Mr. Sai Kumar Anisetti

Designation: Assistant Professor

Qualification: M.E. (Master of Engineering)

Experience: 3 Years 7 Months

Specialization: Advanced Design & Manufacturing

Date of Joining: 10th July 2017

Phone Number: 9849161943

Email-Id: kumarsai220@cmrcet.org

Researcher Id: M-1594-2017

ORCID: 0000-0002-2975-1057

Academic Qualifications

M.E.: Advanced Design and Manufacturing,
2013-15
Osmania University, Hyderabad.

B.Tech.: Mechanical Engineering
2009-13
JNTU,Hyderabad

Work Experience

Current Employer: CMR College of Engineering & Technology, Hyderabad**.**
Designation: Assistant Professor, Mechanical Department.
Period: from July 2017 to till date.
- Teaching CATIA v5, AutoCAD, ANSYS, Machine Drawing, CADPD, CAD/CAM.
- AUTODESK Certified Professional in AUTOCAD 2018.
- AUTODESK Certified User in Fusion 360.

Previous Employer: **HARITHA Technologies Pvt. Ltd., pune.**
Designation: Design Engineer (Automotive Seating)
Period: from Jan. 2017 to May 2017.
- Experience in Foam modeling using Foam and set design guidelines.
- Experience in sheet metal seating structure design using sheet metal and seating guidelines.
- Creation of Metal Structures & brackets such as Leg mounting bracket, Seat belt mounting Bracket, Riser, Pivot & Hinge bracket, Recliner A & B brackets in CAD and creation of metal strengthening features like flange, beads, dimple.

- Back frame & cushion Frame Pipe structure and Rod design.
- Creation of 2D drawings with GD & T.
- Good knowledge of Metal manufacturing process: Forming, Blanking, Piercing, Lancing etc.

Project 1: Foam Modeling
CAD Software: CATIA V5 R21
Role: Project coordinator**Team Size**: 4
Responsibilities:
• Responsibility included Modeling of Foam in CATIA V5
Project 2: Cushion Pan & Side Bracket Design.
CAD Software: CATIA V5 R21
Role: Project coordinator**Team Size**: 2
Responsibilities:
• Responsibility included Modeling of Cushion Pan in CATIA V5
Project 3: Modeling & Detailing for Seat Track Assembly
CAD Software: CATIA V5 R21
  Role: Project coordinator**Team Size**: 5
Responsibilities:
Responsibility included Quality check for Models & drawing with customer standards
Project 4: Complete seat structure assembly
CAD Software: CATIA V5 R21
Role: Project member**Team Size**: 2
Regulation awareness ECE:
ECE R21 - Interior fitting
ECE R14 - SBA
ECE R16 – SBR & ISOFIX Child seat

Previous Employer 2: CAADSOFT GLOBAL SOLUTIONS, Hyderabad
Client: Motherson Automotive Technologies & Engineering, chennai.
Designation: Design Engineer (Automotive Interior and Exterior Trims)
Period: from Dec. 2015 to Dec. 2016
- Experience in Interior and Exterior component design.
- Worked on Projects for Passenger Cars like Door trims, A-Pillar trims and Front and Rear Bumpers.
- Work experience in conversion from un-parametric model to converting into parametric models like Plastic, casting and sheet metal components.
- Experience in packaging the trims considering the environment data to check assembly process and mating faces and clashes etc.
- Proficient in Plastic Trim design – in surface/solid modeling and assembly design using CATIA V5
- Having good Analytical, Problem Solving and Communication Skills.
- Proficient in Re-mastering of complex components.
- Very Good Knowledge on 3D Annotations and Drawing creation

Major Projects:

Project 1: Deign Of Door Trim Panel
Project 2: Design Of Switch Bezel
Project 3: Design Of Front Bumper Cover
Project 4: Design OF Front Bumper
Project 5: Design of Mudguard Trim Rear
Project 6: Design of headliner.

Project 7: Design of Map Pocket.
CAD Software: CATIA V5 R21 P3
Description
- These Projects involves design and development of plastic components.
- This involves making of master sections for Checking Mounting Feasibility with environment data and Interfaces.
- Considering minimum draft performed styling feasibility study on A-Surface like checking tangential errors and connex errors, Draft analysis as per given tooling direction
- Generated Class B and closing surface to obtain closed body.
- Developed engineering features locators, ribs, bosses, snaps and doghouses which are designed as per master sections and the environmental data proposed.
- Performed draft analysis to find out the best Tooling Direction.
- Created parting line.
- Generating detail drawings for door trim parts and Appling GD&T.

