

DITTAKAVI TARUN

Department : Mechanical Engineering
College : Seshadri Rao Gudlavalleru Engineering College
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ACADEMIC QUALIFICATIONS:

- ❖ Ph.D. - Manufacturing Engineering (Pursuing, registered in Dec, 2018)
- ❖ M. Tech. - Mechatronics Engineering
- ❖ B. Tech. - Mechanical Engineering

SPECIALIZATION:

- ❖ Manufacturing Engineering (Ph.D.)
- ❖ Mechatronics Engineering (P.G.)

PROFESSIONAL EXPERIENCE:

Designation	University/College	Period
Asst. Professor	Seshadri Rao Gudlavalleru Engineering College	01.06.2015 to till date

TECHNICAL SKILLS:

Design Software Tools : SOLIDWORKS, NX – CAD, CATIA
Analysis Software Tools : ANSYS, Hyper Mesh, MATLAB
Utility Software Tools : MS Word, Excel, Powerpoint

SUBJECTS HANDLED:

- ❖ Engineering Drawing
- ❖ Computer Aided Engineering Drawing
- ❖ CAD/CAM
- ❖ Robotics
- ❖ 3D Printing Technologies
- ❖ Measurements & Mechatronics
- ❖ Materials Engineering

- ❖ Manufacturing Science

LABORATORIES HANDLED:

- ❖ Engineering Workshop
- ❖ Simulation Lab
- ❖ Computational Methods for Engineers Lab
- ❖ Computer Aided Engineering Analysis Lab
- ❖ Instrumentation Lab
- ❖ Measurements and Mechatronics Lab
- ❖ Materials Lab
- ❖ Modeling & Analysis Lab ((PG Lab)
- ❖ Manufacturing Processes Lab
- ❖ Embedded Systems & Internet of Things Lab

AREAS OF INTERESTS:

- ❖ Exoskeletons, Prosthetics (Bio-Mechanics)
- ❖ Robotics and Mechatronics
- ❖ Composite Materials
- ❖ Additive Manufacturing

PROJECTS GUIDED:

Ph.D.	Post-Graduation	Under Graduation
Nil	Nil	14 + 1* (Guiding)

GRANTS FETCHED:

- ❖ Received a grant of **Rs. 1.10 Lakhs** for the project titled “**Selection of Natural Fiber Reinforced Composite Material for the application of Wind Turbine Blade**” under In – House R & D Scheme, Gudlavalleru Engineering College, Gudlavalleru in the academic year 2018 - 19.

PUBLICATIONS

JOURNALS: 11

- ❖ Published a paper on “**Additive Manufacturing in Medical Applications: A Comprehensive Review**”, International Journal of Research in Aeronautical and Mechanical Engineering, Vol. 12, Issue 6, June 2024, pp. 1 – 5, doi: 10.5281/zenodo.12570529

