



Dr. V. DURGA PRASADA RAO

Professor, Dept. of Mechanical Engineering



1. E-mail address : vdp_9@yahoo.co.in

2. Mobile : 9848111500

3. Educational Qualifications:

Sl. No.	Degree/Diploma	Class/Division
1	Ph.D. (Mech. Engg.)	Opt. studies on some multi-item Inv. problems
2	M.E. (Industrial Engg.)	First Class- First Rank
3	B.E. (Mech. Engg.)	First Class -Distinction, First Rank
4	L.M.E.	First Class - Distinction
5	S.S.C.	First Class

4. Teaching Experience : 30 Years, 8 Months

S.R.K.R. Engineering College, Bhimavaram

5. Project / Thesis:

UG: Computer Aided Synthesis of Four bar mechanism as a function generator.

PG: AISPACK – An interactive software package for Advanced Inventory Systems.

PhD: Optimization Studies on some Multi-Item Inventory Problems.

6. Research Experience:

1. No. of Research papers Published in **International & National Journals: 39**

2. No. of Research papers Published in **International & National Conferences: 29**

3. Citations: **163** h-index: **5** i10-index: **5**



7. Sponsored Research projects: 3

1. Solar powered tricycle for physically challenged people, funded by **The Institution of Engineers (India), Kolkata** under grant-in-aid scheme for undergraduate students during the academic year 2013-14, Project cost: **Rs.50,000/-**, Status: completed.
2. Solar powered Wheel chair controlled by voice recognition system for physically disabled people, funded by **The Institution of Engineers (India), Kolkata** under grant-in-aid scheme for undergraduate students during the academic year 2015-16, Project cost: **Rs.40,000/-**, Status: completed.
3. Development of computer interfaced I.C. Engines Laboratory, funded by **All India Council for Technical Education, New Delhi** under grant-in-aid scheme MODROBS for the financial year 2019-20, Project sanction amount: **Rs. 12,75,000/-**, Status – Established.

8. Short Term Training Programs and Workshops organized: 4

1. Short Term ONE WEEK Short term course on “**Concurrent Engineering- A modern approach to Product Development**”, conducted during 27th – 31st Dec. 2004.
2. ONE WEEK Short term course on “**Emerging Technologies in Mechanical Engineering for Sustainable Development**”, conducted during 18th -23rd December 2006.
3. TWO DAY Workshop on “**Collaborative Product Development & Nano Technology**”, conducted on 23rd & 24th July 2010.
4. TWO DAY Workshop on “**Additive Manufacturing**”, conducted on 13th and 14th July 2018.

9. Training Programs / Workshops attended: 13

1. QIP Short term course on “Reliability Modeling and Evaluation” at **I.I.T, BOMBAY**, May 2-13, 1994.
2. AICTE – ISTE Summer School on “Industry – Institute Partnership” at **R.E.C Rourkela**, 28th July to 2nd August, 1997.
3. AICTE – ISTE Winter School on “Corporate Planning and Policy Design” held at **Andhra University, VISAKHAPATNAM**, 29th Dec. 1997 – 10th Jan. 1998.
4. QIP short term training program on “Combustion Generated Emission and its Control” at **I.I.T, KANPUR**, March – 1st – 5th, 2004.
5. Short Course on ‘Genetic Algorithms for Engineering Optimization’ at **I.I.T Kanpur**, 7-9 April, 2004.



6. QIP Short term course on “Ergonomics/Human factors Engg – concepts & Applications to work system Design” at **I.I.T. Kharagpur**, 7th – 11th February 2005.
7. Work shop on “ISO-9000” at SIR. C.R.R. College of Engineering, ELURU, 23rd November 1996.
8. Work shop on “Finite Element Analysis and Applications in Engineering” at S.R.K.R. Engg. College, BHIMAVARAM, 1st and 2nd April 2006.
9. Work shop on “Recent Trends in Mechanical Engineering” at S.R.K.R. Engg. College, BHIMAVARAM, 31st August 2015.
10. IEEE Work shop on “Outcome based Education and Accreditation” at S.R.K.R. Engg. College, BHIMAVARAM, 26th February 2016.
11. Work shop on “Advances in Materials & Manufacturing Technologies” at S.R.K.R. Engg. College, BHIMAVARAM, 23rd April 2016.
12. Work shop on “NBA-SAR Filling Preparedness for Assessment” at **Engineering Staff College of India (ESCI), Hyderabad**, 15th–16th October 2016.
13. Work shop on “Innovations in Materials and Manufacturing” at S.R.K.R. Engg. College, BHIMAVARAM, 1st March 2019.

