CURRICULUM VITAE

ROMALA RAJESH

Assistant Professor, Department of Mechanical Engineering,
Gayatri Vidya Parishad College for Degree and PG Courses (A), Visakhapatnam,

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Contact Number: +918309130566

Career Objectives:

To work for a challenge and responsible position for a growth oriented organization, where I can learn, innovate and implement my skills for the betterment of the organization/institution.

Academic Qualification:

COURSE	UNIVERSITY/ BOARD	INSTITUTE	YEAR OF PASS	PERCENTAGE	DIVISION
PH.D	ANDHRA UNIVERSITY	ANDHRA UNIVERSITY	2020(JOINED)		PURSUING
M.TECH (THERMAL ENGINEERING)	ANDHRA UNIVERSITY	ANDHRA UNIVERSITY	2017	79.5%	FIRST CLASS WITH DISTINCTION
B.TECH (MECHANICAL ENGINEERING)	JNTU KAKINADA (GOVERNMENT UNIVERSITY)	BABA INSTITUTE OF TECHNOLOGY AND SCIENCES, VISAKHAPATNAM.	2015	70.30%	FIRST CLASS
DIPLOMA (MECHANICAL ENGINEERING)	SBTET (GOVERNMENT COLLEGE)	NARSIPATNAM GOVERNMENT POLYTECHNIC COLLEGE	2012	73.3%	FIRST CLASS
SSC	BOARD OF SECONDARY EDUCATION ANDHRAPRADESH	K.D.P.M HIGH SCHOOL(VIZAG)	2009	83%	FIRST CLASS

Software Proficiency:

- Software known : M.S Office, Auto cad.

Project Details:

Ph.d level:

Title: Mechanical, Thermal and Electrical properties identification on Aluminum graphite based hybrid composite materials.
Team members: 1
Role: Research Scholar

M. Tech level:
Title: Evaluation of work output and efficiencies of combined cycle power plant.
Team members: 1
Role: Project leader

B. Tech level:
Title: Conversion of fuel from waste plastic.
Team members: 5
Role: Project leader

Diploma level:
Title: Fabrication of solar grass cutter
Team members: 5
Role: Project leader

Paper publications:

International:

- **"The mechanical and tribological properties of composites of nano graphene and an aluminium metal matrix were studied, as was their corrosion behaviour, in order to develop materials suitable for use as shielding materials"** IOP Conf. Series: Materials Science and Engineering, Volume 1300, Issue-1,April 2024,Page Number:1-7.**(SCOPUS)**

- **"Conversion of Waste Plastic into Burning Oil: Review"** International Journal of Management, Technology And Engineering, Volume 8, Issue XII, December/2018, Page Number: 3579-3587. ISSN NO: 2249-7455.

- **"Thermal Efficiency of Combined Cycle Power Plant"** International Journal of Engineering and Management Research.Volume-8, Issue-3, June 2018, Page Number: 229-234, DOI: doi.org/10.31033/ijemr.8.3.30, ISSN (PRINT): 2394-6962.

- **"Numerical and Experimental Analysis of Thermal Performance in a Parallel Flow and Counter Flow Double Pipe Heat Exchanger"** International Journal of Engineering, Science and Mathematics.Vol.6, Issue 8, December 2017(special issue) ISSN: 2320-0294 Impact Factor: 6.765.

Patents published:

- **Application number:** 202241041111
  Title of invention: Manufacturing of high-performance marine grade steel with improved mechanical behavior
  Date of filing: 19/07/2022
  Publication date (u/s 11a): 19/08/2022

- **Application number:** 202241009235
  Title of invention: Eco-friendly waterproof and non-flammable marine cable
  Date of filing: 22/02/2022
  Publication date (u/s 11a): 04/03/2022

- **Application number:**202141055575
  Title of invention: Manufacturing of enhanced conductive polymer composites
  Date of filing: 01/12/2021
  Publication date (u/s 11a):10/12/2021

Teaching experience:

