

PROFILE

Dr. B. Sudheer Prem Kumar M.Tech., Ph.D., FIE
Professor of Mechanical Engineering,
J. N. T. University, Hyderabad – 500085



Academic Chronicle:

- **Ph.D. (I.C. Engines)- Jawaharlal Nehru Technological Univeristy Hyderabad - 2003.**
- **M.E. (R&AC) from CIT, Bharathiar University, Coimbatore- 1989. (Gold Medallist)**
- **B.Tech (Mechanical Engg.,) – JNT University, Anantapur (Campus) –1985 (Distinction).**
- **Intermediate (M.P.C.) - Govt. Jr. College, Jammalamadugu, Kadapa,- 1981.(College Topper)**
- **S.S.C. (Composite Maths)–Govt. Jr. College, Jammalamadugu, Kadapa - 1979.**

Experience, Professional Memberships & Research Publications:

Work Experience	33 years (Professor- 13 Years)
Research Experience	18 years
No. of Research Papers Published/Presented	197
Professional Memberships	07
No. of Ph.Ds Guided / On going (14+12)	26

Administrative Positions Held:

- **Chief Regional Coordinator for TSEAMCET 2017.**
- **Nodal Officer (Coordinator) for RUSA (Rashtriya Uchchar Shiksha Abhiyan) for JNTU Hyderabad (2017 till today).**
- **Co ordinator for TEQIP-III for JNTUHCEH (2018 onwards).**
- **Principal(I/C) & Vice-Principal** at JNTUCE Jagityal. (2010-2012).
- **Chairman, Board of Studies** for Mechanical Engineering, JNTU Hyderabad (2014 – 2016)
- **Head of Mechanical Engineering Department** JNTUCEH (2012-2014).
- **Chairman - Board of Studies** (Autonomous) & Prepared Curriculum for Integrated Engineering Course in collaboration with **Blekinge Institute of Technology (BTH), Sweden** in 2014.
- **Training & Placement Officer** for JNTUHCEH - Instrumental for 100% placements (2008-2010)
- **Treasurer & Joint Secretary** for Society of Automotive Engineers (SAE), Hyderabad Chapter during 2012-2014.

Significant Contributions/ Recognitions/ Honors:

- His Excellency **The Governor of Odisha** State nominee for the selection of Faculty at **Veer Surendra Sai University of Technology(VSSUT), Burla, Odisha**
- **Expert Committee Member of All India Council of Technical Education (AICTE)-** Inspecting all over India. (Inspected nearly **100 Institutions**)
- Guiding the Mentor Institutes of **SMVD University, Jammu and Mothihari College of Engineering, Mothihari, Bihar** under **TEQIP -III**
- **Selection Committee Member of AP State Public Service Commission (APPSC)**
- **Finance Co-ordinator and Quality Co-ordinator** at the JNT University level in the utilization of **World Bank Fund** (Nearly 12 Crore rupees) under **TEQIP** during 2011 to 2014.
- **Best Paper Awardee** in the **International Conference IFAMS 2000** –at C.I.T., Coimbatore
- **The International Jury member** in the **International Paper Contest of BOEING-CYIENT** - , 2015, along with members from the USA.
- **Key Person (Mechanical)** in the Development of **Choice Based Credit System (CBCS)** at the **JNT University Level & Autonomous College Level.**
- **Chairman** for the **Design of Curriculum** for Mechanical Engineering Stream for **nearly 300 Colleges** affiliated to JNTU Hyderabad.

- **Vice-Chancellor (JNT University) Nominee** for selections of Faculty in **National Teachers Training Institute (NTTI)**, Chennai, India.
- **Selection Committee Member of Staff Selection Committee** of **SVU-Tirupati, JNTU-Ananthapur, JNTU- Kakinada & JNTUH.**
- Visited **United States of America & Finland** to present Research Papers in international conferences at **ASME USA, (Twice) COBEM- Brazil and CLIMA-Helsinki, Finland.**
- Visited **United States of America** to undergo **Advanced Leadership Training of Haggai Institute at Hawaii. (Christian Spiritual Program)**
- **Adjudicator for Ph. D & M. Tech Theses- SVU, JNTUA, JNTUK, AU, PondicherryU &OU.**
- **Question Paper Setter- State Level Examinations ECET, RECET, PGCET for AP & Odisha.**
- Deputed by JNTU Hyderabad as **Special Observer for CET in the State of Jharkhand.**
- **Central Level Observer** Engineering and Medicine Common Entrance Examination since 2007.
- Completed **Consultancy Projects** to the tune of **26 lakh** rupees of **DRDO** (Heat Exchanger Design in Missile Applications) & **AP Govt.** (Tractor & Trailer Design) in 2013.
- Guided **Three Batches of Students** in **SAE-BAJA, GO-KART** Championship on **Hybrid Cars & All-Terrain Vehicles** using Rs. 25 Lakhs of **World Bank Fund** (Under TEQIP- II).
- **Member, Editorial Board** of **International Journal of Advances in Engineering & Technology**, India (Print). Also **Reviewer** for a **Chinese Journal of Mechanical Engineering.**
- **Reviewer** for Text Books- **Heat Transfer & Thermodynamics** by **Yunus A Cengel** of **Tata McGraw-Hill Publishers**, New Delhi & **Heat Transfer** by **P.S. Ghoshdastidar** of **Oxford University Press**, New Delhi.
- **Key Note Speaker & Guest Lectures & Chaired sessions** in the **International & National** Conferences & Workshops.
- Member of the **Investigating Team (Technical)** of **VOLVO Bus accident** at Mahabubnagar in 2013 appointed by the **Government of United AP.**
- Published **3 Text Books** (I.C. Engines, Engineering Drawing & Heat Transfer).
- Attended a workshop on **“Innovation”** by **Dale Carnegie Training** in the **Andaman & Nicobar Islands** by Wipro Technologies.

Professional Societies / Memberships:

- **Member**, American Society of Mechanical Engineers (**ASME**).
- **Member**, Society of Automotive Engineers (INDIA) (**SAE**).
- **Member**, Indian Society of Heating, Refrigeration A/C Engineers (**ISHRAE**).
- **Fellow**, Institution of Engineers (INDIA) (**IEI**)
- **Life Member**, Indian Society of Mechanical Engineers (**ISME**)
- **Life Member**, Indian Society for Technical Education (**ISTE**)
- **Alumnus** of **Haggai Institute (Hawaii, USA).** (Spiritual)

List of Patents (Applied):

1. **A Lifiable Vehicle Body Bottom Skirt along with Front and Rear Collapsible Wind Friction Reduction Attachments for Better Fuel Economy** Patent Application No: 1158/CHE/2014.
2. **Low Cost Operating Mechanism to Slide the Front Portion Glasses of Vehicle Provided with Collapsible Wind Friction Reduction Attachments for Better Visibility** Patent Application No:1161/CHE/2014.
3. **Low Cost Operating Mechanism to Open and Close the Collapsible Wind Friction Reduction Attachments of Bike** Patent Application No:1160/CHE/2014.

(**B. Sudheer Prem Kumar**)