

## **RESUME**

### **Office Address**

Associate Professor  
Department of Mechanical  
Engineering,  
Engineering & Technology Program  
Rushikonda, Visakhapatnam-530045  
Tel.: +91 9848855111  
E-mail: gireeshhima@gvpcdpgc.edu.in

### **Dr.Ch. Himagireesh**

**Born on 25-08-1985 at  
Visakhapatnam,  
Andhra Pradesh, India.**



### **Home Address**

D.No.39-9-17-4/12,  
Sree Ganesh Sadhan, Flat No.304  
Muralinagar,  
Visakhapatnam-530007  
Phone: +91 9346093417  
Aadhaar Number:778786021812  
E-mail: gireeshhima@gmail.com

## **EDUCATIONAL QUALIFICATIONS**

- Completed Doctor of Philosophy (**PhD**) in 2021 in Department of Mechanical Engineering at Andhra University College Of Engineering, Andhra University, Visakhapatnam.
- Completed MASTERS IN ENGINEERING with CAD/CAM specialization with 7.11 CGPA during 2009-2011 from Andhra University College of Engineering, Andhra University, Visakhapatnam
- Completed BACHELOR OF TECHNOLOGY with MECHANICAL ENGINEERING as specialization with 66.52% during 2002-2006 from Gudlavalleru Engineering College affiliated to JNTU, Hyderabad.
- Completed BOARD OF INTERMEDIATE (INTER) with 81.1% in the year 2002 at Vikas Junior College.
- Completed SECONDARY SCHOOL CERTIFICATE (SSC) with 78% in the year 2000 at Madhava Murali Vidya Kendram, Visakhapatnam.

## **WORK EXPERIENCE: 14 Years 1 Month 3 days**

- ❖ **Working as Associate professor in Gayathi Vidya Parishad College for Degree & PG Courses, Engineering and Technology program, Rushikonda, Visakhapatnam from APR 2023 to till date**
- ❖ **Worked as Assistant professor in Gayathri Vidya Parishad College for Degree & PG Courses, Engineering and Technology program, Rushikonda, Visakhapatnam from JUN 2013 to APR 2023**

***Academics:***

- Subjects Taught: Strength of Materials, Advanced Strength of materials, Engineering Graphics
- Labs Handled: Strength of Materials, Metrology and Mechatronics, Manufacturing Technology, CAD (Computer Aided Design), Work Shop.

***Administration:***

- Presently acted as Department Placement Coordinator.
- Worked as coordinator of Department Internal Examination Cell.
- Worked as Department coordinator for External Examination Cell.
- Worked as an Attendance In charge.

❖ **Worked as Assistant professor in SITAM Engineering College, Vizianagaram from JUL 2012 to MAY 2013.**

***Academics:***

- Subjects Taught: Mechanics of Solids-I, Mechanics of Solids-II, Engineering Graphics.
- Labs Handled: Strength of Materials, Manufacturing Technology.

❖ **Worked as a Assistant professor in Welfare Institute of Science Technology & Management from JUL 2011 to JUN 2012.**

***Academics:***

- Subjects Taught: Mechanics of Solids-I, Mechanics of Solids-II, Theory of Machines, Engineering Graphics.
- Labs Handled: Strength of Materials, Metrology and Mechatronics.

***Administration:***

- Acted as In-charge HOD.
- Worked as Class Teacher.

❖ **Worked as a Assistant Professor in Avanti Institute Of Engineering and Technology from AUG 2007 to OCT 2009.**

***Academics:***

Subjects Taught: Strength of Materials, Engineering Mechanics, Engineering Graphics and CAD.

RESEARCH INFORMATION	
ORCID ID	: 0000-0002-8061-8980
Papers in Journals	: 8 (International : 7 National: 1)
Papers in Conference Proceedings	: 5 (International : 5 National: 0)
Papers Indexed in Scopus	: 12
Papers Indexed in ESCI/SCIE/SCI	: 2
Google Scholar Citations	: 237 (h-index : 4 i10 index: 2 ) (as on 04/06/2024)
Published Book Chapters	: 3
No. of B.Tech Projects Guided	: 21
PUBLICATION OF PAPERS IN NATIONAL JOURNALS	
1. PavanKumar Konchanda, P.V.Vinay, <b>Ch.Himagireesh</b> , “ <b>AUGMENTATION OF HEATTRANSFER IN A TROUGH SHAPED SOLAR COLLECTOR COMPARED TO FLAT PLATE COLLECTOR USING CFD</b> ” Journal of thermal engineering and applications. Vol.1, No.3 (2014)	
PUBLICATION OF PAPERS IN INTERNATIONAL JOURNALS	
2. <b>Ch. Himagireesh</b> , Ramji, K., Prasad, K. D., & Kiran, V. H., “ <b>MULTI-CRITERIA DECISION MODEL FOR SELECTION OF A MATERIAL SUITABLE TO LIGHTNING STRIKE PROTECTION IN AEROSPACE APPLICATIONS.</b> ” Materials Today: Proceedings. (2022) (SCOPUS)	
3. Y. Appa Rao ,Koonna, R., & <b>Ch.Himagireesh</b> , “ <b>Selection of Optimum Hybrid Composite Material for Structural Applications Through TOPSIS Technique.</b> ” International Journal of Surface Engineering and Interdisciplinary Materials Science (IJSEIMS), 10(1), 1-15. (2022) (SCOPUS)	
4. Prasad, K. D., Murthy, P. K., <b>Ch. Himagireesh.</b> , & Sravani, K. D. S. (2022). “ <b>Conceptual design of ergonomic food truck using QFD-GRA-DSM hybrid methodology-a case study.</b> ” International Journal of Industrial and Systems Engineering, 40(2), 255-275. (2022) (SCOPUS)	

