

# Mr. DASARI AJAY

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**Designation** : Associate Professor,  
Dept. of Mech.Engg.

**Qualification** : M.E (CAD/CAM), (Ph.D)

**Experience** : 15 Years

**Specialization** : CAD/CAM

**Date of Joining** : 16/06/2006

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**Researcher ID** : [M-3638-2017](https://orcid.org/M-3638-2017) [Link](#)

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## Educational Qualifications

- Pursuing Ph.D. (Part time) in Mechanical Engineering from Osmania University, Hyderabad, India since February 2017.
- Master of Engineering (CAD/CAM) from Osmania University, Hyderabad in 2006.
- Bachelor of Technology in Production Engineering from JNTU Hyderabad in 2001.

## Job Experience:

- Presently working as **Associate Professor** in CMR College of Engineering & Technology, Hyderabad from the past 13 years (June 2006 to till date).

## Subjects Handled:

- Engineering Mechanics, Mechanics of solids, Engineering Graphics (Drawing), CAD/CAM, Finite Element methods, Robotics, Automobile Engineering, Production technology, Engineering Exploration & practice, Introduction to social innovation, Social innovation in practice.

### **Positions Held:**

- Alumni coordinator for Mechanical Department
- Established CAD/CAM Lab and In charge of CAD/CAM Lab
- Training & Placement Coordinator for Mechanical Department
- NBA (National Board of Accreditation) Coordinator for Mechanical Department
- Class Teacher & Student Counsellor
- EPICS (Engineering projects in community service) coordinator.
- Member of Centre for Engineering Education and Research(CEER)

### **Achievements/publications/seminars/guest lectures/workshops**

#### **Achievements**

1. Successfully completed IUCEE International Engineering Educator Certification program held from July 2018- January 2019.
2. NPTEL Online Certified (ELITE) in the subject ‘Manufacturing Systems Technology I & II’ (July –October 2018, 12 week course) conducted by IIT Kanpur.
3. NPTEL Online Certified (ELITE) in the subject ‘Manufacturing processes I & II’ (January –April 2018, 12 week course) conducted by IIT Kanpur.
4. Organized ‘Shodhana’, a 3 Day Workshop held during 8<sup>th</sup>-10<sup>th</sup> March 2018 conducted by EPICS-CMR CET.
5. Satisfactorily completed ‘IUCEE-EPICS Design Thinking Course’ under Dr.William Oakes, Instructor, Purdue University,USA, from August 2017- January 2018
6. Qualified Faculty Eligibility Test (FET-2010) conducted by JNTU Hyderabad.

#### **Publications in Journals**

1. D.Ajay, A Vishnu Naga Kumar “Modeling And Analysis Of Constant Mesh Transmission System Along With Casing”, International Journal of Mechanical Engineering and Technology (IJMET) Volume 9, Issue 3, March 2018, pp. 991–1006, (**Scopus Indexed Journal**) [Link](#)
2. D.Ajay, M.S.Ravali, “Optimization of cutting parameters for zirconium boride (ZrB<sub>2</sub>) Using wire cut EDM” International Journal of Applied Engineering Research ISSN 0973-4562 Volume 12, Number 18 (2017) pp.7080-7087 (**Scopus Indexed Journal**) [Link](#)
3. D.Ajay, Dr.M. Ramalinga Reddy, P. Ravi Kumar “Effect of Process parameters on surface roughness in EDM process”, in International Journal of Modern Engineering Research, ISSN: 2249-6645, pp. 67-75. [Link](#)

### **Presentations in International Conferences**

1. D.Ajay et al, “A study on the Scenario of Engineering education in India and its influence on learning styles”, in sixth International Conference on transformations in Engineering education (ICTIEE 2019) on 7<sup>th</sup> and 8<sup>th</sup> January 2019 organized at Malla Reddy Engineering college, Secunderabad.
2. D.Ajay et al , “Teachning and Learning Methodologies: Emerging Trends in 21<sup>st</sup> Century Education”, in sixth International Conference on transformations in Engineering education (ICTIEE 2019) on 7<sup>th</sup> and 8<sup>th</sup> January 2019 organized at Malla Reddy Engineering college, Secunderabad.
3. D.Ajay , P.Ravi Kumar,Dr.G.Krishna Mohana Rao, Dr.M.Ramalinga Reddy “Tool wear in Milling process- A Review” in Proceedings of International Conference on Materials Processing and Characterization (ICMPC2012),P.No.203-207,organized by Department of Mechanical Engineering, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, India from 8<sup>th</sup> -10<sup>th</sup> March 2012.
4. D.Ajay, P.Ravi Kumar, Dr.G.Krishna Mohana Rao “Optimization of metal removal rate in machining of cast iron and copper alloys by end milling” in Proceedings of International Conference technological innovations in Mechanical engineering (TIME 2016),volume 1, P.No. 56-60, organized by Department of Mechanical and Production Engineering, CBIT, Hyderabad.

