

# Mr. Pidaparthi Mahesh

## Babu



**Designation** : Assistant Professor,  
Dept. of Mech  
Engg/CEER

**Qualification** : M. Tech ,(Ph.D)

**Experience** : 9.5 Years

**Specialization** : Machine Design

**PhoneNumber** : +919966785688

**Email-Id** : [maheshbabu.1045@gmail.com](mailto:maheshbabu.1045@gmail.com)

**ORCIDiD** : 0000-0002-7975-7983 [Link](#)

### Educational Qualification

- Pursuing Ph.D. (Part time) in Mechanical Engineering from Annamalai University, Chidambaram, India. Since August 2019.
- M.Tech (Machine Design) in December 2015 from JNTU, Kakinada.
- B.Tech (Mechanical Engineering) in April 2011 from Acharya Nagarjuna University, Guntur.

### Teaching Experience:

- Working as Assistant Professor in the Department of Mechanical Engineering in **CMR College of Engineering & Technology (Autonomous)** Hyderabad since 1<sup>st</sup> July 2015.
- Worked as Assistant Professor in Department of Mechanical Engineering in **NRI Institute of Technology**, Guntur from June 2012 to December 2012.
- Worked as Assistant Professor of Mechanical Engineering in Department of Mechanical Engineering in **Amara Institute of Engineering & Technology**, Narsaraopet from July 2011 to May 2012.

### **AREAOF INTREST:**

Composite Materials  
Nano Materials  
Fabrication of materials  
Finite Element Analysis

## **Subjects Handled:**

- Design of Machine Members-I, Design of Machine Members-II, Engineering Graphics (Drawing), Fluid Mechanics & Hydraulic Machinery, Finite Element methods, Robotics.

## **Positions Held:**

- Class Teacher & Student Counsellor
- Member of **Centre for Engineering Education and Research (CEER)**
- NSS (National Service Scheme) Coordinator for Mechanical Department

## **Achievements/Publications/Seminars/Guest lectures/Workshops:**

### **Achievements**

1. Successfully completed IUCEE International Engineering Educator Certification program Phase-I held in April 2019.
2. NPTEL Online Certification: Successfully Completed in the Course "**Manufacturing of Composites**" (August –September 2018, 08 week course) conducted by IIT Kanpur.
3. AUTODESK® Certified User in FUSION 360®.
4. Successfully completed one week Faculty Development program on "ICT TOOLS" in association with STP-IIT Bombay, during March 2020 with score 100% organized by the Department of Information Technology, SVEC, Tirupati.

### **Publications in Journals**

1. P.Mahesh babu et al., "**Design and Analysis of Solid Rocket Motor Casing for Aerospace Applications**", International Journal of Current Engineering and Technology, Vol.5, No.3 (2015) pp.1947-1954. E ISSN : 2277-4106. [Link](#)
2. P.Mahesh Babu et al, "**Design & Analysis of swing arm using Carbon fiber composites**", in 3rd International Conference on Innovations in Mechanical Engineering paper is Published Springer Recent Trends in Mechanical Engineering pp 531-544.

### **Presentations in National /International Conferences:**

1. P.Mahesh Babu et al, "**Design & Analysis of a Butt Joint using Friction Stir Welding**", in National Conference on Advances in Mechanical Engineering held on 5<sup>th</sup> & 6<sup>th</sup> April, 2013 at Vignan University, Guntur.
2. P.Mahesh Babu et al, "**Design & Analysis of swing arm using Carbon fiber composites**", in 3rd International Conference on Innovations in Mechanical

Engineering held on 10<sup>th</sup> & 11<sup>th</sup> January, 2020 at Gurunanak Group of Institutions, Hyderabad.

3. P.Mahesh Babu et al,“**Design and Analysis of Solid Rocket Motor Casing Made of Composite Materials using Creo 3.0 and Ansys**”, in the Virtual ‘International Conferences on Recent Advances in Manufacturing Engineering Research (ICRAMER 2021)’,Organised by Department of Mechanical Engineering,SRM Institute of Science and Technology, Kattankulathur,Tamil Nadu, India During April 15-16,2021.