- ❖ Published a paper on **“Exploring the influence of stacking sequence on the mechanical properties of flax-ramie bi-quadratic layered hybrid epoxy composites”**, Materials Research Express, Vol. 11, No. 6, 27th June 2024, pp. 1 – 15, doi: 10.1088/2053-1591/ad5814. (Scopus and SCIE)
- ❖ Published a paper on **“Design and Analysis of Composite Leaf Spring”**, Journal of Manufacturing Engineering, Vol. 15, Issue 03 (2020), ISSN: 0973-6867, pp: 076 – 083.
- ❖ Published a paper on **“Selection of Natural Fiber Reinforced Composites for Wind Turbine Blades”**, Strad Research Journal, Vol. 10, Issue 10 (2020), ISSN: 0039 – 2049, doi: <https://doi.org/10.37896/sr7.10/013> (UGC Care List 2)
- ❖ Published a paper on **“Evaluation of Coefficient of Thermal Expansion of Zirconium by using Dilatometer & ANSYS”**, Advanced Materials Research, Vol. 1148 (22nd June 2018), ISSN: 1662 – 8985, pp: 128-135.
- ❖ Published a paper on **“Stress Analysis on a Chairless Chair”**, International Journal of Theoretical and Applied Mechanics, Volume 12, Issue 4 (2017), ISSN: 0973-6085, pp: 699-708. (2 Citations)
- ❖ Published a paper on, **“Design and Analysis of Lower Limb Exoskeleton”**, International Journal for Innovative Research in Science and Technology, Volume 3, Issue 12, May 2017, ISSN: 2349-6010, pp: 61-67 (2 Citations)
- ❖ Published a paper on, **“Control Strategy for Prosthetic Leg Using Smart Device”**, International Journal on Cybernetics and Informatics, Volume: 4, Issue: 2, pp: 83-88
- ❖ Published a paper on, **“Kinematic Analysis for Prosthetic Leg Using Virtual Interface”**, International Journal of Applied Engineering Research, Vol: 10, No. 24, April 2015, pp: 20996-20999. (2 Citations)
- ❖ Published a paper on, **“Estimation of Body Segment Weights for Prosthetic Legs Suitable to Indian Amputees”**, International Journal of Applied Engineering Research, Volume: 9 - Issue 20 (2014), pp. 7453-7462. (Scopus Indexed & 4 Citations)
- ❖ Published a paper on **“Flexible Manufacturing System Scheduling by using a Genetic Algorithm”**, International Journal of Current Research and Review, Volume: 4 - Issue 20 (2014), pp. 142-151.

CONFERENCES: 03

- ❖ Presented a paper on, **“Prediction of Motion for a Trans femoral Prosthetic Device using Neural Networks”**, International Conference on Electrical, Electronics, Engineering Trends, Communication, Optimization and Sciences, February 2015, pp: 766-769

- ❖ Presented a paper on, “**Estimation of Joint Positions and Velocities for the Robotic Prosthetic Leg**”, International Conference on Advances in Design and Manufacturing (ICAD&M’ 2014) December 2014, pp.1521-1524.
- ❖ Presented a paper on “**Kinematic Analysis for Prosthesis Leg using Virtual Interface**”, International Conference on Advances in Design and Manufacturing (ICAD&M’ 2014) December 2014, pp. 72-75.

LIST OF PATENTS: 02

- ❖ Published a patent on title “**Next-Generation Aquaculture Management IoT-Powered Advanced Fish Farm Monitoring System**”, in Journal No. 22/2024, on 31.05.2024
- ❖ Registered a design patent on the concept “**Smart Water Bottle**” on 19.06.2023

LIST OF WORKSHOPS ORGANIZED: 12

- ❖ One Week Hand’s on training program on “**3D Printing and Re – Engineering**” organized during 28th August – 2nd September 2023 by Department of Mechanical Engineering, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru.
- ❖ Two Day Workshop on “**Industrial Robotics**” organized during 2nd – 3rd November 2022, by Department of Mechanical Engineering, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru.
- ❖ Two Day Skill Development Program on “**Robotics**” organized during 14th – 15th October 2022, by Department of Mechanical Engineering, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru.
- ❖ Two-Day Hands-on Training on “**Robot Programming using IRc Software**” organized during 16th – 17th September 2022, by Department of Mechanical Engineering, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru.
- ❖ TECHTALK on “**5G Technology, Automation & Career Connect**” organized on 17th September 2022, by Department of Mechanical Engineering, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru.
- ❖ One Day Workshop on “**Pneumatic Technology in Industrial Automation – FESTO Expotainer**” organized on 24th August 2022, by Department of Mechanical Engineering, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru.
- ❖ Two Week Skill Development Program for faculty on “**CATIA**” during 18th to 30th July 2022 organized by Department of Mechanical Engineering in Seshadri Rao Gudlavalleru Engineering College.

