



MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution – UGC, Govt. of India)

(Affiliated to JNTU, Hyderabad, Approved by AICTE - Accredited by NBA & NAAC – 'A' Grade - ISO 9001:2015 Certified)
Maisammaguda, Dhulapally (Post Via. Kompally), Secunderabad – 500100, Telangana State, India.

Department of Aeronautical Engineering

HoD - Profile

Name: M.N.V.S. Swetha Bala

Designation: Assoc. Prof & Head of the Department, Aeronautical Engineering

Employee ID: MRCETANE0002

JNTUH Unique ID: 0705-160224-112716

Qualification: B. Tech (Aeronautical engineering)

M. Tech (Aerospace Engineering)

Experience: 12.5 years.

Areas of Specialization: Aero Dynamics, Engineering Drawing, Computational Fluid Dynamics, Low subsonic speed Aerodynamics

Significant Achievements:

- Editorial Board member/peer review committee member for Global Research and Development Journal for Engineering (GRDJE)
- Chairman for Board of Studies, Aeronautical Engineering, MRCET
- SAE – MRCET KRT Club initiation
- SAE – MRCET Collegiate club formation
- NBA Accreditation team lead

Publications

8 technical paper publications at various International conferences, journals and National conferences

Major Publications

- **Numerical Analysis of Wings for UAV based on High – Lift Airfoils**, Sachin Srivastava and Swetha Bala Gurram, Volume 5 Issue 3 June 2015 ISSN:2319_1058, International Journal of Innovations in Engineering and Technology.
- **A Development scheme for MAV Mimicking the Insect Flight**, Sarwade A.G, Swetha Bala MNVS, Dr. Karthikeyan T.V, Dr. Balu. G, pg:410-413, ISBN No: 9789351071693, ICRAMAV – 2013, JNTUH
- **Polymer Matrix Material for Aerospace Applications**, Rambabu Mokati, Yugender.M and Swetha Bala MNVS, IJERMT, pg:34-41, Vol.5 Issue 7, ISSN: 2278-9359



Workshops and Training courses:

1. Technical teacher training course by National Institute of Technical Teacher training, level 1 and level 2 modules
2. Introduction to Research Methodologies by IIT Mumbai
3. Engineering Thermodynamics by IIT Mumbai
4. Faculty Development Program on Effective Teaching Methodologies
5. Workshop on Computational Fluid Dynamics
6. Workshop on Aviation Management
7. FDP program on FEMM Techniques

Events organized:

1. SAE Tier II Competitions- Southern Region, Dec 2016
2. International Conferences on Emerging Trends in Mechanical Sciences: 2015,2016
3. National Conference on Aerospace Engineering: 2009, 2010
4. ICCSPIT - 2012
5. Aero modeling Workshops
6. Techno – Cultural Fest - AeroDyne

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