

Curriculum Vitae



Name Dr Manjunatha K

Father's Name Maregouda M B

Date of Birth 01-01-1982

Address

(a) Office Address:
Associate Professor
Department of Mechanical Engineering
Rao Bahadur.Y. Mahabaleswarappa Engineering College,
Bellary-583104; Karnataka-State
Ph: 08392-242148; 244809.

(b) Residence Address:
Sri Colony
Plot No:52,opp TMG Classic Palms Layout
Near Nani Godowns,Havambhavi
Bellary (District)-583104
Cell: +91-7090511300
E-mail: manju.btl@gmail.com

Educational Qualification

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Degree Awarded	University/Institution	Year of Degree Awarded
PhD. (Internal Combustion Engines)	Visvesvaraya Technological University Jnana Sangama, Belagavi Karnataka, India.	2017
MTech. (Thermal Power Engineering)	P.D.A College of Engineering, Gulbarga, Visvesvaraya Technological University Jnana Sangama, Belagavi Karnataka, India.	2006 First Class
BE. (Mechanical Engineering)	Bellary Institute of Technology and Management, Formerly Bellary Engineering College, Bellary-583104, Visvesvaraya Technological University Jnana Sangama, Belagavi, Karnataka, India.	2004 First Class

Professional Career (Update Chronological Engineering Career)

Professional career from the past 18.4 years to the latest

Designation(S)of Post(S) Held	Name and Address of Employer	From(Date)	To (Date)
Lecturer	GSS Institute of Technology, Bangalore	02-02 -2006	05-02-2007
Lecturer	BTL Institute of Technology, Bangalore	09-02-2007	31-01-2008
Lecturer	JSSA Technical Education, Bangalore	01-02-2008	31-07-2010
Assistant Professor	R.Y.M.Engineering College, Bellary	02-08-2010	30-11-2018
Associate Professor	R.Y.M.Engineering College, Bellary	01-12-2018	Till Date

Teaching Experience : Working Since From 02-02-2006

: Total Service: 18.4 years.

INSTITUTE LEVEL WORKS

- 1)NIRF CONVENER
- 2) SKILL CO-ORDINATOR
- 3)NACC CO-ORDINATOR
- 4)AICTE 360 DEGREE FEEDBACK- CONVENER
- 5) NBA I-14 FEED BACK FROM THE STAKE HOLDERS - CONVENER
- 6) MOOC - CONVENER
- 7) AICTE ACTIVITY POINT PROGRAM- CONVENER
- 8) PROJECT AND INTERNSHIP CO-ORDINATOR
- 9) NEP-2020 CO-CONVENER
- 10) R&D CO-CONVENER

DEPARTMENT LEVEL WORKS

- 1)NIRF - CO-ORDINATOR
- 2)NBA - CRITERIA-2 CONVENER
- 3)NACC - CO-ORDINATOR
- 4) MAIN LIBRARY - CO-ORDINATOR
- 5) EC LAB INCHARGE
- 6)INTERNAL TEST - COORDINATOR
- 7) INTERNAL QP QUALITY - COORDINATOR

UNIVERSITY LEVEL WORKS

- 1) VTU MOOC – CONVENER
- 2) VTU SKILL CO-ORDINATOR

Books Published

Sl. No.	Title	Year of Publication	Name of the Publisher/s
1	Biofuels	02/06/2022	ISBN No : 978-620-4-95635-0 LAMBERT Academic Publishing
2	Fundamentals of Manufacturing Processes in Kannada Language	02/08/2022	SWAYAM AICTE
3	The Super Money Making from YouTube	2023 Book language English	ISBN No : 978-620-6-75195-3 LAMBERT Academic Publishing
4	Le Super Gagner de l'Argent avec YouTube	Book language French	Published on 2023-08-31 Publishing house Editions Notre Savoir 978-620-6-41463-6
5	Il super guadagno da YouTube	Book language Italian	Published on 2023-08-31 Publishing house Edizioni Sapienza 978-620-6-41464-3
6	O super dinheiro a ganhar com o YouTube	Book language Portuguese	Published on 2023-08-31 Publishing house Edições Nosso Conhecimento 978-620-6-41465-0
7	Das Super-Geldverdienen mit YouTube	Book language German	Published on 2023-08-31 Publishing house Verlag Unser Wissen 978-620-6-41459-9
8	Ganar dinero con YouTube	Book language Spanish	Published on 2023-08-31 Publishing house Ediciones Nuestro Conocimiento 978-620-6-41461-2

9	BASICS OF MATLAB MATLAB for beginners	2024 Book language English	ISBN : 978-620-7-46027-4 Published on: 2024-01-24 LAP Lambert Academic Publishing
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Member of Professional Bodies (40)