- ❖ One Week Online Faculty Development Program on “**Recent Trends in Mechanical Engineering**” organized during 15th – 20th June 2020 by Department of Mechanical Engineering College, Seshadri Rao Knowledge Village, Gudlavalleru.
- ❖ Two Day Student Development Program on “**ARDUINO**” organized during 24th – 25th February 2020 by Department of Mechanical Engineering in Gudlavalleru Engineering College, Seshadri Rao Knowledge Village, Gudlavalleru.
- ❖ Two Day Faculty Development Program on “**MATLAB and Its Applications**” organized during 8th – 9th February 2018 by Department of Mechanical Engineering in Gudlavalleru Engineering College, Seshadri Rao Knowledge Village, Gudlavalleru.
- ❖ One-week Skill Development Program for students on "**ProgeCAD**" organized during 17th to 23rd February 2017 by Department of Mechanical Engineering in association with ASME, IE(I), ISTE and Mechanical Engineering Association, in Gudlavalleru Engineering College, SeshadriRao Knowledge Village, Gudlavalleru.
- ❖ One-week Student Training Program on "**SOLIDWORKS**" organized during 11th to 17th July 2016 by Department of Mechanical Engineering in association with ASME, IE(I), ISTE and Mechanical Engineering Association, in Gudlavalleru Engineering College, SeshadriRao Knowledge Village, Gudlavalleru.

LIST OF WORKSHOPS / SEMINARS ATTENDED: 55

- ❖ Attended One Week Online International Faculty Development Program on “**Advances in Materials and Manufacturing**” organized by Department of Automobile Engineering, VNR Vignana Jyothi Institute of Engineering & Technology, Hyderabad, during 15th July 2024 to 19th July 2024.
- ❖ Attended a Three day online Faculty Development Program on “**Generative AI**” organized by Department of Information Technology, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru, during 26th June 2024 to 28th June 2024.
- ❖ Attended a One Week online Faculty Development Program on “**AI/ML Tools for Advanced Materials, Manufacturing and Thermal Systems (ATAMMTS-2024)**” organized by Department of Mechanical Engineering, Lakireddy Bali Reddy College of Engineering, Mylavaram, during 24th June 2024 to 28th June 2024.
- ❖ Attended Short term course on “**Manufacturing and Mechanics of Composites**” organized by Department of Mechanical Engineering, IIT Kharagpur, during 4th September 2023 to 25th September 2023.

- ❖ Attended for a One Week Short Term Training Program on titled “**Recent Trends in Additive Manufacturing Technologies (RTAM 2023)**” organized by Prayojaka Technologies in partnership with the National Centre for Additive Manufacturing (NCAM)m Hyderabad, during 28th July 2023 – 01st August 2023.
- ❖ Attended a webinar on title “**Guidelines for getting Funding for Projects from Various Funding Agencies**” organized by Punjabi University Patiala through online mode, on 9th June 2023.
- ❖ Attended for a One Week Faculty Development Program (Online) titled “**Role of 3D Printing in Digital Manufacturing**” organized by Centre for Research in Digital Manufacturing (CRDM), Department of Mechanical Engineering, School of Engineering, Anurag University, in collaboration with Centre for Product Design, Development and Additive Manufacturing (CPPDAM), Osmania University, during 03rd – 07th July 2023.
- ❖ Attended for a Five Day Faculty Development Program on “**Recent Advances in Composite Materials – RACM 2023**” organized by Department of Mechanical Engineering, National Institute of Technology, Puducherry, during 27th – 31st March 2023.
- ❖ Attended for a AICTE ATAL sponsored Two Weeks (Hybrid Mode) Faculty Development Program on “**Applications of IoT in Mechanical Engineering**” organized by Department of Mechanical Engineering, Prasad V Potluri Siddartha Institute of Technology, Vijayawada, during 14th – 19th November 2022 and 21st – 25th November 2022.
- ❖ Attended a 3 Months Faculty Development Program (Communication Skills) on “**Scholarly Communications**” organized by ELT Center, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru, during July – November 2022.
- ❖ Participated in “**Manufacturing Engineering Research Scholars Symposium for Efficient Learning – MERSSEL – 2021 2.0**” organized by Department of Manufacturing Engineering, Faculty of Engineering & Technology, Annamalai University, Chidambaram, during 08th – 09th October 2021.
- ❖ Attended a Five day Faculty Development Program on “**Recent Trends in Thermal Engineering**” organized by Department of Mechanical Engineering, Seshadri Rao Gudlavalleru Engineering College, Seshadri Rao Knowledge Village, Gudlavalleru, during 6th – 10th September 2021.
- ❖ Attended for a AICTE sponsored One Week (online) Short Term Training Program – 3 on “**Innovations and Challenges in Industry 4.0 Automation and Smart Manufacturing**” organized by Department of Mechanical Engineering, Kallam Haranadha Reddy Institute of Technology, Guntur, during 26th – 31st July 2021.

