

PERSONAL PROFILE

UDDANDAPU PRADEEP KUMAR, M.Tech , M.I.S.T.E, (Ph.D)

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CAREER OBJECTIVE:

My goal in teaching is to foster the acquisition of a base of concepts and learning skills to facilitate further learning and thinking. In all of my courses I guide students in the evaluation of evidence, critical thinking, argument development, verbal and written expression, and the application of general principles to novel settings. These competencies will equip students for a broad range of demands in future academic and occupational settings. Of course, I also expect my students to attain a high level of scholarship in specific content areas, especially in graduate courses in which course content is directly relevant to students' careers. To promote the development of general thinking and learning skills, as well as facilitate an understanding of course content, all of my courses are structured around three common themes: an emphasis on psychological research, the development of writing skills and the generation of enthusiasm for scientific inquiry.

PROFESSIONAL SUMMARY:

- **14 years of Teaching experience** in KSRM College of Engineering, Kadapa as Asst.Professor in ME department
- **8 years acted as CAD/CAM Lab In charge** in MED, K.S.R.M.C.E
- Experience in **Programming and Operation of CNC Lathe, Milling, 3D Printing Machines**
- **Acted as I.S.T.E/IEI Department Coordinator**
- Department Library Incharge
- Worked in NAAC and NBA criterias
- Department Time Table In Charge

EDUCATIONAL QUALIFICATIONS:

- **Ph.D** Pursuing in VTU Belgavi, Karnataka
- **M.Tech CAD/CAM** in Under JNTUA university, Anantapuram in “**First class with distinction**” in 2013
- **B.Tech in Mechanical in** under JNTUH, Hyderabad in “**FirstClass**” in 2008

SOFTWARE SKILLS:

CAD : AutoCAD, CREO-4.0, CATIA, 3D Experience, Solid Works
CAM : CNC Train, Del CAM
CAE : Ansys
3D Printing : Cura 5.0,
Packages : MS-Office, Excel

SUBJECTS HANDLED:

- Engineering Drawing
- Computer Aided Machine Drawing
- Fluid Mechanics
- Mechanics of Solids
- CAD/CAM
- Finite Element Methods
- Computer Integrated Manufacturing (P.G)
- Rapid Prototyping (U.G & P.G)
- Geometrical Modelling (U.G & P.G)
- Computer Aided Process Planning (P.G)
- Material Science and Metallurgy
- Metrology and Measurements

LABS HANDLED:

- Engineering Workshop Lab
- Engineering Graphics and Design Lab
- Computer Aided Machine Drawing
- FM&HM Lab
- Manufacturing Technology Lab
- CAD/CAM LAB
- CAE LAB

SKILL DEVELOPMENT COURSES ORGANISED

- Skill Development Course on Product Design & Drafting By CATIA
- Skill Development on Solid works
- Skill Development on CNC Lathe milling with CNC Train software
- Skill Development on CATIA
- Skill Development on 3D printing with CURA Software
- Skill Development Course on AUTOCAD

CONFERENCES

- 1). Presented a paper in conference Titled “Evaluation of Rapid Manufacturing solutions for Improved Knee Implants using FEA At 3 rd International Conference on DSAI 2024 organised by the California State University, IAASSE, LIET and Mother Theresa Institute of Engineering and Technology, India in collaboration with California State University USA, 29 -30 May 2027 in Online Mode.
- 2). Presented a Paper in conference Titled “An Experimental Investigation on combustion Behaviour of Moringa Olefera Biodiesel –Diesel- Carbon Black water Emulsion Blends in Agriculture Diesel Engine “International conference on Advances in Science, Engineering and Technology(ICASET-2021)” Organized by KSEM College of Engineering, Kadapa, Andhra Pradesh on 21 & 22 May 2021.

PUBLICATIONS

- 1). Published Paper in SCI Journal Biomass Conversion and Biorefinery Titled “Novel Spinifex littoreus fibre and sugarcane biosilica on Mechanical, Wear, time dependent and water adsorption behavior of epoxy structural composite on 12 April 2022
- 2). Published a Paper on Scopus Indexed Journal Titled “Design and Analysis of New Pitch angle controller for enhancing the performance of Wind Turbine coupled with PMSG” Material Today Proceedings Published on 30 November 2021
- 2). Published a Paper on Scopus indexed journal Titled “optimization of Drilling parameters for self lubricants Reinforced Aluminum Metal Matrix composites” Materials Today Proceedings Published on 24 November 2021
- 3). Experimental Investigation of Optimizing En8 and En19 steels Using Cryogenic Technique with Ansys Results, Volume 15, Issue 4 (Jul-Aug 2018) PP 44-84, IOSR Journal of Mechanical and Civil Engineering
- 4). Design and Execution of Fixture to Perform slitting operation on feed Gear shift Fork component in Fm2 Milling Machine, VOL 14 , Issue 3, Ver 6, may-jun 2017, IOSR Journal of Mechanical and Civil Engineering
- 5). Impact Analysis on Car Bumper by varying speeds using Materials ABS Plastic and Poly Ether Imide by Finite Element Analysis by solidworks vol, 3, Issue. 1, Jan-Feb 2013 PP 391-395, International Journal of Modern Engineering Research (IJMER)

PATENTS:

- 1). Smart Dust Collecting Servant Robots For Dining Halls Published On 06/08/2021.
- 2). Efficient Design Of Mechatronic Vehicle Braking Systems Published On 2/01/2021.

FDPS ORGANISED

- Acted as Co coordinator for FDP on ATME organized by Department of Mechanical Engineering,KSRMCE On Feb 2024
- Acted as Co Coordinator for fdp on Product development on 3D Experience organized by Apssdc.
- Acted as Co coordinator for fdp on Intellectual Property Rights organized by Department of Mechanical Engineering.ksrmce.

WORKSHOPS/FDPS ATTENDED

1). Has Participated in A Five Day online FDP on “Material Characterization” organized by Department of Mechanical Engineering, Malla Reddy Engineering college, Hyderabad from 02nd July to 06 July 2024.

2).Has Participated in A Five Day FDP on “Numerical and Simulation Tools for Research in Mechanical Engineering” Organsied by the school of Mechanical Engineering (SMEC) VIT-AP Universty, Amaravathi India During 20 and 24 June 2023.

3).Has Participated in AICTE Training and Learning (ATAL) Academy online Elementary FDP on “Sustainable Green Composites: Design, Manufacturing and Characterization” From 09/08/2021 and 13/08/2021 at NIT Meghalaya.

4).Has Participated in Two week online FDP ISTE Approved programme on “Advances in FEA Using ANSYS 2021 R2 From 17 to 27 August 2021

5).Has Attended Elsevier Author Workshop:Fundamentals of Research Article Writing at school of Engineering and technology ,Centurion university on Friday 04 june 2021

6).Has Participated in Online one week Faculty Development Program (FDP) on Online Learning and Assessment system organized by IEI Kalaburagi Local Center ,Kalaburagi from 18-06-202 to 22-06-2020.

7). One week International FDP(online) on "Potential Research Areas in Mechanical Engineering 15 to20 June 2020, Vigan institute of Technology & Science,Yadadri Bhuvanagiri,Telangana

8) one week Online FDP on Online Learning and Assessment, 1 to 5 June 2020, AdithyaInstitute of Technology & Management ,Tekkali, Srikakulam, A.P

9).FDP ON CATIA, 18 to 30 may 2020, APSSDC-online

10.Ten days workshop on research methodology, jan 3 to jan 12 2020, VTU Human ResourceDevelopment Center,center for PG studies,Muddenahali,chikkaballapur,karnataka

11.TEQIP 1.3 Sponsered Five Day Workshop on "Processing and characterization of Metal Matrix Composite, 15 to 19 july 2019, SJC Institutte of technology,chikkaballapur,Karnataka

12.Two Day National level workshop on İnnovatices Techniques in Engineering and Management, 22 and 23 rd March 2019, K.L.M College of Engineering ,KADAPA

13.FIP ON Digital Driven Design and Manufacturing on the 3dx Platform , 2 to 6 th July 2018,Lakireddy Bali Reddy College of Engineering,Vijayawada,A.P

14.One week Refresher Course on "3D Printing Processing and Applications, 16-21 July 2018Brindavan Institute of technology & Science,Kurnool,A.P

15.Four day Faculty Development Program on "PRODUCT DEVELOPMENT ON 3D EXPERIENCE,26 TO 29 NOV 2018, K.S.R.M.C.E KADAPA

16.Three day National Level Seminar on on Industrial Practices of computational Fluid Dynamics, 21 to 23 August 2017, JNTUA,Anantapuram,A.P

17.Hands on Practice on 3D Printing, 1 to 2nd july 2016, Malla Reddy Engineering college,Secunderabad,Telangana

18.FIP ON Autodesk Nastran in CAD, 28 nov to 3 Dec 2016, MITSMaddanapalli,Andra Pradesh