

RESUME

Office Address

Assistant Professor
Department of Mechanical
Engineering,
Gayatri Vidya Parishad
College for Degree and PG Courses
Engineering & Technology Program
Rushikonda, Visakhapatnam-530045
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Dr.Ch.Himagireesh

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



Home Address

D.No.39-10-22/2,
MuraliNagar,
Opposite Lane of GVMC High
school
Muralinagar,
Visakhapatnam-530007
Phone:+91 9346093417
Aadhaar Number:778786021812
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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 Gayathi 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, **Ch.Himagireesh** , “**AUGMENTATION OF HEATTRANSFER IN A TROUGH SHAPED SOLAR COLLECTOR COMPARED TO FLAT PLATE COLLECTOR USING CFD**” Journal of thermal engineering and applications. Vol.1, No.3 (2014)

PUBLICATION OF PAPERS IN INTERNATIONAL JOURNALS

2. **Ch.Himagireesh**, Ramji, K., Prasad, K. D., & Kiran, V. H., “**MULTI-CRITERIA DECISION MODEL FOR SELECTION OF A MATERIAL SUITABLE TO LIGHTNING STRIKE PROTECTION IN AEROSPACE APPLICATIONS.**” Materials Today: Proceedings. (2022) (SCOPUS)
3. Y. Appa Rao ,Koonna, R., & **Ch.Himagireesh**, “**Selection of Optimum Hybrid Composite Material for Structural Applications Through TOPSIS Technique.**” International Journal of Surface Engineering and Interdisciplinary Materials Science (IJSEIMS), 10(1), 1-15.(2022) (SCOPUS)
4. Prasad, K. D., Murthy, P. K., **Ch.Himagireesh.**, & Sravani, K. D. S. (2022). “**Conceptual design of ergonomic food truck using QFD-GRA-DSM hybrid methodology-a case study.**” 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, Maharashtra, 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)**

Principal Investigator : **Prof. K. Ramji**
Dept. of Mechanical Engg.
AUCE (A), Andhra University
Visakhapatnam – 530 003

Client : **M.Raj & Co.**
D/No: 28-9-7, Suryabagh,
Visakhapatnam,
Andhra Pradesh.

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 SiO₂ and B₄C 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)