### **Presentations in National Conferences**

1. D.Ajay, P. Ravi Kumar, Dr.G.Krishna Mohana Rao, M.Sarath Chandra “Experimental evaluation of Tool wear in Milling” in Proceedings of 4<sup>th</sup> National Conference on Advances in Mechanical Engineering (AIM 2013) organized by Vasavi College of Engineering, Ibrahimbagh, Hyderabad, A.P., India from 7<sup>th</sup> - 8<sup>th</sup> November 2013.
2. D.Ajay, P.Ravi Kumar, Dr.G.Krishna Mohana Rao “Surface finish comparison for different metals in milling” in Proceedings of National Conference on role of civil and mechanical engineer in the development of society (RCMS 2K13) P.No.62-67,organized by Malla Reddy Engineering College, Maisammaguda, Secunderabad, A.P, from 20<sup>th</sup> – 21<sup>st</sup> September 2013.
3. D. Ajay, M. Sarath Chandra, P. Ravi Kumar, K.Prashanth Reddy “Performance Characteristics of a Diesel Engine operating with Animal tallow oil blended with Diesel ” in Proceedings of National Conference on Recent trends in Mechanical

- Engineering, organized by Shadan College of Engineering and Technology, Hyderabad, A.P., India from 18<sup>th</sup> October 2012.
4. D.Ajay, P.Ravi Kumar, Dr.M.Ramalinga Reddy, P.Umamaheshwera Reddy, “Study of Shape characteristics of Burnished surfaces” in Proceedings of National Conference on Recent Advances in Mechanical Engineering & technology (RAMET-2011) P.No. 81-88, Organized by Department of Mechanical Engineering, VNRVJIET, Hyderabad from 10<sup>th</sup> -11<sup>th</sup> January 2011.

### **Workshops Attended:**

1. Workshop on **Train the teachers for the mandatory AICTE students Induction Programme** from 25<sup>th</sup> May to 2<sup>nd</sup> June 2019 at CMR College of Engineering & Technology, Hyderabad
2. Attended “Design the Thinking” Faculty Development workshop from 13<sup>th</sup>-15<sup>th</sup> October 2018 at 8012 fin tech design center, conducted by school of design thinking, Siruseri, Chennai.
3. Attended IUCEE International Engineering Educator Workshop (Phase I) held during 12<sup>th</sup>-14<sup>th</sup> July, 2018, at Godavari Institute of Engineering and Technology, Rajahmundry, Andhra Pradesh.
4. Attended Short Term course on Engineering Research Methodology (ERM-2018) held during 18<sup>th</sup> -22<sup>nd</sup> June 2018, Organized by Department of Mechanical Engineering, university college of Engineering (Autonomous), Osmania University, Hyderabad.
5. Attended Two Week Faculty Development Program On “Computer Aided Design and Analysis” held during June 4<sup>th</sup> – 18<sup>th</sup> , 2018, Conducted by Department of Mechanical Engineering, CMR College of Engineering & Technology in association with MECHENGG,Hyderabad.
6. Attended Faculty Development Program On “Engineering Exploration” held during May 14<sup>th</sup> – 18<sup>th</sup> , 2018, Conducted by Centre for Engineering Education Research(CEER), KLE Technological University, Hubballi.
7. Attended One Week Short Term Training Program on Advancements in Thermal Engineering (ATE-2018) held during 19<sup>th</sup> -24<sup>th</sup> February 2018, Organized by Department of Mechanical Engineering, Gokaraju Rangaraju Institute of Engineering & Technology.

8. Attended Fifth International Conference on Transformations in Engineering Education (ICTIEE) 2018 Organized by Thiagarajar College of Engineering, Madurai in Association with Indo-Universal collaboration for Engineering Education (IUCEE) during 8<sup>th</sup> & 9<sup>th</sup> January 2018.
9. Attended One Week Faculty Development Program on Engineering Drawing held during 24<sup>th</sup> -29<sup>th</sup> July 2017, organized by Department of Mechanical Engineering, CMR College of Engineering & Technology, Hyderabad.
10. Attended Two Day Orientation Program on Machine Drawing with AUTOCAD held from 21<sup>st</sup> & 22<sup>nd</sup> May 2017, Organized by Department of Mechanical Engineering, MVSR Engineering College, Hyderabad.
11. 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.
12. Attended One week Faculty Development Programme on Applications of Engineering Graphics in Industries from 19<sup>th</sup>-24<sup>th</sup> December, 2016 , organized by Department of Mechanical Engineering, CMR College of Engineering & Technology, Hyderabad.
13. Attended One Week FDP on Auto Desk Inventor and Fusion 360, CMRCET, 27<sup>th</sup> November 2015 to 3<sup>rd</sup> December 2015, Organized by Department of Mechanical Engineering, CMR College of Engineering & Technology, Hyderabad.
14. Attended One day workshop on choice based credit systems- UGC XII plan guide lines on 11<sup>th</sup> July 2015, Organized by Department of Mechanical Engineering, CMR College of Engineering & Technology, Hyderabad
15. Attended One Day International Seminar on Safety in Association with American Society of Safety Engineers (ASSE) on 20<sup>th</sup> January 2015, Organized by Department of Mechanical Engineering, CMR College of Engineering & Technology, Hyderabad.
16. Attended Faculty Development Programme on Application of CAD tools in Engineering Drawing from 26<sup>th</sup> to 28<sup>th</sup> December 2014, Organized by Department of Mechanical Engineering, CMR College of Engineering & Technology, Hyderabad.

### **Memberships in Professional societies**

1. Life member of Indian Society for Technical Education (ISTE),New Delhi (LM64749)/2009
2. Member of International Society for Research and Development (ISRD) (M4150904195 )
3. Member of International Association of Engineers (IAENG) (Member No.200580)