

Name: Dr. VALIVETI SIVA RAMA KRISHNA
Designation: ASST.PROFESSOR
Department: MECHANICAL ENGINEERING
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Experience (in years): 12 Teaching: 12 Research: 06 Others(if any, specify):

1.Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	B.TECH	2008	M.E.
2	M.TECH	2010	CAD/CAM
3	Ph.D.	2018	IC ENGINES

2.Teaching and Learning:

2.2 Teaching Interests: TE-I, TE-II, CAD/CAM, ED,R&AC

2.3 Novel Teaching & Learning Techniques adopted:

Black Board Teaching, Learning by doing, VNR LAB Protocol, POGIL, videos, WIT & WIL.

2.4 Involvement in curriculum updating / Design:

Designed the syllabus for R18 and R19 regulations.

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies: Reading Books, Sports

3.2. CCA/ECA Organized: Convergence

3.3. CCA/ECA participated: Games

3.4. Counselling and Mentoring Activity: IV Mechanical

3.5. Committees involved in:

Department level: Time table coordinator

Institute Level: COVID19, ASME

• Conference / Workshop / Seminar / Guest Lectures :

• Conducted:

- webinar is conducted on career guidance Q&A session (ASME) on 12th june 2020
- webinar is conducted on Alumni interaction series session (ASME) on 3rd july 2020
- One Week Online Faculty Development Programme on Tools for Effective Research in Thermal Engineering on 23th – 27th November 2020.

• Attended:

- participated online awareness quiz on Research organised by journal of advanced research in technology and management sciences on 27/5/2020
- Participated in a Webinar on a "Emotional Well Being at Work: Psychology of Emotional Intelligence for Teaching Faculty" on 04/06/2020 organized by MLRIT.
- Participated in the Five Days FDP on "Refrigerants Progression-Environmental Concerns" organized by QIS College of Engineering and Technology from 01.06.2020 to 05.06.2020.

- Participated in the Five Days FDP on " Multi Objective Optimization for Mechanical Engineering Applications" organized by QIS College of Engineering and Technology from 08.06.2020 to 12.06.2020.
- Participated in a Webinar on a "Future Materials for Engineering Applications" on 02/06/2020 organized by VNR VJMET.
- Participated in a Webinar on a "Salient Features in Machine Component Design" on 05/06/2020 organized by VNR VJMET.
- Participated in a Webinar on a "Overview of Machine Learning" on 04/06/2020 organized by VNR VJMET.
- Participated in a Webinar on a " Overview of Entrepreneurship Development" on 03/06/2020 organized by VNR VJMET.
- Participated in a Webinar on a " Natural Composites for Sustainable Development" on 01/06/2020 organized by VNR VJMET.
- participated online awareness quiz on Engineering Graphics organized by Aurora's Technology and Research Institute on 20th June 2020
- participated National Level Quiz on Industrial Robotics and Applications organized by GEC on 17/06/2020.
- participated National Level Quiz on E-Learning organized by PVPP College of Engineering on 17/6/2020
- Participated in one week online FDP on "Advanced Research Challenges in Material Science" organized by Sri Vasavi Engineering College from 1st June to 6th June 2020.
- participated National Level Quiz on "Thermal Engineering" conducted by Geethanjali Institute of Science and Technology on 18/6/2020
- Participated in a Webinar on a "Research in Computational Materials Science" organized by Aurora Engineering College on 19th June 2020
- Participated in a Webinar on a "Industrial Applications of Robust Design" organized by Francis Xavier Engineering College on 19th June 2020
- Participated in a Webinar on a "Adventures of Particle Physicists" organized by Francis Xavier Engineering College on 20/6/2020
- Participated in 3 day online FDP on " E-Certificate of Participation" organized by Andhra Loyola Institute of Engineering and Technology from 18/6/2020 to 20/6/2020.
- Participated in a Webinar on a "Gas Turbine and Space Propulsion" organized by Francis Xavier Engineering College on 23/6/ 2020
- Participated in one week FDP on aspects of pneumatics, Hydraulics and Robotics during 15-20 December, 2017 at innovation Technologies center, JNT University Hyderabad, Telangana in association with Rexroth Bosch, Bengaluru.
- Participated in Five day Short Term Programme on Engineering Drawing Through AUTO CAD conducted by department Mechanical & Automobile Engineering During 11 – 15 December, 2017 at VNR Vignana Jyothi Institute of Engineering & Technology, Hyderabad
- Participated in one week work shop on Advanced Numerical Modeling Technologies for Mechanical Engineering held during 27 to31 march 2017 at VNR Vignana Jyothi Institute of Engineering & Technology, Hyderabad.
- Participated in National conference on INNOVATIVE APPROACHES IN MECHANICAL ENGINEERING conducted by department Mechanical Engineering on 22 to 23 september, 2017, at St. Martins Engineering College, Hyderabad.