Journal Publications

1. **AnisettiSai Kumar**, "Linear-Buckling Analysis of Cylindrical Shells Subjected to External Pressure", Global Journal of Engineering Science and Researches(GJSER), ISSN Print: 2348-8034, December 2018, pp.251–263, Article ID: GJSER_0032. Link

2. **Anisetti, Sai Kumar**. "Optimization of Abrasive Water Jet Cutting Process Parameters Using Genetic Algorithm.", CMR Journal of Engineering and Technology, Vol.2 Issue.2 April, 2018.Link

3. **Sai Kumar**, "Torsional Buckling Response of Open Cross Section Structures Lying on Winkler-Pasternak Soil Via Dynamic Matrix Method", International Journal of Civil Engineering and Technology (IJCIET), ISSN Print: 0976-6308, Volume 8, Issue 8, August 2017, pp.398–407, Article ID: IJCIET_08_08_040. Link

4. PV Gopal Krishna, Podila Meghana, **A. Sai Kumar**, and K. Kishore. "Design and Analysis of Carbon Fiber Reinforced Composite Shell Structure Using Classical Laminate Plate Theory", British Journal of Applied Science & Technology, SCIENCEDOMAIN International, 20(1): 1-12, 2017; Article no.BJAST.31981 ISSN: 2231-0843, NLM ID: 101664541.Link

5. **A. Sai Kumar**, K. Srinivasa Rao, "Torsional Vibrations of Doubly-Symmetric Thin-Walled I-Beams Resting On Winkler-Pasternak Foundation Using Dynamic Matrix Method", International Journal of Civil, Structural, Environmental and Infrastructure Engineering Research and Development, (ISSN (Print): 2249-6866, Impact Factor (JCC) (2015): 5.9234, Vol - 6, Issue – 1, Feb2016, PP. 31-50.Link

6. **A. Sai Kumar**, K. Jeevan Reddy, "The Influence of Warping and Winkler-Pasternak Soil on the Torsional Vibrations of Thin-Walled Open Section Beams with Guided-End Conditions", International Journal of Research in Engineering & Technology (IJRET), ISSN (E): 2321-8843; ISSN (P): 2347-4599, Volume 4, Issue 1, Jan 2016, pp. 15-28.Link

Conferences

1. **A Sai Kumar**, K. Srinivasa Rao, M Radhakrishna, "Dynamic Stiffness Analysis Of Torsional Vibrations Of Thin-Walled Open-Section Beams Resting On Winkler-Pasternak Foundation", Proceedings of the 5th National Conference on Advances in Mechanical Engineering (AIM-2015), under TEQIP-II, Organized by Dept. of Mechanical Engineering, VCE, 1-2 May 2015, pp. 30-40.

Faculty Development Programs / Workshops

S.No.	Name Of FDP	Organizedby	Duration
1	Faculty Development program on "Machine Learning & Its Applications"	National Institute of Technology Warangal. & MHRD Govt. of India& SRIT	$10^{th} - 15^{th}$ June 2019
2	Faculty Development program on "Advanced Deep Learning Techniques"	National Institute of Technology Warangal. & MHRD Govt. of India&KL University	$13^{th} - 18^{th}$ May 2019
3	5-day Faculty Development Program on Autodesk inventor	ICT Academy, Chennai & CMR college of Engineering & Technology, Hyderabad	22nd to 27th January 2018
4	Faculty Development program on research Process, Publications, Evaluation & Challenges in Research	Loyola academy degree & PG College, Alwal, Secunderabad.	21-10-2017
5	1-week Faculty Development Program on Engineering Graphics	CMR college of Engineering & Technology, Hyderabad	24th July $- 29^{th}$ July 2017

Induction Training Program

S. No.	Name Of FDP	Organized by	Duration
1	1 Month Induction Training Programme for Faculty in Universities/college/institutes/ of higher education	Teaching Learning Centre (TLC), National Institute of Technology Warangal. & MHRD Govt. of India.	9th April – 6th May 2018.

Memberships in Professional Bodies

S. No.	Name Of Professional Body	ID	Status
1	International Association of Engineers	223855	Lifetime

Achievements

1. **DASSAULT SYSTÈMES**® Certified Professional in **SOLIDWORKS**® 2018: a solid modeling CAD and CAE computer program.
2. **AUTODESK**® Certified Professional in **AUTOCAD**® 2018.
3. **AUTODESK**® Certified User in**FUSION 360**®.
4. A new simplified MATLAB program was developed which consists of master and sub program to solve any non-linear highly transcendental equation and was published in MATLAB online file exchange covered by the BSD license.