5. Prasad, K. D., Murthy, P. K., **Ch.Himagireesh**, Prasad, M., & Sravani, K. **“PRIORITIZATION OF E-WASTE MANAGEMENT STRATEGIES TOWARDS GREEN COMPUTING USING AHP-QFD APPROACH.”** *Proc. Eng*, 3, 33-40.(2021) (SCOPUS)
6. Kishore, N. P., Shaik, T., Ch.Himagireesh, Prasad, K. D., & Alekhya, N. **“CRYOGENIC HEAT TREATMENT PROCESS FOR D2 STEEL & M2 STEEL.”** In *AIP Conference Proceedings* (Vol. 2269, No. 1, p. 030082). AIP Publishing LLC.(2020) (SCOPUS)
7. Ch.Himagireesh, Ramji, K., Prasad, K. D., & Srinu, B. (2019). **“STUDY OF MECHANICAL PROPERTIES AND EMI SHIELDING BEHAVIOUR OF AL6061 HYBRID METAL MATRIX COMPOSITES.”** *International Journal of Surface Engineering and Interdisciplinary Materials Science (IJSEIMS)*, 7(2), 48-63.(2019) (SCOPUS)
8. Ramji K., **Ch Himagireesh**, **“EXPERIMENTAL INVESTIGATION ON MECHANICAL PROPERTIES OF AL 6061 METAL MATRIX COMPOSITE REINFORCED WITH ALOE VERA POWDER”** *International Journal of Engineering and Advanced Technology (IJEAT)*,8(4),1519-1522.(2019) (Scopus covered upto 2019)
9. **Ch Himagireesh.**, Durga Prasad, K. G., & Ramji, K. (2018). “Experimental investigation on mechanical properties of an Al6061 hybrid metal matrix composite.” *Journal of Composites Science*, 2(3), 49.(2018) (SCOPUS & ESCI)
10. **Ch.Himagireesh**, Ramji, K., **“ELECTROMAGNETIC SHIELDING EFFECTIVENESS OF AL6061 HYBRID METAL MATRIX COMPOSITES”** *Jour of Adv Research in Dynamical & Control Systems*,10(5),389-395.(2018) (Scopus covered upto 2019)
11. **Ch.Himagireesh.** Prasad, K. D., Ramji, K., & Vinay, P. V. **“MECHANICAL CHARACTERIZATION OF ALUMINIUM METAL MATRIX COMPOSITE REINFORCED WITH ALOE VERA POWDER.”** *Materials Today: Proceedings*, 5(2), 3289-3297. (2018). (SCOPUS)
12. Durga Prasad, K. G., Prasad, M. V., Ch.Himagireesh., & Chaitanya, V. V. V. N. K. **“QFD-BASED ERGONOMIC DESIGN OF DRAFTING TABLE FOR ENGINEERING STUDENTS: A CASE STUDY.”** In *Ergonomic Design of Products and Worksystems-21st Century Perspectives of Asia* (pp. 139-153). Springer, Singapore. (2018).(SCOPUS)
13. Prasad, K. D., Subbaiah, K. V., **Ch.Himagireesh** & Koushik, U. **“EVALUATION OF CONCEPTUAL PRODUCT DESIGN SOLUTIONS USING HOUSE OF QUALITY-TOPSIS.”** *SSRG International Journal of Mechanical Engineering (IJME)*, 206-212 (2017).

### **PUBLICATION OF CHAPTER (S) IN BOOKS**

1. K.G.Durga Prasad, M.V.Prasad, **Ch.Hima Gireesh** and V.V.V.N.K.Chaitanya (2017): ‘QFD-based conceptual design of ergonomic drafting table for engineering students’, *Management of Ergonomic design, Industrial safety and Healthcare systems*, Springer.
2. Ch.Himagireesh, Ramji, K., Prasad, K. D., & Srinu, B. (2019). “Study of mechanical properties and emi shielding behaviour of al6061 hybrid metal matrix composites.”, *Research Anthology on Reliability and Safety in Aviation Systems, Spacecraft, and Air Transport*, IGI Global.

