



V. V. Sangha's

Rao Bahadur Y Mahabaleswarappa Engineering College, Ballari

(Affiliated to VTU, Belagavi | Accredited by NAAC)

EVENT REPORT

Invited Talk on

“Research Directions in Aerospace Design, Proposal Writing & Funding Opportunities”

Date: 12th April 2026

Venue: Placement Hall, RYMEC, Ballari

Organized By

Research & Development Cell (R&D)

Internal Quality Assurance Cell (IQAC)

IEEE RYMEC STUDENT BRANCH-STB99412

Coordinators

Dr. Veerabhadrappe Algur

Dean – R&D

Dr. Basavaraj K

R&D- Coordinator

Dr. P.M. Pampapathi

R&D- Coordinator

Dr. Balaraj V

R&D- Member

Mr. U. Shantha Kumar

R&D- Member

1. Name of the Activity

Invited Talk on: “**Research Directions in Aerospace Design, Proposal Writing & Funding Opportunities**”

2. Organizing Unit

Research & Development Cell (R&D), RYMEC

In association with

Internal Quality Assurance Cell &

IEEE RYMEC Student Branch (STB99412)

3. Date & Venue

12th April 2026, CSE Seminar Hall, RYMEC, Ballari

4. Resource Persons

- Dr. Virupaxi Auradi, Professor & Head, SIT Tumkur
- Dr. Madeva Nagaral, Manager (Design), ARDC, HAL Bangalore

5. Participants

Total: ~50 (Faculty + Students)

6. Objectives of the Activity

1. To understand research directions in aerospace engineering
2. To develop skills in research proposal writing
3. To create awareness about funding opportunities
4. To promote innovation and research culture

7. Course Outcomes (COs)

CO1: Understand emerging research areas in aerospace design

CO2: Develop skills for writing effective research proposals

CO3: Gain knowledge about funding agencies and project opportunities

CO4: Enhance research aptitude and innovation skills

8. CO–PO Mapping

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	-	2	-	-	-	-	-	-	-	2
CO2	2	3	2	3	-	-	-	-	2	3	2	3
CO3	2	2	3	2	-	-	-	-	2	2	3	3
CO4	2	2	3	3	2	-	-	-	2	2	2	3

Legend:

3 – High correlation, 2 – Moderate correlation, 1 – Low correlation, “-” – No correlation

9. Justification of CO–PO Mapping

1. **PO1 (Engineering Knowledge):** Understanding aerospace research concepts
2. **PO2 (Problem Analysis):** Identifying research problems and solutions
3. **PO3 (Design/Development):** Proposal writing and research design
4. **PO4 (Investigation):** Research methodology and experimentation
5. **PO5 (Modern Tools):** Exposure to advanced aerospace tools and practices
6. **PO9 (Team Work):** Interaction during sessions and discussions
7. **PO10 (Communication):** Proposal writing and presentation skills
8. **PO11 (Project Management):** Understanding funding and project execution
9. **PO12 (Lifelong Learning):** Motivation towards continuous research

10. Outcomes of the Activity

1. Enhanced research awareness among students and faculty
2. Improved proposal writing skills
3. Exposure to aerospace industry research
4. Encouragement for funded research projects

11. Impact of the Activity

The event created significant awareness among faculty and students regarding research proposal development and funding opportunities. It encouraged participants to actively engage in research activities, interdisciplinary projects, and industry collaboration. Faculty members were motivated to submit funded proposals, and students showed increased interest in research and higher studies.

12. About the Event

The Research & Development Cell of Rao Bahadur Y Mahabaleswarappa Engineering College (RYMEC), Ballari, in association with the IEEE RYMEC Student Branch, successfully organized an invited talk on “Research Directions in Aerospace Design, Proposal Writing & Funding Opportunities” on 12th April 2026 at the CSE Seminar Hall. The event aimed to strengthen the research ecosystem within the institution by providing valuable insights into emerging research domains and effective proposal writing techniques. It brought together experienced academicians and industry experts to guide faculty members, research scholars, and students on how to identify research problems, design impactful studies, and secure funding from reputed agencies.

The program featured two eminent resource persons. Dr. Virupaxi Auradi shared his expertise on structuring research proposals, highlighting key elements such as problem formulation, methodology, expected outcomes, and alignment with funding agency requirements. His session provided practical guidance and real-world examples, making it highly beneficial for participants aspiring to undertake funded research.

Dr. Madeva Nagaral delivered an engaging talk focusing on aerospace design and industry-driven research. He elaborated on current developments in aerospace projects at HAL and emphasized the importance of collaboration between academia and industry. His session motivated participants to explore applied research and innovation with real-world impact.

The event witnessed enthusiastic participation from faculty members, research scholars, and students, creating a vibrant academic environment. The interactive sessions allowed participants to clarify their doubts and gain deeper understanding of research practices.

Overall, the invited talk was highly informative and inspiring. It not only enhanced awareness about research and funding opportunities but also encouraged participants to actively engage in innovative and interdisciplinary research activities.

Coordinators

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Geo-tagged Photographs (Glimpses of the Event)





