SRINIVAS SURI

Assistant Professor, Department of Mechanical Engineering
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Academic Qualification:

- M.Tech (Advanced Manufacturing Systems) from College of Engineering, JNTU, Hyderabad in **First Class with Distinction,** in 2007.
- Now Pursuing Ph.D. in JNTU, Hyderabad

Professional Experience:

- ✓ Joined this college in the year 1998 and now working as Assistant Professor in Department of Mechanical Engineering, MVSR Engineering College, Hyderabad.
- ✓ Guided over 26 Nos. of B,Tech. and M.Tech. Projects on Mechanical Engineering and manufacturing involving experimental and Fabrication.
- ✓ Teaching Graduate and post graduate Subjects like Engineering Graphics, Computer Drafting laboratory, Machine Drawing, CAD/CAM Theory, CAD/CAM Lab., Metrology & Instrumentation, Junior Workshop and elective subjects.
- ✓ Teaching CAD Software like CATIA, SOLIDWORKS, Pro/Engineer, ANSYS & AutoCAD to staff &students.
- ✓ Associated with college and departmental activities like, laboratory inchageship, NAAC, NBA preparations, Organising workshops & seminars, Newsletter Coordinator, college brochure, Teaching AutoCAD to staff under up-gradation of Non-Teaching staff skill, preparing presentations, College drawings in AutoCAD, creating database of college infrastructure etc.
- ✓ Handled outside projects individually as well as part of a team, result oriented, and technically sound, good knowledge of computer systems, communication skills including presentation and technical reports for NBA.
- ✓ Involved in Consultation activities of the department and others.

Professional Training:

- **AutoCAD software** Basic & Advanced Level.
- Training on **CATIA V5R20** from Logical Solutions, Hyderabad.
- Training on **CNC LATHE** from MTAB-DENFORD TECHNOLOGYCENTRE, Chennai.
- Training on **ANSYS 11.0** From ANSYS INDIA, Bangalore.
- Training in **Pro/Engineer** from Rolta India Ltd., Hyderabad.
- Training in **SOLIDWORKS** from CADD Centre, Hyderabad.

Memberships:

- ✓ Life Member of "Institution of Engineers (India)" (M – 140321-9)
- ✓ Life Member of "Indian Society of Technical Education"(ISTE: LM- 68329)
- ✓ Charted Engineer (India) of "Institution of Engineers (India)"

External Assignment:

- ✓ Nominated as external expert for assessment board of DRDO- CEPTEM.
- ✓ Registered Project Guidefor "Institution of Engineers (India)".
- ✓ Paper evaluator and paper setter for other universities.

Guest Lectures delivered:

1. Delivered a lecture as a resource person for orientation programme in "*Engineering graphics with AutoCAD"* organised by ***Matrusri College*** *of Engineering* from 21st to 23rd July 2016.
2. Delivered a lecture as a resource person for Faculty Development programme on "*Engineering drawing with AutoCAD*", organized by ***Geetanjali College*** *of Engineering and technology*, Hyd on 11th May, 2016.
3. Delivered lecture for the Employees of **RCI, Ministry of Defence**, for the Short term course on "*Mechanical engineering for Non –Mechanical engineers*" on 1st December 2015.
4. Was a one of the resource person for imparting training on ANSYS to **ISRO** scientists at SHAR, Sriharikota.
5. Delivered Lectures to Management trainees of **MIDHANI** on CAD/CAM and AutoCAD software.

Papers published in Journal:

1. **Srinivas Suri**, Dr. Manzoor Hussain, Dr. Abhijit Dutta, "*Superplastic forming using rectangular shape dies for process optimisation*", International journal of Engineering & Technology, ISSN:2319-6890, May 2018, Volume 7 Issue 3.6, pp 302-305, Scopus indexed

2. **Srinivas Suri**, Dr. Manzoor Hussain, Dr. Abhijit Dutta, "*Experimental investigation of hemispherical cup formation using superplastic blow forming of light alloys*"International Journal of Science and Innovative Engineering & Technology, ISSN:978-81-904760-9-6, May 2017, Volume 7 Issue Volume 4, pp 1-5, Scopus indexed

3. **Srinivas Suri**, Dr. Manzoor Hussain, Dr. Abhijit Dutta, "*Study of process parameters in gas pressure super plastic forming'* International journal of Engineering research, ISSN:2319-6890, Feb 2016, Volume 5 Issue Special2, pp 439-442

Papers Presented in International Conferences:

1. **Suri Srinivas**, Dr. Manzoor HussainDr. Abhijit Dutta, "*Superplastic forming using rectangular shape dies for process optimisation*", 2nd International Conference on Contemporary Engineering and Technology - 2018, organised by PottiSriramuluChalavadimallikarjuna Rao college of Engineering and Technology, Vijaywada, AP on 2-3 April, 2018.

2. **Suri Srinivas**, Dr. Manzoor Hussain Dr. Abhijit Dutta, "*Experimental Investigations of hemispherical cup formation using superplastic blow formation of light alloys*" 7th International Conference on Recent Engineering & Technology, Matrusri Engineering College, Hyderabad, 7th April, 2017.