### **SHORT TERM COURSES / WORKSHOPS/SEMINARS**

1. Participated in Two day National Workshop on “**ADVANCES IN MANUFACTURING PROCESSES (AMP)**” conducted by the Department of Mechanical Engineering, University College of Engineering, **JNTU, Vizianagaram**, held on 28-2-2014 & 1-3-2014
2. Participated in Two day National Workshop on “**CHALLENGES AND LATEST TRENDS IN NANOCOMPOSITES**”-(CLTNC-2014) conducted by Centre for NANOTECHNOLOGY, Andhra University College of engineering (A), Andhra University, Visakhapatnam, held on 04-9-2014 & 05-9-2014
3. Participated in One Week National level short term course on “**SYSTEM MODELLING, SIMULATION & ADVANCED OPTIMISATION TOOLS FOR NANOTECHNOLOGY APPLICATIONS-2016**” conducted by Centre for NANOTECHNOLOGY, Andhra university college of engineering(A),Andhra University, Visakhapatnam, held during 19-9-2016
4. Participated in three days National level work shop on “**COMPUTATIONAL METHODOLOGIES IN MECHANICAL ENGINEERING**” conducted by Depart Of Mechanical Enginnering, School Of Engineering, Gayatri Vidya Parishad Degree & P.G Courses(A),Visakhapatnam, held during 09-03-2017 – 11-03-2017.

### **PUBLICATION OF ABSTRACTS IN PROCEEDINGS OF CONFERENCES**

1. K.G.Durga Prasad, M.V.Prasad, **Ch.Himagireesh** and V.V.V.N.K.Chaitanya (2016): ‘QFD-based conceptual design of Ergonomic drafting table for engineering students’, *Proceedings of the International Conference on Management of Ergonomic design, Industrial safety and Healthcare systems (MESH)* held at IIT, Kharagpur, during 20-23, December.

2. K.G.Durga Prasad, K.Venkata Subbaiah, G.V.Gourav and **Ch.Himagireesh** (2017): ‘QFD-frame work for enhancing quality in engineering educational institutions, *Proceedings of the International Symposium on Social Business and Sustainable Development (SBSD)* held at Andhra University, Visakhapatnam, during 5-7, January.
3. **Ch.Himagireesh**, K.G.Durga Prasad, K.Ramji, and P.V.Vinay (2017): ‘Mechanical Characterization of Aluminium based metal matrix composite reinforced with Alovera Powder’, *Proceedings of the International Conference on Material Processing and Characterization (ICMPC)* held at **GRIET, Hyderabad**, during 17-19, March.
4. **Ch.Himagireesh**, K.Ramji, K.G.Durga Prasad, and V.Harikiran (2021): ‘Multi-criteria decision model for selection of a material suitable to lightning strike protection in aerospace applications.’ *The 2021 Third International Conference on Recent Advances in Materials and Manufacturing (ICRAMM 2021)* held at Department of Mechanical Engineering, D.Y. Patil College of Engineering and Technology. Kolhapur, Maharastra, India during 25 – 26, November 2021.

#### **CONSULTANCY WORKS**

1. Worked as Co-Investigator for the design and analysis of **50 TON SWL SPREADER BEAM (LIFTING BEAM)**

<b>Principal Investigator</b>	<b>:</b>	<b>Prof. K. Ramji</b> <b>Dept. of Mechanical Engg.</b> <b>AUCE (A), Andhra University</b> <b>Visakhapatnam – 530 003</b>
<b>Client</b>	<b>:</b>	<b>M.Raj &amp; Co.</b> <b>D/No: 28-9-7, Suryabagh,</b> <b>Visakhapatnam,</b> <b>Andhra Pradesh.</b>

**SPONSORED RESEARCH PROJECTS**

1. Working as a **Co-Investigator** for the project sanctioned by **MSME** (Ministry of Micro, Small & Medium Enterprises) in **HACKATHON-2022**

**TITLE OF PROJECT:** “Low cost manual tuber vegetable product cleaning

machine” **Principal Investigator** : **Prof. P.V.Vinay**  
**Dept. of Mechanical Engg.**  
**Engineering & Technology**  
**Program GVP College for**  
**Degree and PG Courses (A)**  
**Rushikonda, Visakhapatnam**  
**Visakhapatnam – 530 045**

**Sanctioned amount of Project** : **Three Lakh Twenty Thousand Rupees (3, 20,000 Rs)**

2. Applied a project to **SERB** (Science and Engineering Research Board) under the category of **CRG (Core Research Grant)-2022** as a **Principal Investigator**.

**TITLE OF PROJECT:** “Experimental Investigation on Thermo-mechanical Characteristics and EMI shielding behavior of Al 6061 Metal Matrix Composite Reinforced with SiO<sub>2</sub> and B<sub>4</sub>C for Lightning strike protection in Aerospace applications”

**Budget of the Project** : **Forty eight lakh forty five thousand two hundred Rupees (48, 45,200 Rs)**

3. Applied a project as a **Co-Investigator** to **MSME** (Ministry of Micro, Small & Medium Enterprises) in **HACKATHON 2.0-2022**

**TITLE OF PROJECT:** “Design and development of a low cost Jackfruit processing unit.”

**Principal Investigator** : **Dr. C Raghavendra**  
**Department of Respiratory**  
**Medicine Engineering &**  
**Technology Program Gayatri**  
**Vidya Parishad**  
**Institute of Health Care and Techno**

**Budget of the Project** : **Eight Lakh Rupees (8, 00,000 Rs)**

**(Dr.Ch.Himagireesh)**