S.NO	INSTITUTE	PERIOD	DESIGNATION
1	Baba institute of technology and sciences, Vishakhapatnam, Andrapradesh	22–02–2016 To 30–11–2017	Teaching Assistant
2	Baba institute of technology and sciences, Vishakhapatnam, Andrapradesh	01–12–2017 To 02–12–2024	Assistant Professor
3	Gayatri Vidya Parishad College for Degree and PG Courses (A), Visakhapatnam	04–12–2021 To Till Date	Assistant Professor

Industrial Visit:

- One day industrial visit Steel plant, Visakhapatnam.
- One day industrial visit Shipyard Visakhapatnam.
- One day industrial visit HPCL Visakhapatnam.

Industrial training:

- Six months industrial training in **Visakha Steel Alloids**.

Conferences attended:

International:

- Participated in **INTERNATIONAL CONFERENCE ON MATHEMATICAL SCIENCES & ENGINEERING APPLICATIONS** in BITS vizag, 22nd-24th December, 2017.Participated in **INTERNATIONAL CONFERENCE ON MATHEMATICAL SCIENCES & ENGINEERING APPLICATIONS** in BITS vizag, 23rd-25th December, 2016.

National:

- Attended to national conference on **RECENT TRENDS IN MECHANICAL ENGINEERING**, 7th-8th march, 2014 held by mechanical engineering section of **MRAGR GOVERNMENT POLYTECHNIC, VIZIANAGARAM, INDIA.**

Workshops attended:

- Participated in two day work shop on **SIXTH SENSE ROBOTICS** held on 17th & 18th of August, 2018 in BITS vizag.
- Participated in two day work shop on **BASIC AUTOMOBILE ENGINEERING AND MOTORSPORTS** held on 28th & 29th of July, 2017 in BITS vizag.
- Participated in on day workshop on LOW COST SOLAR ENERGY, 28th September, 2014.organised by the **INSTITUTE OF ENGINEERS (INDIA) VISAKHAPATNAM.**

Faculty development programs attended:

- Participated in the 2-week online international Faculty Development Programme on "**RECENT ADVANCES IN MATERIALS AND CHALLENGES IN MANUFACTURING TECHNIQUES"** Organizedby the **Department of Mechanical Engineering**, **University college of engineering Kakinada(A),JNTUK,Kakinada held during 07th Feb-19th Feb 2022**.

- Participated in the 3-DAY Faculty Development Programme on "**Technological Advancements in NAVAL, DEFENSE & SPACE APPLICATIONS: AN INTEGRATED INDUSTRY 5.0 APPROACH"** Organized by the **Department of Mechanical Engineering**, **N S Raju Institute of Technology(NSRIT)**, Visakhapatnam, A.P, India, from 08-10, July 2021.

Achievements:

- Secured **16th rank in AP RCET 2019 exam** in the stream of marine engineering.

Subjects Taught:

- Thermodynamics
- Thermal engineering-I
- Thermal engineering-II
- Heat transfer
- Fluid mechanics
- Refrigeration and air conditioning systems
- Metal cutting and machine tools
- Automobile engineering
- Design for manufacturing
- Renewable energy sources
- Green engineering systems
- Unconventional machining process
- Essentials of mechanical engineering
- Basic civil and mechanical engineering

Extra Curricular Activities:

- Participated in **SMART 3K RUN HELD AT R.K BEACH** on 22-01-2017.

Hobbies:

- Listening music
- Playing cricket

Strengths:

- Ability to understand and mingle with everyone.
- Hardworking.
- Self-motivation.
- Eager to learn something new.
- Positive thinking.

Personal Profile:

Date of birth	: 29-11-1993
Gender	: Male
Nationality	: Indian
Marital status	: Married
Language known	: English, Telugu

Permanent Address:

ROMALA RAJESH
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Gayatri Vidya Parishad College for Degree and PG Courses (A), Visakhapatnam,
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Declaration:

I hereby declare that all the information given above is true to the best of my knowledge.

PLACE:

DATE **R. RAJESH**