- ❖ Attended a Three day Online Faculty Development Program on “**Recent Trends in Electrical Vehicles – Phase I**” organized by Department of Mechanical Engineering, Seshadri Rao Gudlavalleru Engineering College, Seshadri Rao Knowledge Village, Gudlavalleru, during 17th – 19th March 2021.
- ❖ Attended a Three day Faculty Development Program on “**Advances in Composite Materials and their Applications**” organized by Department of Mechanical Engineering, CMR Institute of Technology, during 25th – 30th January 2021.
- ❖ Attended for a 5 Days Online Faculty Development Program on “**Sheet Metal Design using SolidWorks**” organized by ICT Academy during 25th – 30th January 2021.
- ❖ Attended for a 5 Days Online Faculty Development Program on “**Essentials of SolidEdge**” organized by ICT Academy during 14th – 18th December 2020.
- ❖ Attended for a Two week AICTE – STTP Online Faculty Development Program on “**Research Methodology, Design of Experiments for Engineers & Researchers**”, organized by RVR & JC College of Engineering during 07th – 09th December 2020.
- ❖ Attended for a One week Online Faculty Development Program on “**3D Printing & Design**” organized by Indian Institute of Information Technology Design & Manufacturing, Kurnool and AICTE Training and Learning Academy (ATAL) during 19th – 23rd October 2020.
- ❖ Attended for a One week Online Faculty Development Program on “**Cyber – Physical Production Systems**” organized by National Institute of Technology Andhra Pradesh and AICTE Training and Learning Academy (ATAL) during 21st – 25th September 2020.
- ❖ Attended a One Week Online Faculty Development Program on “**Research Trends in Mechanical Engineering**” organized by Department of Mechanical Engineering, Gudlavalleru Engineering College, Seshadri Rao Knowledge Village, Gudlavalleru, during 15th – 20th June 2020.
- ❖ Attended a Five days Faculty Development Program on “**Multi Objective Optimization for Mechanical Engineering Applications**” organized by Department of Mechanical Engineering, QIS College of Engineering and Technology, Ongole, during 08th – 12th June 2020.
- ❖ Attended a Online Webinar on “**Impact of COVID in Engineering and Education & Way forward**” organized by Indian Society of Technical Education (ISTE) Chapter, Gudlavalleru Engineering College, Seshadri Rao Knowledge Village, Gudlavalleru, on 09th June 2020.
- ❖ Attended a One Week Faculty Development Program on “**Advanced Manufacturing Enterprise in Digital Era**” organized by Department of Mechanical Engineering, Aditya Institute of Technology & Management, Tekkali, during 01st – 5th June 2020.

- ❖ Attended a webinar on “**Nanofluid Applications in Engineering**” organized by Department of Mechanical Engineering, Vishnu Institute of Technology, Bhimavaram, on 01st June 2020.
- ❖ Attended a One Week Faculty Development Program on “**Development and Characterization of Composite Materials**” organized by Department of Mechanical Engineering, Lingayas Institute of Management and Technology, Nunna, during 25th – 29th May 2020.
- ❖ Attended a One Week Faculty Development Program on “**Additive Manufacturing: The Research Scopes & Future Trends**” organized by Santhiram Engineering College, Nandyal, during 22nd – 28th May 2020.
- ❖ Attended a International Webinar on “**Art of Writing Research Review / Articles for Publishing in Peer Reviewed Journals**”, organized by Internal Quality Assurance Cell (IQAC), MES College, Erumely, on 25th May 2020.
- ❖ Attended a Webinar on “**Future Scope of Electrical Vehicle**”, organized by Department of Mechanical Engineering, Karpagam Institute of Technology, Coimbatore, on 23rd May 2020.
- ❖ Attended a Webinar on “**Research Thrust Areas in Composites**”, organized by Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam, on 20th May 2020.
- ❖ Attended a One Week Faculty Development Program on “**Green Manufacturing: The Present & The Future**” organized by Santhiram Engineering College, Nandyal, during 15th – 20th May 2020.
- ❖ Attended for One day webinar on “**Drafting and Publication of Research Articles in Peer Reviewed Journals**”, organized by Sri. Mittapalli College of Engineering, Tummalapalem, Guntur, held on 16th May 2020.
- ❖ Attended a Webinar on “**Project Management Webinar 2.0 – Feasibility Study in Project Management – A Case Study**”, organized by Lakireddy Bali Reddy College of Engineering, Mylavaram, on 16th May 2020.
- ❖ Attended a Three day Online Faculty Development Programme on “**Improving your Research Visibility – Research Impact and Metrics**” jointly organized by Research and Development Cell and Internal Quality Assurance Cell, Velar College of Engineering and Technology, Erode, during 11th – 13th May 2020.
- ❖ Attended for a Five Day online FDP on “**IPR Awareness and Patent Prosecution**”, organized by Department of Information Technology, CMR Engineering College, Hyderabad, during 6th – 10th May 2020.
- ❖ Attended for One day online Webinar on “**3D Printing Applications in Fighting with COVID – 19**”, organized by Department of Mechanical Engineering, Sri Sai Ram Institute of

Technology, Chennai, held on 9th May 2020.

- ❖ Attended for Five days Online Faculty Development Programme on “**ARDUINO**” organized by Sathyabama Institute of Science and Technology, Chennai in association with IIT Bombay Spoken Tutorial – Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT), during 4th – 8th May 2020.
- ❖ Attended for One day online Webinar on “**How to Get Published in Scientific Journal: From Research to Publication**”, hosted by MHRD – Institute Innovation Council, Sri Sai Ram Institute of Technology, Chennai, held on 27th April 2020.
- ❖ Attended a Webinar on “**Season 1 – Technology for Future – Robotics Process Automation: Basics and Beyond**”, organized by Sky Campus – Digital Knowledge Series, ICT Academy, on 10th April 2020.
- ❖ Participated in “**Manufacturing Engineering Research Scholars Symposium for Efficient Learning – MERSSEL – 2020 & GURUS (GUIDES) and SISHYAS (Scholars) Meet (GSM – 2020)**” organized by Department of Manufacturing Engineering, Faculty of Engineering & Technology, Annamalai University, Chidambaram, during 27th – 29th February 2020.
- ❖ Attended a 67 Hours Faculty Development Program (Communication Skills) on “**Level II - Written Communications**” organized by ELT Center, Seshadri Rao Gudlavalluru Engineering College, Gudlavalluru, during July – November 2019.
- ❖ Attended for One Week Faculty Development Program on “**Applied Robotics Control Labs (ARC 2.0)**” organized by German Center for Advanced Engineering and Management Studies UG and APS GmbH – European Center for Mechatronics, as a part of “Indo European Skilling Centers for Mechatronics and Industrial Robotics” in Andhra Pradesh from 5th – 12th August 2019, at VIT – AP, Amaravati, Andhra Pradesh.
- ❖ Attended for Ten Days Faculty Development Program on “**Applied Robotics Control Labs (ARC 1.0)**” organized by APS GmbH European Center for Mechatronics, as a part of “Indo European Skilling Centers for Mechatronics and Industrial Robotics” in Andhra Pradesh from 18th – 29th May 2019 at Aachen, Germany.
- ❖ Two Day National Workshop on “**Research Methodology**”, organized by IIITD&M IEEE Student branch, Kancheepuram, Chennai during 15th – 16th March 2019.
- ❖ Two day Faculty Development Program on “**Advances in Manufacturing**” organized by Department of Mechanical Engineering during 16th – 17th November 2018 at Gudlavalluru Engineering College, Seshadri Rao Knowledge Village, Gudlavalluru.

- ❖ Attended a 56 Hours Faculty Development Program (Communication Skills) on “**Level I - Oral Communications**” organized by ELT Center, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru, during February – August 2018.
- ❖ IE (I) APSC sponsored One day workshop on “**Characterisation of Metal Matrix Composites**” organized by Department of Mechanical Engineering, on 11th August 2018 at Gudlavalleru Engineering College, SeshadriRao Knowledge Village, Gudlavalleru.
- ❖ AICTE – ISTE sponsored One Week Refresher course on “**Computational Fluid Dynamics**” organized by Department of Mechanical Engineering during 18th – 23rd June 2018 at Gudlavalleru Engineering College, SeshadriRao Knowledge Village, Gudlavalleru.
- ❖ One Week Faculty Development Program on “**CNC Turning Programming**” organized by APSSDC – Siemens Project during 23rd April to 27th April 2018 at APSSDC – SIEMENS Centre of Excellence, VR Siddartha Engineering College, Vijayawada.
- ❖ Two Day training on "**MATLAB[®], Simulink and Related Tool Boxes**" organized by Capricot Technologies Pvt. Ltd. and Department of Mechanical Engineering during 8th –9th February, 2018, at Gudlavalleru Engineering College, SeshadriRao Knowledge Village, Gudlavalleru.
- ❖ One Day Workshop on "**Outcome Based Education**" organized by Department of Mechanical Engineering on 9th December, 2017, at Gudlavalleru Engineering College, SeshadriRao Knowledge Village, Gudlavalleru.
- ❖ One week Refresher Course on "**Finite Element Analysis**" organized by Department of Mechanical Engineering and Civil Engineering during 19th –24th June, 2017, at Gudlavalleru Engineering College, SeshadriRao Knowledge Village, Gudlavalleru.
- ❖ Two Day Faculty Development Program on "**Robotics and Automation**" organized by Department of Electrical and Electronics Engineering during 29th – 30th November, 2016, at Lakkireddy Balireddy College of Engineering, Mylavaram-521230, Krishna Dist., A.P.
- ❖ One week FDP on "**MATLAB Applications in Mechanical Engineering**" organized by Department of Mechanical Engineering during 7th –11thSeptember, 2015, Gudlavalleru Engineering College, SeshadriRao Knowledge Village, Gudlavalleru.
- ❖ One-week FDP on "**Training Program on ANSYS**" during 22nd to 27th June 2015 organized by Department of Mechanical Engineering and Civil Engineering, Gudlavalleru Engineering College, SeshadriRao Knowledge Village, Gudlavalleru.