- Participated in one week Faculty Development Program on APPLICATIONS OF CFD IN THERMAL FLUIDS ENGINEERING during 29 February to 6 March 2016, at CMR Engineering College, Hyderabad.
- Participated in one week Faculty Development Program on HYPER WORKS & COMPUTATIONAL FLUID DYNAMICS conducted by department Mechanical Engineering during 5 to 10 December, 2016 St. Martins Engineering College, Hyderabad.
- Participated in Two day FDP on Finite Element Analysis on 20 & 21 Feb-2015 organized by department of Mechanical Engineering, MREC.
- Participated in Two day workshop on Engineering Drawing under TEQIP II S.C.-1.1 on 12th and 13th Sept-2014 organized by department of Mechanical Engineering, MREC.
- Participated in Two day National conference on Role of Civil and Mechanical Engineering in Development of Society, conducted by departments of Civil and Mechanical Engineering on 20 & 21 Sept 2013.
- Participated in Futuristic Trends of Nano Composites and Their Fabrication conducted by Mechanical Department, RVR & JC Engineering college, Guntur on 6 & 7 Sept 2013.
- Participated in One day National workshop on Advanced trends in IC engines and combustion on 28 Feb, 2013 organized by department of Mechanical Engineering, JNTUH, Hyderabad.
- Participated in FDP on Advancements in Engineering Design Process organized during 6 & 7 Dec-2012 at MLRIT, Hyderabad.
- Participated in a two week ISTE Workshop on Engineering Thermodynamics conducted by IIT Bombay from 11th to 21st Dec-2012
- Participated in a two day National level workshop under TEQIP II. On Recent Advance in CFD for industrial applications organized by department of Mechanical Engineering, MREC on 24 & 25 of March, 2012.
- A one week Training Programme on Engineering Drawing Sponsored by APSCHE in association with JNTUH organized at KG Reddy College of Engineering & Technology, Hyderabad from 13th to 18th Feb-2012.
- Three day Faculty Development Programme at KGR CET, 30th June to 2nd July 2011.
- Two Day National Seminar on Precision Engineering organized at JNTUH, Hyderabad on 10th and 11th July 2009.
- Attended Two day National level seminar on “MICRO MACHINING PROCESS” in RVR&JC, Guntur.

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: malla reddy engineering college and management

5.2. Articles / Chapters published in Books: Nil

5.3. Books published as single author or as editor: Nil

5.4. Projects Guided :

a) UG :10 b) PG :2

5.5. Research Interests : IC Engines, Thermal Engineering, R&AC

5.6. Ph.D students : Nil

a) Enrolled :

b) Submitted :

c) Awarded :

5.7. Papers published in reviewed journals :

5.8. Papers presented at National / International Journals :

S.No. Title with page nos. Journal ISSN/ISBN NO. Whether Peer Reviewed.

Impact Factor, if any Impact Factor/ Citation Index

1 Analysis on impact of thermal barrier coating on

piston head in CI engine using biodiesel International Journal of Ambient Energy
ISSN:0143-0750(PRINT) 2162-8246(online) Yes, web of science, Scopus 2.562

2 Influence of Tool Pin Profile and Tool Rotating Speed on Mechanical Properties of
Al6082 Alloy International Journal of Innovative Technology and Exploring Engineering
ISSN: 2278-3075, Volume-8 Issue-12, October, 2019 Yes, Scopus

3 Experimental Investigations on CI engine with different Combustion Chamber Designs
International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878,
Volume-7, Issue-6, March 2019 Yes, Scopus 6.04

4 Experimental Investigations on Ci Engine Using Biodiesel With Fuel Additives
International Journal for Research in Engineering Application & Management ISSN :
2454-9150 Vol-04, Issue-10, Jan 2019 Yes, Scopus 4

5 Experimental Investigations on LHR Diesel Engine Using Biodiesel with Nano Additive
International Journal of Latest Engineering and Management Research ISSN: 2455-4847,
Volume 03 - Issue 02 ,February 2018,PP. 89-95 Yes, Scopus 2.01

6 Analysis on Impact of Various Parameters for LHR Diesel Engine using Biodiesel and its
Additives International Journal of Emerging Technology and Advanced Engineering
ISSN 2250-2459, Volume 8, Issue 2, February 2018) Yes, Scopus 4.027

7 Experimental Investigations of Performance and Emission Characteristics of CI Diesel
Engine Using Plastic Oil Blends International Journal of Latest Engineering and
Management Research ISSN: 2455-4847, Volume 02 - Issue 12, December 2017, PP. 43-
50 Yes, Scopus 2.01

8 Design and Analysis of a Automobile Chassis by using Composite Material E-Glass
Epoxy International Journal of Innovative Research in Science, Engineering and
Technology ISSN(Online): 2319-8753

ISSN (Print) : 2347-6710, Vol. 6, Issue 10, October 2017

Yes, Scopus 7.089

9 Investigations on Combustion Characteristics of Compression-Ignition Diesel Engine
with Controlled Atomisation Using Bio-Diesel International Journal of Innovative
Research in Science, Engineering and Technology ISSN(Online): 2319-8753

ISSN (Print) : 2347-6710, Vol. 6, Issue 1, January 2017 Yes, Scopus 7.089

10 Evaluation of Performance and Emission Characteristics of CI Diesel Engine using
Biodiesel with Adiabatic Concept

International Journal of Innovative Research in Science, Engineering and Technology
ISSN(Online) : 2319-8753

ISSN (Print) : 2347-6710, Vol. 5, Issue 7, July 2016 Yes, Scopus 7.089

11 Compound Parabolic Serpentine Collector International Journal & Magazine of
Engineering Technology, Management and Research.

