research organizations and institutes for Internships, Joint Research and Consultancy.
- Focus towards Integrating Sustainable and Inclusive Technologies for Societal Symbiosis.

Program Educational Objectives (PEOs)

- To provide opportunities for successful professional career with a sound fundamental knowledge in Mathematics, Physical Science & Aerospace Engineering.
- Motivate innovative research in specialized areas of Aerospace Engineering viz Aerospace structural design, Aerodynamics, Aerospace Propulsion and Guidance & Control systems.
- Promoting development of problem solving abilities by adopting analytical, numerical and experimental skills with awareness on societal impact.
- Imbibing sound communication skills, team working ability, professional ethics and zeal for lifelong learning.

Program Specific Objectives (PSOs)

- Utilization of the fundamental knowledge and skills of Aerospace Engineering to develop pragmatic solutions for complex Aerospace Engineering problems.
- Apply Professional Engineering practices and strategies in the development of systems and subsystems for Aerospace Applications.
- Exhibit Effective Communication skills and a Zeal to function with multi-disciplinary teams
- Demonstrate Professional Ethics and Responsibilities in Engineering practices towards the achievement of societal symbiosis.

About the Faculty Development Program (FDP)

"Maintenance, Repair, and Overhaul (MRO)" of aircrafts and helicopters is a comprehensive process that involves a range of activities to ensure that aircraft and helicopters are maintained in optimal condition and comply with relevant regulations. They are crucial for ensuring the safety, reliability, and airworthiness of these vehicles. Workshop on MRO of aircrafts and helicopters provides numerous benefits to students who are interested in pursuing careers in the aviation industry or related fields. This workshop specifics about the comprehensive inspection, planning, execution, testing, and documentation process. Technical experts from various organizations are invited to share their experience in the field of MRO which will provide insights to the students to identify potential issues, maintain optimal performance, and comply with regulations. The workshop offers technical sessions and instruction on cutting-edge technologies that can help students comprehend the content matter deeper. Certified maintenance technicians with in-depth knowledge and training in aircraft maintenance typically perform the process. An industrial visit to HAL Helicopter Division/MRO is also planned as a component of the workshop to give the students real-time insight into the MRO of helicopters. The major objectives of the MRO workshop would be as stated hereunder:

- *Highlight the basic framework of MRO activities that is a fundamentally important part of the aerospace industry*
- *Understand the major processes and operational model of MRO for aircrafts and helicopters*
- *Get a closer look at the activities performed by MRO services.*
- *Significance of MRO in supporting the current and future value of the aircraft by minimizing the physical decline of the aircraft and engines throughout its life.*
- *Documentation and certificationspects involved in MRO*

For Payment, use the link *https://rzp.io/l/hsft333ud* **For Students- Rs 590/- (Incl. of 18% GST)**

After payment, kindly register using the link below

https://docs.google.com/forms/d/e/1FAIpQLSfxbFvT-VSN3biZPDWAnENUs_iJcpPAJOOuWwpbbNFOsXGVgw/viewform?vc=0&c=0&w=1&flr=0

Resource Persons

Sri. A Srinivasa
AGM (Rtd)
Hindustan Aeronautics Limited &
BEML-Aerospace, Bengaluru

Wg. Cdr. (Rtd) Sekar Anupindi
General Manager
ASBD, BEML Aerospace
Bengaluru

Wg. Cdr Sudheer
TC, AFS, Yelahanka, Bengaluru

Sri M Sajath Kumar
Scientist-E
Aeronautical Development Agency ADA
Defence Research & Development Organization
DRDO,
Bengaluru

Chief Patrons
Dr. M P Shyam, President, RSST
Dr. A V S Murthy, Hon. Secretary, RSST
Sri. D P Nagraj, Joint Secretary, RSST

Patrons
Dr. K N Subramanya, Principal, RVCE
Dr. K S Geetha, Vice-Principal, RVCE

Convenor
Dr. Ravindra S Kulkarni, Prof & Head, Dept of Aerospace Engg, RVCE

Dr R Supreeth
Associate Professor
Dept of Aerospace Engineering, RVCE
+91-9980844119
supreethr@rvce.edu.in

Prof Srinath R
Assistant Professor
Dept of Aerospace Engineering, RVCE
+91-7349193935
srinathr@rvce.edu.in