



Dr.S.Kumarappa
Professor and HOD
Department of Mechanical Engineering

I am presently working as Professor & HOD in the Department of Mechanical Engineering & Dean (Examination) of the Institute. Obtained Ph.D. from Kuvempu University, M. Tech degree from NITK, Surthkal and B.E. from Mysore University. I have around 29 years of experience in Teaching and 22 years of Research experience. Served as Coordinator of IGNOU for four years, and worked as PG Coordinator of Thermal Power Engineering for five years at BIET.

My research interests are in the field of Alternative fuels for IC Engines, Engine Management system, CFD and I have published around 51 research papers in various International and National Journals, and conferences. I have guided 55 Under Graduate and 32 Post Graduate projects and actively involved in Research. At present two research scholars are pursuing their doctoral studies under my guidance. Three research scholars have been awarded Doctoral Degree by Visvesvaraya Technological University under my supervision.

Worked as a member of Board of Examination-Graduate & post- graduate courses in Mechanical Engineering of Visvesvaraya Technological University. Worked as a member of Board of Examination of Graduate & post- graduate courses in Mechanical Engineering of Kuvempu University, Worked as a member of Board of Examination of Graduate & post- graduate courses in Mechanical Engineering of Davangere University. Worked as a member of Local Inquiry Committee constituted by Visvesvaraya Technological University, Belgaum.

Member of Indian Society of Technical Education, Combustion Institute and also Member of Institution of Engineers. Chaired a session at second International Conference on Polymer Composites held at NITK, Surathkal on 15th December 2018. Served as a member of Interview

Committee in KPSC, Bangalore. Delivered short courses and Technical Lectures at various institutions.

Established Advanced Internal combustion Engines and Biofuel Laboratory and also Heat Transfer Laboratory in the Department. Have worked in the R&D in association with various originations like Bosch, DRDO, & BEML, Bangalore, etc.

Six sponsored research projects (R&D) in the areas of production of Biofuel from various sources and advanced engine technology, nonconventional energy sources and also eight projects from KSCST / KSBDB are completed. worked as Principal Investigator responsible for developing new designs of high pressure Piezoelectric Direct Biodiesel injection with innovative approaches in design, development and testing which to my knowledge were the initial efforts to develop completely indigenous advanced engine design in India, Investigation on Conversion of Flower Wastes into Bioethanol and Performance Evaluation on Single Cylinder I C Engine, received State level Best Project of the year, recipient of Best Project Award from Agastya International foundation twice. Design and Demonstration of Wind Turbines for power generation at highway Medians, Development of Electronic Gaseous fuel injection, Thermal Energy Storage using different PCMs and to improve efficiency of solar thermal systems, Development of Turbo-charger for single cylinder engine, Use of Phase Changing Materials for Thermal Energy Storage and Utilizing Stored Energy for Refrigeration and Air-conditioning, are funded by many government agencies like AICTE, VGST, KSCST/KSBDB, Robert Bosch and also other industries. A Faculty Development project is selected for DST, New Delhi.

Responsible for bringing in the concept of Innovative project cell in the Department, Worked as Member of the Organizing committee of the 21st National Conference on IC Engines and Combustion held in association with Combustion Institute (India) on December 10-12th, 2009. Organized Workshop on "Combustion and CFD Modeling of IC Engines, Workshop on Computational Fluid Dynamics. Organized many workshops, seminars, Technical talk and In-house project exhibitions in the department. Edited Data hand book for Design of heat transfer equipments for thermal power plants.

An interaction programme for innovators of technology was organized in association with Karnataka State Council Science and Technology, and BIET.

As a Head of Mechanical Engineering Department, I have motivated the entire team to work for getting NAAC with A grade.