Vol No:3, Issue No:7, ISSN No:2348-4845, July-2016 Yes, Scopus 3.5540

12 Experimental Investigation Of Friction Stir Welding And Tig Welding For Al-6082
International Journal of Innovative Research in Science, Engineering and Technology
ISSN(Online): 2319-8753

ISSN (Print): 2347-6710, Vol. 4, Issue 7, July 2015 Yes, Scopus 7.089

- 13 Experimental Investigation of Rotary Friction Welding Parameters of Aluminum (H-30) and Mild Steel (Aisi-1040) International Journal of Innovative Research in Science, Engineering and Technology ISSN(Online): 2319-8753
ISSN (Print): 2347-6710, Vol. 4, Issue 5, May 2015 Yes, Scopus 7.089
- 14 Simulation of Flow over NACA 23012 Airofoil in incompressible and compressible subsonic regimes International journal of Dynamics of fluids.
ISSN :0973-1784, Vol:11,2015. Yes, Scopus
- 15 Performance and emission characteristics of single cylinder diesel engine fuelled with biodiesel blends. International Journal of emerging trends and technology.
ISSN :0973-1784, Vol:11,2015 Yes, Scopus 2.88
- 16 CFD analysis of Helically coiled tube for compact heat exchangers National conference on emerging Trends in Science, Technology and Management,
ISBN:9789383038206
Yes, Scopus
- 17 ADVANCED BRAKE ALERT SYSTEM International Journal of Innovative Research in Science, Engineering and Technology ISSN: 2319-8753, Vol. 2, Issue 12, December 2013 Yes, Scopus 7.089

5.8. Papers presented at National / International Journals :

S.No.	Title with page nos.	Journal	ISSN/ISBN NO.	Whether Peer Reviewed. Impact Factor, if any	Im Fac Cit In
1	Analysis on impact of thermal barrier coating on piston head in CI engine using biodiesel	International Journal of Ambient Energy	ISSN:0143-0750(PRINT) 2162-8246(online)	Yes, web of science, Scopus	2.
2	Influence of Tool Pin Profile and Tool Rotating Speed on Mechanical Properties of Al6082 Alloy	International Journal of Innovative Technology and Exploring Engineering	ISSN: 2278-3075, Volume-8 Issue-12, October, 2019	Yes, Scopus	
3	Experimental Investigations on CI engine with different Combustion Chamber Designs	International Journal of Recent Technology and Engineering (IJRTE)	ISSN: 2277-3878, Volume-7, Issue-6, March 2019	Yes, Scopus	6
4	Experimental Investigations on Ci Engine Using Biodiesel With Fuel Additives	International Journal for Research in Engineering Application & Management	ISSN : 2454-9150 Vol-04, Issue-10, Jan 2019	Yes, Scopus	
5	Experimental Investigations on LHR Diesel Engine Using Biodiesel with Nano Additive	International Journal of Latest Engineering and Management Research	ISSN: 2455-4847, Volume 03 - Issue 02, February 2018, PP. 89-95	Yes, Scopus	2
6	Analysis on Impact of Various Parameters for LHR Diesel Engine using Biodiesel and its Additives	International Journal of Emerging Technology and Advanced Engineering	ISSN 2250-2459, Volume 8, Issue 2, February 2018)	Yes, Scopus	4.
7	Experimental Investigations of Performance and Emission Characteristics of CI Diesel Engine Using Plastic Oil Blends	International Journal of Latest Engineering and Management Research	ISSN: 2455-4847, Volume 02 - Issue 12, December 2017, PP. 43-50	Yes, Scopus	2

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International
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1	Effect of diphenylamine nano additive with pine oil biodiesel on performance and emission characteristics of CI engine	AIP Conference Proceedings	International
2	Experimental investigation of performance and emission characteristics of diesel engine using pine oil blends	AIP Conference Proceedings	International
3	Experimental Investigations into performance of powder mixed electric discharge machining for high carbon high chromium (HCHCr) steel and EN-31 steel	International conference on emerging technologies in mechanical sciences	International
4	Optimization of Delamination Damage of GFRP composite during End Milling using Taguchi Method,S/N ratio and ANOVA	Proceedings of 4th National Conference on Advances in Mechanical Engineering.	National
5	Performance and emission characterizes of Low Heat Rejection (LHR) engine at different injection timing using diesel and biodiesel fuels	National conference on emerging Trends in Science, Technology and Management,	National
6	Educating the next generation of Entrepreneurial Engineering in the development of Indian Industry: Some recommendations	International conference on Next Generation Education for Entrepreneurial Engineers	International

5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed
	NIL				

5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed
	NIL				

6. Awards / Honors received: Ph.D. completed

7.Motto: