

SHRAVAN GABBETI

PLOT NO. 204/B, RAVINDRANAGAR COLONY, HABSIGUDA, HYDERABAD-500007
91-98483 25057(M) 91-40-2717 5146(R) / e-mail: shrav.g@gmail.com

OBJECTIVE

My exposure to the Teaching profession very early in my career has been a very challenging, yet delightful experience. I have always believed that Teaching is one profession where there are endless possibilities for learning and acquiring knowledge through Research and also disseminate and share the same through effective pedagogical methods.

PROFESSIONAL EXPERIENCE

Jun'13 – till date

Department of Mechanical Engineering, JNTUH University College of Engineering Hyderabad as Assistant Professor (C)

Key Deliverables:

- ⇔ Handle coursework for Undergraduate and Post-Graduate Students of the Department, both theoretical and practical components.
- ⇔ Facilitate the academic activities of the Department like organisation of Workshops/ Guest Lectures and mentoring Students with regards to their day-to-day coursework and project works.

Attainments:

- ⇔ Timely completion of Coursework as per the Lecture Schedules published at the beginning of Semester/ Academic Year.
- ⇔ Currently handling Engineering Graphics and Applied Python Programming Lab for Undergraduate Students and over the years handled several Core Courses like Machine Tools, Metrology & Machine Tools, Production Technology, Non-Conventional Energy Sources, Machine Drawing, Computer Programming & Data Structures, Programming for Problem Solving and Environmental Sciences for the Undergraduate Students of the Department.

October '10 – Jun'12

MSME Technology Business Incubator, J.N.T.U.H. College of Engineering, Kukatpally, Hyderabad as Deputy to the Manager, MSME-TBI.

Key Deliverables:

- ⇔ Operating, Screening and forwarding Innovative Business Proposals as part of MSME-TBI Scheme on behalf of Ministry of Micro, Small & Medium Enterprises (MoMSME), Government of India (GoI), New Delhi.
- ⇔ Ensure Infrastructural and Mentor support to the Innovator-Incubatees funded by MoMSME.
- ⇔ Track, document and report the progress of Incubatees' projects and enable/ facilitate the commercialization of Technologies/ Products/ Services incubated.

Attainments:

- ⇔ Sourced Grants-in-Aid from Ministry of Micro, Small & Medium Enterprise, GoI to the tune of Rs. 2.6 million for promotion of 6 Innovative Business Ideas by Innovators/ Entrepreneurs, for the financial year 2011-2012.

May'06 – Sep' 11

Entrepreneurship Development Cell (EDC), Jawaharlal Nehru Technological University Hyderabad (JNTUH), Kukatpally, Hyderabad as Project Officer

Key Deliverables:

- ⇔ Provide Techno-Manual Consulting for Prospective/ Aspiring Entrepreneurs at Entrepreneurship Development Cell, JNTUH, an initiative of Department of Science & Technology, Ministry of Science & Technology, GoI, New Delhi and facilitate the grounding of Technology-driven Manufacturing/ Service Enterprises.

- ⇨ Mentoring and guiding prospective/ aspiring Entrepreneurs on a not-for-profit basis.
- ⇨ Conduct Awareness Camps/ Intensive Training for Students & Faculty of Engineering/ Polytechnic Colleges and aspiring Entrepreneurs on Entrepreneurship
- ⇨ Documenting the activities and reporting the same to enable annual appraisal and review of the Cell by the Ministry of Science & Technology, GoI.

Attainments:

- ⇨ Instrumental in sourcing Grants-in-Aid from Ministry of Science & Technology, GoI to the tune of Rs. 1.7 million for the smooth functioning of EDC, JNTUH
- ⇨ Promoted grounding of micro and medium enterprises in manufacturing/ service sector involving Capital Investments ranging from as little as Rs. 8 lakh to the tune of Rs. 33.4 million which resulted in direct employment for 30 people.
- ⇨ Conducted 15 programmes for sensitizing students and faculty towards Entrepreneurship. The programmes were either 1/2/3-day Awareness Camps or 2/4-Week Intensive Training Camps. The number of target participants usually varied from 20 to 400.

Others:

- ⇨ Developed and customised the content used for the Training Programmes, keeping in view the mandate of EDC.
- ⇨ Standardized the schedules and content for the Intensive Training Camps.
- ⇨ Established and renewed networking with various Partnering Institutions/ Industrial Associations/ Financial Institutions.
- ⇨ Organised Skill & Personality Development Programmes for the benefit of students/ general public who fall in the age group of 18-35 years. This was a joint social initiative by EDC, JNTUH and the University.
- ⇨ Created Corpus funds close to Rs. 0.5 million for EDC, JNTUH with the money received through sponsorships and processing fees. The fund was created to meet any type of exigency/ contingencies which may arise during the conduct of the programmes.

Jul'03-Apr'06

Department of Mechanical Engineering, College of Engineering, JNTUH, Hyderabad as Lecturer

Key Deliverables:

- ⇨ Handle coursework for Undergraduate and Post-Graduate Students of the Department, both theoretical and practical components.
- ⇨ Facilitate the academic activities of the Department like organisation of Technical Conferences/ Workshops for both national and international participants

Attainments:

- ⇨ Timely completion of Coursework as per the Lecture Schedules published at the beginning of Semester/ Academic Year.
- ⇨ Taught core Engineering Courses like Dynamics of Machinery, Engineering Graphics, Machine Drawing, Environmental Sciences and Programming Language Courses in 'C', 'Data Structures with C' and 'Computer Programming & Numerical Methods'.