10. Patents Published: 1

1. **Title of invention:** An effective reference planes setup used as an aid for teaching the subject of ENGINEERING GRAPHICS, Application No.201641017579 A, Application filed on 22-05-2016 & published on 24-11-2017, The Patent Office Journal No. 47/2017 dated 24/11/2017, Part-2, Page no. 44522, The Patent Office, Government of India, Intellectual Property Rights Building, G.S.T. Road, Guindy, Chennai – 600 032.

11. Awards: 6

1. Won **GOLD MEDAL** for the project titled “**Solar Powered Tricycle for Physically challenged people**” in 45th All India Student Design Competition –2014 conducted by **NATIONAL DESIGN and RESEARCH FORUM of INSTITUTION OF ENGINEERS (INDIA), KOLKATA**.
2. Won **Best paper award** in **International Conference** on “Advancements in Aeromechanical Materials for Manufacturing – 2016 (ICAAMM-2016)”, conducted by MLR Institute of Technology, Hyderabad. The paper title is “**Study of Tensile Strength of Agave Americana Fibre Reinforced Hybrid Composites**” and it is published in Materials Today: Proceedings (Elsevier), vol.4, Issue.8, pp.7760-7769, 2017.



3. Won **SILVER MEDAL** for the project titled “Solar Powered Wheelchair controlled by Voice Recognition System for Physically disabled people” in 48th All India Student Design Competition –2017 conducted by NATIONAL DESIGN and RESEARCH FORUM of INSTITUTION OF ENGINEERS (INDIA), KOLKATA.
4. Won **Best Student Project Award and GOLD MEDAL** for the project titled “Solar Powered Wheelchair controlled by Voice Recognition System for Physically disabled people” for the academic year 2016 – 2017 from TATA CONSULTANCY SERVICES.
5. Won **Best paper award** in **International Conference** on “Design, Analysis, Manufacturing and Simulation – 2018 (ICDAMS-2018)”, conducted by Saveetha school of Engineering, Saveetha Institute of Medical and Technical Sciences, Chennai. The paper title is “**Study of Hardness and Flexural Strengths of Banyan and Peepal fibre reinforced hybrid composites**” and it is published in MATEC Web of Conferences: Manufacturing Engineering, Vol.172, Article No. 04009, pp.1-6, 2018.
6. Won **GOLD MEDAL** for the project titled “Solar Powered Walking Bike” in 49th All India Student Design Competition –2018 conducted by NATIONAL DESIGN and RESEARCH FORUM of INSTITUTION OF ENGINEERS (INDIA), KOLKATA.

12. Research Guidance:

1. No. of Ph.D. scholars guided: 1
2. No. of Ph.D. scholars guiding: 2
3. No. of M.E / M.Tech students guided: 12

13. Membership in Professional organizations: M.I.S.T.E: LM- 09452

F.I.E: F-1126829

14. Subjects Taught :

U.G. Course: Operations Research, Engineering Mechanics, Strength of Materials, Advanced Strength of Materials, Engineering Thermodynamics- I, II & III, Engineering Graphics, Statistical Quality Control, Industrial Engineering & Management, PPC.

P.G. Course: Advanced Optimization Techniques, Optimization & Reliability.



15. Administrative experience:

1. Actively discharged duties as In-charge, Head of Mechanical Engineering Department.
2. Actively involved in the design and development of Industrial Engineering Lab in Mechanical Engineering department.
3. Actively involved in the development of Mechanical Engineering department library during its inception.

16. Personal Details:

- (a) Name of the father : V. Rajeswara Rao
(b) Name of the mother : V. Sri Lakshmi
(c) Gender : Male
(d) Marital Status : Married
(e) Nationality : Indian

Date: 18 -3-2022

Place: Bhimavaram

V. Durga Prasada Rao