**Workshops/FDP'S Attended:**

1. Attended One Week Faculty Development Program on ' "ICT TOOLS" in association with STP-IIT Bombay, held during 11.05.2020 to 16.05.2020 organized by Department of Information Technology at SreeVidyanikethan Engineering College,Tirupati.
2. Attended One Day online workshop on ' "Research Scopes in Composite Materials" held during 14-05-2020 organized by Department of Mechanical engineering at Chennai Institute of Technology,Chennai.
3. Attended One Week Faculty Development Program on' "Webinar series" held during 27.04.2020 to 01.05.2020 organized by Department of Aeronautical Engineering at Excel Engineering college.
4. Attended 2-days Workshop on' "Rural Community Engagement and Rural Immersion under Bharat Abhiyan" held during 15th & 16th July 2019 in collaboration with Mahatma National Council of Rural education, jointly organized by Department of Higher Education,MHRD,Government of India,Hyderabad and Center For Engineering EducationResearch.
5. Attended One Week Faculty Development Program on' "Product Design Engineering using Fusion 360" held during 29.04.2019 to 03.05.2019 organized by Department of Mechanical Engineering at Vardhaman College of Engineering,Hyderabad.
6. Attended One Week short term Training Program on “3D Printing in Modern Engineering” held during 22<sup>nd</sup> – 26<sup>th</sup> April 2019 ,organized by Department of Mechanical Engineering, IcfaiTech, Faculty of Science and Technology IFHE (Deemed-to-be University), Hyderabad.
7. Participated in One Day IUCEE-EPICS Orientation Workshop on 4<sup>th</sup> February 2019 at CMR College of Engineering &Technology, Hyderabad.
8. Attended Two Week Faculty Development Program on “Computer Aided Design And Analysis” held during 04<sup>th</sup> -18<sup>th</sup> June 2018, organized by Department of Mechanical Engineering, CMR College of Engineering & Technology,Hyderabad.
9. Attended 3 Day Faculty Development Workshop on “Design the Thinking” held during 13<sup>th</sup> -15<sup>th</sup> October 2018 at Fintech Design Center,Siruseri,Chennai.
10. Participated in A Symposium on “Emerging Technologies and Manufacturing Industries”

held on May 5, 2018 at UGC Auditorium, JNTUH, Kukatpally Hyderabad Organized by Awareness inAction.

11. Attended One Week Faculty Development Program on " Design of Machine Elements" held at the CMR Institute of Technology, Hyderabad from 7th to 14th February,2018 Organized by Department of MechanicalEngineering.
12. Attended Two Week Faculty Development Program on "Recent Advances in Design and Development of Mechatronics & Robotic Systems" held during 4<sup>th</sup>- 16<sup>th</sup> Dec, 2017 being organized by Department of Mechanical Engineering, MGIT,Hyderabad.
13. Participated in Two Days Faculty Development Programme held on 10<sup>th</sup> and 11<sup>th</sup> August 2017 at Hyderabad, Organised by CII (Confederation Of Indian Industry) Telangana in Association with Involute Automation(P) Ltd. Jeedimetla,Hyderabad.
14. Attended One Week Faculty Development Program on "Engineering Graphics" held during 24<sup>th</sup> -29<sup>th</sup> July 2017, organized by Department of Mechanical Engineering, CMR College of Engineering & Technology, Hyderabad.
15. Attended Two Week Faculty Development Program on "Current Trends in Materials & Manufacturing" held during 15<sup>th</sup> -27<sup>th</sup> May 2017, organized by Department of Mechanical Engineering, CMR College of Engineering & Technology, Hyderabad.
16. Participated in six day Faculty Development Programme on "Hyper-Works & Computational Fluid Dynamics". From 5<sup>th</sup> to 10<sup>th</sup> December 2016 at St.Martin's Engineering College,Hyderabad.
17. Participated in One Week Faculty Development Programme on "Teaching Methodologies". From 28<sup>th</sup> November to 3<sup>rd</sup> December 2016 at in CMR College of Engineering & Technology,Hyderabad.
18. Participated in One Week Staff Development Programme on "Recent Advances In Mechanical Engineering" in LakireddyBalreddy College of Engineering (Autonomous), Mylavaram, From 26<sup>th</sup> to 30<sup>th</sup> December2014.
19. Participated in the workshop on "Current Trends in Advanced Manufacturing Processes" held at PVP Siddhartha Institute of Technology (Autonomous), Vijayawada, From 22-23<sup>rd</sup> November2013
20. Participated in the International workshop on "Advanced & Integrated Energy Systems and Energy Conservation" held at Vignan University, From 29<sup>th</sup>&30<sup>th</sup>July,2013.
21. Participated in Two Week Staff Development Programme on "Machine Condition Monitoring And Fault Diagnostics" in VR Siddhartha Engineering College (Autonomous), Vijayawada, From 25<sup>th</sup> June – 07<sup>th</sup> July2012.

### **Memberships in Professional societies**

1. Life Time member of International Association of Engineers(M200585)

2. Member of International Society for Research and Development (ISRD)  
(M4150904454 )