Others:

- ⇨ **Qualified for the 'Faculty Eligibility Test' organised by J.N.T.U.H., Hyderabad, score valid till Dec, 2013.**
- ⇨ **Qualified for pursuing Ph.D. in Environmental Sciences for the academic year 2010-11 & 2011-12.**

PRECEEDING ASSIGNMENTS

May'03-Jun'03

Sanghi Polyesters Pvt. Ltd., Sanghi Nagar, Hyderabad as Utilities Engineer (Entire Polyester Plant Utilities)

MASTERS THESES' DETAILS

- ⇔ Thesis Work under the title of '**Evaluation of Mechanical Properties of Epoxy Based Hybrid Composites with E-Glass & Banana Fibre Reinforcement and Flyash Fillers**' was carried out at Department of Mechanical Engineering, JNTUHCEH.

It involved Fabrication, Testing and Characterization of Hybrid Composites with Glass Fibre, Alkali Treated Banana Fibres, Epoxy Resin and Flyash Fillers as constituents. A cost benefit of 15% in terms of raw material can be achieved by the use of Banana/E-Glass Fibre as Reinforcement and Flyash Fillers as a partial replacement against E-Glass Fibre when compared to Epoxy based Composites reinforced with E-Glass, Banana Fibres but devoid of any filler materials.

- ⇔ Thesis Work under the title of '**New Refrigerant Mixtures as Alternative Refrigerants in a Vapour Compression Refrigeration System**' was carried out at Centre for Environment in collaboration with Department of Mechanical Engineering, JNTUHCEH.

It involved formulation of Five Theoretical Refrigerant Mixtures which also employed Hydrocarbons as part of the work. The work suggested prospective drop-in replacements against Conventional Refrigerants (Pure & Pre-defined) which have considerable Global Warming Potential (GWP) and Ozone Depletion Potential (ODP) .

The drop-in replacements promised reduction in Energy Consumption which mitigates the Indirect Global Warming.

EDUCATION

- ⇔ **Currently pursuing Ph.D.** at JNTUH in the area of Alternate Fuels.
- ⇔ **Master of Technology** (Engineering Design), Department of Mechanical Engineering, JNTUHCEH, (2021) **(First Class with Distinction)**
- ⇔ **Master of Technology** (Environmental Management), Centre for Environment, Institute of Science & Technology, Jawaharlal Nehru Technological University, Hyderabad (2009) **(First Class with Distinction)**
- ⇔ **Bachelor of Technology** (Mechanical Engineering) from Sree Nidhi Institute of Science and Technology, Hyderabad, (2003) **(First Class)**
- ⇔ **Junior & Senior Intermediate** (M.P.C.) from Little Flower Junior College, Uppal, Hyderabad.(1999)
- ⇔ Schooling from Johnson Grammar School (ICSE), Habsiguda, Hyderabad.(1997)

PUBLICATIONS / FDPs ATTENDED / WORKSHOPS CONDUCTED/ MOOCs PURSUED

- ⇔ **International Journal Publications:**

P. Prasanna, G Shravan, V. Gopinath Optimization of Mechanical Properties of Hybrid Composites by TOPSIS Technique, International Journal of Research, Special Issue: e-ISSN: 2348-6848 p-ISSN: 2348-795X, Vol. 05, Issue 06, pp 641-644

P. Prasanna, V. Y. Manu Sharma, G Shravan, Optimization of Drilling Process Parameters on Ti6Al-4V Alloy Using Integrated GRA - Taguchi method, International Journal of Research, Special Issue: e-ISSN: 2348-6848 p-ISSN: 2348-795X, Vol. 05, Issue 06, pp 636-640.

- ⇔ **FDPs Attended:**

Attended Faculty Development Programme on 'Industrial Pneumatics & Hydraulics', organized by JNTUH during 14-20 Dec 2017 at JNTUH.

Attended Online FDP on 'A hands on practice of Software Tools in Mechanical Engineering' organized by Vaagdevi Engineering College, Warangal from 29.06.2020 to 04.07.2020

⇔ **Workshop/s conducted:**

Co-coordinated the *CSWIP 3.1 Welding Inspection Programme Practical & Examination Session* for the Final Year Undergraduate Students of the Department from 14.12.2020 to 16.12.2020.

⇔ **MOOCs pursued:**

- 'Principles of Casting Technology' from Indian Institute of Technology, Roorkee with 'Elite+Silver' Certification
- 'AI for Everyone' from DeepLearning.AI
- 'Structuring Machine Learning Projects' from DeepLearning. AI
- 'Programming for Everybody (Getting Started with Python)' from University of Michigan, U.S.A.
- 'Introduction to Mechanical Engineering Design and Manufacturing with Fusion 360' from AutoDesk
- 'Modelling and Design for Mechanical Engineers with Autodesk Fusion 360' from AutoDesk
- 'Introduction to Basic Vibrations' from Korea Advanced Institute of Science & Technology, Daejeon, South Korea

⇔ **Professional Body Membership:**

Currently Member of The Indian Institute of Welding, Kolkata, (a Member Society of The International Institute of Welding, Genoa Italy.)

⇔ **Student Mentoring:**

Mentored our College Students as a part of the 'Scholars for Change' Campaign for preparation of Educational Content 'for Science & Technology segment, organized by Indian Institute of Management, Ahmedabad.

OTHER INTERESTS & ACTIVITIES

⇔ Grade '5' Qualified Plectrum Style Guitarist from Trinity College of Music, London

⇔ Transliteration of Texts associated with Vernacular Languages like Hindi, Sanskrit, Telugu, Kannada, Marathi, Tamil and Malayalam.