CERTIFICATIONS: 21

- ❖ Completed 8 week online NPTEL certification program on “**Computer Graphics**”, conducted by IIT Guwahati.
- ❖ Completed a part time certificate course on “**CATIA**” conducted by CITD, Hyderabad during 18.05.2022 to 17.06.2022.
- ❖ Completed 12 week online NPTEL certification program on “**Manufacturing Systems Technology I & II**”, conducted by IIT Kanpur.
- ❖ Completed 12 week online NPTEL certification program on “**Engineering Drawing and Computer Graphics**” conducted by IIT Kharagpur.
- ❖ Completed a certification program on “**Learn MATLAB and Simulink Programming**” in Udemy Digital Platform
- ❖ Completed on the course on “**Bulk Material Handling**”, conducted by Capability Development, TATA Steel.
- ❖ Completed on the course on “**Desulphurisation**”, conducted by Capability Development, TATA Steel.
- ❖ Completed on the course on “**Industry 4.0**”, conducted by Capability Development, TATA Steel.
- ❖ Completed on the course on “**PLC**”, conducted by Capability Development, TATA Steel.
- ❖ Completed on the course on “**Measuring Instrument**”, conducted by Capability Development, TATA Steel.
- ❖ Completed a certification program on “**Industrial Internet of Things (IIOT) and the IoT**” in Udemy Digital Platform.
- ❖ Completed 8 Week online NPTEL certification program on “**Robotics**” conducted by IIT Kharagpur.
- ❖ Completed 8 Week certification program on “**Manufacturing of Composites**” conducted by IIT Kanpur.
- ❖ Completed 12 week online NPTEL certification program on “**Mechanics of Human Movement**” conducted by IIT Madras.
- ❖ Completed 8 week online NPTEL certification program on “**Design Practice II**” conducted by IIT Kanpur.
- ❖ Completed 8 week online NPTEL certification program on “**Introduction to Research**” conducted by IIT Madras.
- ❖ Completed 12 week online NPTEL certification program on “**Operations Management**”

conducted IIT Roorkee.

- ❖ Completed 12 week online NPTEL certification program on “**Fundamentals of Manufacturing Processes**” conducted by IIT Roorkee.
- ❖ Completed certificate course on “**Diploma in Product Design**”, conducted by CADD Center, Vijayawada in July 2014.
- ❖ Completed certificate course in “**Computer Aided Structural Analysis – ANSYS FEA**” conducted by Engineers CADD Center (P) Limited, Vijayawada during July – August 2011.
- ❖ Completed certificate course in “**Computer Aided Drafting and Design – AUTOCAD (2D, 3D)**” conducted by Engineers CADD Center (P) Limited, Vijayawada during January – February 2011.

ACTING AS A EDITOR / REVIEWER: 02

- ❖ Acting as a editor for book series titled “**Futuristic Trends in Robotics & Automation**”, IIP Proceedings
- ❖ Acting as a reviewer for **International Review of Mechanical Engineering (IREME)**, Praise Worthy Prize Publications, ISSN: 1970-8734

GUEST LECTURES DELIVERED: 03

- ❖ Two Week Skill Development Program for faculty on “**CATIA**” during 18th to 30th July 2022 organized by Department of Mechanical Engineering in Seshadri Rao Gudlavalleru Engineering College.
- ❖ One-week Skill Development Program for students on "**ProgeCAD**" during 17th to 23rd February 2017 organized by Department of Mechanical Engineering in association with ASME, IE(I), ISTE and Mechanical Engineering Association, in Gudlavalleru Engineering College, SeshadriRao Knowledge Village, Gudlavalleru.
- ❖ Two Day Faculty Development Program on "**Training on ProgeCAD**" during 6th to 7th December 2017 organized by Department of Mechanical Engineering, in Gudlavalleru Engineering College, SeshadriRao Knowledge Village, Gudlavalleru.

MEMBERSHIP IN PROFESSIONAL BODIES:

- ❖ IE (I) – Associate Member (AMIE) (AM1843160)

Departmental Responsibilities Handled (Past Years):

- ❖ Department Exam Co-Cordinator
- ❖ Department Website Coordinator
- ❖ MECATRON Coordinator (Departmental Magazine)
- ❖ Member – NBA Criteria 4
- ❖ CAD/CAM Lab Faculty In-charge

Departmental Responsibilities Handling (Present Academic Year):

- ❖ Coordinator – Department Time Tables
- ❖ Member – NBA Criteria 5
- ❖ Embedded Systems & IoT Lab Faculty In-charge
- ❖ ARC & CAM Lab Faculty In-charge

(D. Tarun)

Assistant Professor