Papers Presented in National Conferences:

1. **S.Srinivas**, Dr. Abhijit Dutta, Dr. Manzoor Hussain, "Study of process parameters in gas pressure super plastic forming' National conference on InnovativeTrends in Mechanical & Automobile Engineering organized by Department of Mechanical Engineering, MVSR Engineering College, Hyderabad, 11-12 February, 2016.
2. **S.Srinivas**, Dr. Abhijit Dutta, Dr. Manjoor Hussain, "*Optimization of Process Parameters for Superplastic Forming of Hemispherical Dome*" Two-day National Conference on RECENT INNOVATIONS IN MECHANICAL ENGINEERING (RIME - 2014) on November 21-22, 2014 Organized by Department of Mechanical Engineering,
3. **S.Srinivas**, AVSSKS Gupta, P.Kameswara Rao, "*Comparative Analysis Of Pinion Tooth of a Slitting Machine Gear Box Using FEA"***,** National conference on "*Trends and Innovations in Mechanical Engineering*", Organized by Department of Mechanical and Production Engineering, Deccan College of Engineering and Technology, Hyderabad, Andhra Pradesh, pp. no.24, March 5th & 6th, 2007.
4. Dr.P.Mallesham, and **S.Srinivas**, "*Computer Aided Design & advanced Surface Modelling*", National conference on "Advanced Trends in Manufacturing Engg", Palghat, Kerala – 14th and 15th February 2003.
5. Dr.P.Mallesham, **S.Srinivas**, Abhijit Dutta, VSR Murti, "Computer *Aided Solid Modelling"*, National conference on Emerging Trends in Production Engg., GPR Engg. College, Kurnool, 9th December, 2002.

Workshop / Conferences/Training organised:

1. **Course Coordinator** for a two week training program on "*Design modeling and analysis aspects of Mechanical and Automobile Engineering*" for B.E. III & IV the students from 27th June to 9th July 2016.
2. **Course Coordinator** for a four day course for CATIA V5R21 for B.E. III & IV the students of Mechanical & Automobile Engineering in Sep-Oct 2015.
3. **Course Coordinator** for a six day course for CATIA V5R21 for B.E. III & IV the students of Mechanical & Automobile Engineering in June 2013.
4. **Course Coordinator** for a six day course for CATIA V5R10 for B.E. III & IV the students of Mechanical & Production Engineering in January 2011.
5. **Course Coordinator** for a six day course for CATIA V5R10 for B.E. III & IV the students of Mechanical & Production Engineering in January 2011.
6. Organised a six days CAD course on CATIA V5R10 for B.E. III Year students in July 2010 as a **Course Coordinator.**
7. Organised a six days course on Pro/Engineer Wildfire -3 for B.E. III year students in January 2010 as an**Course Coordinator**.
8. "Late Sri LP Pujari Memorial Expert Lecture on 24th July, 2009, in MVSREC.
9. Engineers day on 15th September, 2008 at MVSREC.
10. "10 day programme on Pro-Engineer WF-2", from 27th June, 2008 to 6th July, 2008 for MVSR 3rd year and final year Students.
11. "Atharvana", a national level techfest on 12-13, March, 2008, under Samavarthan 2k8 and also in 2007 and 2006
12. Organised a six days CAD course on Autodesk Inventor for B.E. II Year students in December 2007.
13. "3 day workshop on Advanced Composite materials and their applications" from 2nd Nov. to 4th Nov., 2006, at MVSREC, Hyd.
14. Was a part of a team in organising 5 – Day refresher course on "Computer Aided Engineering" from 3rd July to 7th July, 2006.
15. Preparation of lab. Manual, front page design and souvenir and proceedings Book preparation for workshops and conferences independently, also actively participating in students Projects and activities.
16. Organising Guest lectures, workshops, seminars and short term courses for students.

Consultancy Work Involved:

1. Developed the solid model of a coil car used in steel industry for Pennar steels using solidworks software.
2. Developed the entire 3D model for *Brick laying machine*. The project duration was 2 months.
3. Developed the solid model of a Briquetting machine used in steel industry, Pennar steels using solidworks software.
4. **3-D solid modeling of a Cotton Press –** Was a part of a team for the project which deals with the design and development of cotton press which is used to press the cotton and produce bails of specified size. My role was to develop the CAD Model and drawings in AutoCAD software. The project was done for Chelmi Cotton and Chemicals Pvt. Limited., Hyderabad/ Guntur in the year 1999. The project duration was 5 months.
5. Solid modeling of a complete assembly for RCI called **EM mast in solidworks software**. The assembly contains 52 parts and was developed in Mechanical desktop software. The project duration was 2 months and completed in 2005.
6. Assisted the project called "**SOLAR STILL**". The capacity of the equipment being 5 ltrs./day. The role was to develop drawings for the system containing block diagrams and six parts. The project was done in 2005.
7. Developed a 3D model of a **Blank of a Piston** extension for 5.56 mm Rifle (INSAS) for a student project. The original drawings are from Ordinance factory board, Rifle factory, Ishapore. The project was done in May, 2006 and the duration was six days and modeled in SOLIDWORKS.
8. Developed 3D solid Model for **Touch – Sense Output Unit** for Embedded System. This large assembly consists of more than 900 parts, and was developed in SW. Duration: 15 days in Jan, 2006.
9. Developed a **Crankshaft** CAD model in SOLIDWORK for PG student in 2008. Project duration one month.
10. Developed a 3D model of High efficiency Stove Called *Good Stove* for villages.
11. Developed Drawings for VARIABLE THERMAL ELECTRONIC BUZZER in CAD software.
12. Apart from these many Mechanical and Civil projects were done.

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