

B V S Arun Kumar

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Work Experience – [23+ Years of Teaching/Research & Industry]

Academic Experience: 13+ years: Associate Professor (UG Level Engineering)
(2008-2013/2018-2026) (PhD. on leave 2013-2018)

- I. Organization – GVPCDPGC(A) (aff. to Andhra University)
Position – Associate Professor (Mechanical Engineering)
Role Profile – Course instructor for UG Engineering Courses (MCMT, IE, IME, PM, MEFA)
Course Instructor for PG Courses (PM, Data Analytics using R)
Lab instructor (Mfg. Technology, SciLab, CAD/CAM)
- II. Organization – Raghu Engineering College (aff. to JNTU Kakinada)
Position – Associate Professor (Mechanical Engineering)
Role Profile – Lecturer for UG Engineering Courses (PT, Machine Tools & Metrology, UCMP)
Lab instructor (Machine Tools & Metrology, Production Technology, Instrumentation)

Industry Experience: 10 years: Industrial Engineer (Production/O&M/Commercial Operations)
(1996-2008)

- III. Organization – Govt. owned Power Co.
Position – Sr. Officer (Industrial Engineering)
Role Profile – Industrial Engineer for Operations & Maintenance and other Commercial Functions in Power distribution operations
- IV. Organization – Management / Engineering Consultants
Position – Consultant (Industrial Engineering)
Role Profile – Team member & Field Engineer in O&M Systems Analysis Studies, Production capacity assessment/ up-gradation, Training & Development in Maintenance/ Quality initiatives, etc.

Educational Details –

- o PhD from Indian Institute of Technology (IITK), Kanpur; Specialization: Industrial & Management Engineering (2013-2018).
- o MBA from Indian Institute of Technology (IITK), Kanpur; Specialization: Manufacturing (2001-2003)
- o PGDIE (~ME) Industrial Engineering from NPC, MoI, Govt. of India, Chennai (1996-1998)
- o BE Mechanical Engineering from Andhra University, College of Engineering (AUCE), Vishakhapatnam (1990-1995)

Journals / Conference Publications –

- a. Effect of cryo-rolling process on the microstructure, texture evolution, and wear behavior of Al-4.5%Cu alloy, published in Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2025.
- b. Weldability analysis of AA6061 and AA5082 using friction stir welding, published in Welding International, 2022, T&F International
- c. Predicting impact strength and hardness of aluminium & tungsten carbide nano-composite synthesized by PM, published in “Proceedings of International Conference on Powder Metallurgy, PMAI 22,” Materials Today 2022, Elsevier.
- d. Sustainability Analysis of Cutting Fluids in Minimum Quantity Lubrication of Machining Operations, published in “Proceedings of the NCSMSBP 2021”, Springer LNME.

FDP/ STTP/ Workshops/ Conferences/ Training Programs attended –

- o 2025: 1 Day online Workshop on “Mastering Fluent Meshing for CFD Applications,” conducted by NPTEL
- o 2024: 8 week online FDP on “Data Science – Inference and Modeling”, conducted by HarvardX on APSICHE-EDX
- o 2024: 4 week online FDP on “Introduction to Generative AI”, conducted by IBM on APSICHE-EDX
- o 2024: 4 week online FDP on “Essentials of Data Literacy”, conducted by Davidson College on APSICHE-EDX
- o 2022: 1 week FDP on “Structural Analysis of Nano Materials” conducted by IIT Madras

- o 2022: 1 week FDP on “Inculcating Universal Human Values in Technical Education” organized and conducted by AICTE.
- o 2022: 1 week FDP on “Recent Developments in Advanced Materials Processing Techniques and Characterization”, conducted by Dept. of Chemistry, Presidency University, Bengaluru and sponsored by VGST, Govt. of Karnataka.
- o 2020: 2 days National Conference on “Sustainable Machining Strategies for Better Performance (SMSBP 2020)”, conducted by Dept. of Mechanical Engineering, NMAMIT, (NITTE, Karnataka) and sponsored by AICTE.
- o 2020: Five days FDP on “Trends in Industrial and Mechanical Engineering”, conducted by Dept. of Mechanical Engineering, Raghu Engineering College, Visakhapatnam.
- o 2020: Online webinar on “Defect Identification using Machine Vision”, conducted by Dept. of Mechanical Engineering, Raghu Engineering College, Visakhapatnam.
- o 2020: Three day International online FDP on “Advanced Automation in Metal Industry”, conducted by Dept. of Mechanical Engineering, Raghu Engineering College, Visakhapatnam.
- o 2020: Five days FDP on “Recent Advances in Process Metallurgy”, Organized by Dept. of Metallurgical Engineering, SoE, OP Jindal University.
- o 2020: One day national webinar on “Processing of Light Metal Alloys and Characterization”, conducted by Dept. of Mechanical Engineering, Raghu Institute of Technology, Visakhapatnam.
- o 2012: Workshop on Optimization and Reliability Approaches in Engineering Design “ORAED 2012”, conducted by CPC and Department of Mechanical Engineering, GITAM University, Visakhapatnam.
- o 2010: Professional development course on Six Sigma conducted by AU TVS Centre for Quality Management, Chennai.
- o 2009: QIP Faculty Development Programme by NITTTRC, Chennai
- o 2009: AICTE sponsored Faculty Development Programme “ICMMES-09” on Advanced Manufacturing Systems titled “Integration of Computer based Methodologies in Mechanical Engineering Systems” conducted by MVGR College of Engineering, Vizianagaram.
- o 2007: Performance Management Systems and Goal Setting in Organizations at Mumbai, conducted by Mercer India Pvt. Ltd.
- o 1997: Advanced Training Programme on Design of Experiments using Taguchi Techniques, at Chennai, conducted by American Supplier Institute
- o 1997: ZOPP – Goal Oriented Project Planning Conducted by GTZ, Germany

Software awareness –

- o R/RStudio, Scilab/Matlab, Ansys Wrokbench
- o MSOffice (Excel, Word, Powerpoint)

Professional Membership –

- o MIE: Institution of Engineers India, Visakhapatnam Chapter.

Personal Details –

- o Current Address: Madhavadhara, Visakhapatnam.
- o Languages: English, Hindi, Telugu.
- o Age: 55 Yrs.
- o Marital status: Married, 1 child.