

ASHWIN SHETTY

Amruth Nivas
Bondanthila Post & Village
Mangalore Taluk
Dakshina Kannada-575029
Karnataka
India.

Email Id: ashwins@sjec.ac.in

Mobile No: 9844585022

OBJECTIVE

Seeking a position to utilise my skills and abilities in an organisation that offers opportunities for professional growth while contributing to the organisation by being resourceful, innovative, and flexible.

WORK EXPERIENCE

1. Assistant Professor in the Department of Mechanical Engineering at St Joseph Engineering College, Mangaluru from August 2011 to date.
2. Lecturer at Government ITI, Mangaluru, for 3 months.

EDUCATIONAL QUALIFICATION

Course	Institution	Year	Percentage
PhD (VTU)	Shree Madhwa Vadiraja Institute of Technology and Management, Udupi, Karnataka	2025	-
MTech in CAMS (VTU)	St. Joseph Engineering College, Mangalore, Karnataka	2014	73.95
B.E in Mechanical Engineering (VTU)	St. Joseph Engineering College, Mangalore, Karnataka	2011	62.93
Diploma	Karnataka Polytechnic Mangalore	2007	70.70
SSLC	Amruthlalji high school, Kelarai	2002	72.00

COMPUTER /SOFTWARE PROFICIENCY

- Operating System: Windows and Linux
- Packages: MS Office, Google Suite
- CAD/CAM/CAE Packages: Solid Edge, Ansys, CADEM

PERSONAL SKILLS

- Ability to deal with people diplomatically, team facilitator and hard worker.
- Quick learner and eagerness to explore and learn.
- Willingness to take responsibility to achieve the target within the given scheduled time.
- Hard work, diligence and honesty are my strengths.
- Excellent written and verbal communication skills in English as well as local languages
- Above all, a self-motivated ability to stay flexible and work under pressure.

PROJECTS UNDERTAKEN

- **Effect of Trace Element Magnesium on the Mechanical and Wear Behaviour of Si C Reinforced Al-Si Eutectic Metal Matrix Composite**
- **Heat Transfer Analysis in Perforated Fins through Natural Convection**
- **Analysis of Aluminum-Silicon Alloys with different Compositions**

PAPERS PRESENTED IN CONFERENCES

Sudheer, M; Shetty, A; Somayaji, S. (2015, August 8). Finite element investigations of temperature distribution in fins with circular perforations. *National Conference on Emerging Trends in Mechanical Engineering (eTIME-2015)*, SJEC, Mangaluru.

Shetty, A; Nayak, M; Shetty, N; D'mello, R; Naik, V; Yathish, K; Poornesh, M. (2017, July). Design and fabrication of paddy cleaning machine. *National Conference on Emerging Trends in Mechanical Engineering (eTIME-2017)*, SJEC, Mangaluru.

Kulal, Y K; Moraba, A C; Deekshith, D; Kumar, S; Shetty, A; Kaliveer, V. (2020, May). Automatic tyre inflation system for heavy vehicles. *AIP Conference Proceedings*, 2236(1), 050010. <https://doi.org/10.1063/5.0010372>

Kulal, Y K; Attavara, T; Ahmed, S; Munaz, A S; Badimoole, A M; Shetty, A; Kaliveer, V. (2020, May). Portable wall-putti applying machine. *AIP Conference Proceedings*, 2236(1), 050008. <https://doi.org/10.1063/5.0010371>

JOURNAL PUBLICATIONS

1. Shetty, A; Bhat, T; Mangalore, P; Hegde, A; Sharma, S; M C, G; D, S. (2024). *Contribution of Mg dissolution on the age hardening characteristics of SiC reinforced Al-Si alloy composites.* **Cogent Engineering**, 11(1). <https://doi.org/10.1080/23311916.2024.2396041>

2. Shetty, A; Bhat, T; Sharma, S; Hegde, A; Nithesh, K; Prabhu, R; Anne, G. (2024). *Effects of magnesium content and age hardening parameters on the hardness and ultimate tensile strength of SiC reinforced Al–Si–Mg composites*. **Journal of Composite Science**.
3. Shetty, A; Bhat, T; Sharma, S; Prabhu, R; Hegde, A; Nithesh, K; Anne, G. (2024). *Modeling and analysis of the effects of age hardening, magnesium dissolution, and SiC reinforcement on wear properties in eutectic Al–Si composites using full factorial techniques*. **Materials Research Express**, 11(12), 126513. <https://doi.org/10.1088/2053-1591/ad9f25>
4. Shetty, A; Bhat, T; Sharma, S; Mangalore, P; Hegde, A; et al. (2025). *Effect of Magnesium Solubility in Eutectic Al–Si Matrix SiC Composites on the Mechanical Properties*. **Journal of Materials Research and Technology**, Elsevier B.V.
5. Toney, G; Bhat, S; Kaliveer, V; KG, B; D'Silva, R; Shetty, A; Singh, A B. (2024). *Nurturing future engineers through industry-oriented training: The imperative of core competencies*. **Journal of Engineering Education Transformations**, 931–938.
6. Shetty, A; Nayak, M; Shetty, N; D'mello, R; Naik, V; Yathish, K; Poornesh, M. (2017). *Design and fabrication of paddy cleaning machine*. **Journal of Mechanical Engineering and Automation**, 7(5), 145–149.
7. Sudheer, M; Shetty, A; Somayaji, S. (2015). *Finite element investigations of temperature distribution in fins with circular perforations*. **American Journal of Materials Science**, 5(3).

EXTRACURRICULAR ACHIEVEMENTS

- Participated in school and college level Essay and Drama competitions and received applaus.
- Had been a member in coordinating an inauguration of mechanical engineering students' association "TORQUE" for the year 2010-11.
- Had been a member in coordinating an event "MAGNITUDE 2.0" the state-level technical and non-technical competition in the year 2011 under mechanical student association "TORQUE".
- Undergone industrial training at VTU-BOSCH REXROTH CENTRE OF COMPETENCE IN AUTOMATION TECHNOLOGY, Mysore in the field of Basic Hydraulics and Pneumatics
- Undergone a training in Auto CADD at CADD Centre, Mangalore in the year 2007.

PERSONAL DETAILS

Name in full : ASHWIN SHETTY

Date of Birth : 14-03-1986

Gender : MALE

Father's Name : BHASKAR SHETTY

Mother's Name : LEELA B SHETTY

Nationality : INDIAN

Language Proficiency : English, Hindi, Kannada, Tulu.

Hobbies : Reading books, Watching TV, Swimming, Playing games, Listening to music etc.

References : 1. Dr Thirumaleshwar Bhat, Principal, SMVITM
2. Dr Rio D'Souza, Principal, SJEC

I hereby declare that all the details furnished above are true to the best of my knowledge.

Place: Mangaluru

Date: 9 March 2022

ASHWIN SHETTY