1. Member for **Indian Society for Technical Education.LM-111317**
2. Member for **International Society for Research and Development with Life Time**
Membership No: **M4150902268.**
3. Editorial Board Member in **Seventh Sense Research Group and SSRG International Journal of Mechanical Engineering** with ID NO : **SSRG- IJME-1087.**
4. Member for **World Academy of Science, Engineering and Technology**, International Scientific Committee and Editorial Review Board on Mechanical and Mechatronics Engineering, International Scientific Committee PO Box 982, Riverside, Connecticut, CT 06878, **USA.**
5. Member for **International Institute of Engineers and Researchers**, Kolkata, **Istanbul Turkey, Selangor Malaysia.**
6. Conference Technical Committee Member ,2nd **International Conference on Mechanical, Aeronautics and Automotive engineering (ICMAA 2015), Penang, Malaysia, September 3 4, 2015, International Academy of Computer Technology (IACT), icmaa@iact.net, 3308 N Mayfield Ave, San Bernardino, CA 92405.**
7. Reviewer for **Taylor and Francis**, Green Energy Journal Paper.

8. Reviewer for **SAE INDIA**International Mobility Conference SIIMC 2016.
9. Editorial Board Member for **International Journal of Civil, Mechanical and Energy Science (IJCMES)**, Thomson Reuters ResearcherID: B-5254-2016, ORCID: 0000-0002-6814-6386, Infogain Publication, Hauz Khas, New Delhi-110 016, Infogain Publication, Pratap Nagar, Jaipur-302 033, INDIA.
10. Editorial Board Member for **International Journal of Mechanical Engineering and Automation**(Print ISSN: 2333-9179; Online ISSN: 2333-9187)., 19138 EAST WALNUT DRIVE #102, ROWLAND HEIGHTS, CA 91748, USA, Telephone: 1-626-539-8009, E-mail: info@ethanpublishing.com.
11. Reviewer for **Journal of Energy and Power Engineering David Publishing Company**, 616 Corporate Way, Suite 2-4876, Valley Cottage, NY 10989, USA TEL: 323-984-7526, FAX: 323-984-7374, <http://www.davidpublisher.com>, order@davidpublishing.com.
12. Editorial Board Member for **VSRD International Journal of Mechanical, Civil, Automobile & Production Engineering**, VISUAL SOFT (INDIA) PVT. LTD., VSRD International Journals Division, 340, First Floor, Adarsh Nagar, Oshiwara, Andheri (W) Mumbai - 400053 (Maharashtra) (India) Mob. : +91 99561 27040, Ph. : 022-23465537.
13. Reviewer for **Asian Journal of Engineering and Technology** (ISSN: 2321-2462) Journal Paper, Asian Online Journals.
14. Reviewer for **IJRME-International Journal for Research in Mechanical Engineering** with Reviewer ID : RVI15ME81352.
15. Member for **The Association for Science, Education and Technology (TASET)**, Sakarya University, Sakarya, TURKEY.

16. Reviewer for **International Journal of Mechanical Engineering Research** , FOREX
Publication-International Journals Publisher, **New Delhi | Taiwan | New York.**

17. Reviewer for **Advances in Science, Technology and Engineering Systems Journal** with
Reviewer ID : RVEMU0071, United States, United Kingdom.

18. **Thomson Reuters Researcher ID : S-5477-2017**

19. **ScopusMendeley Researcher ID :57194034744.**

20. Reviewer for **World Journal of Engineering** , Manuscript Central Support, Emerald Group
Publishing Limited, Howard House, Bingley, West Yorkshire, BD16 1WA, **UK.**

21. **AuthorORCID ID : 0000-0002-8342-5797.**

22. Reviewer for **Energy Efficiency** ISSN: 1570-646X (print version), ISSN: 1570-6478 (electronic
version) ,Journal no. 12053, **Springer Publication.**

23. Reviewer for **Energy Sources, Part A: Recovery, Utilization, and Environmental
Effects** Taylor & Francis Group, 325 Chestnut Street, Suite 800, Philadelphia, PA
19106, www.tandfonline.com.

24. Reviewer for **Heat Transfer –Asian Research**, Edited By: William M. Worek Online
ISSN:1523-1496, © Wiley Periodicals, Inc. Michelle Bayman, John Wiley & Sons, Inc., 111 River
St., Hoboken, NJ 07030-5774 ,USA ,HTJeditorial@wiley.com.

25. Web of Science Researcher ID S-5477-2017.

26. **Research Supervisor** with ID No 563 (**VTU0719563**) in Visvesvaraya Technological
University, Jnana Sangama, Belagavi, Karnataka, India.

27. **Benthamambassador 2019-2020 from INDIA** to Bentham Science Publishers, Executive Suite Y – 2, Building Y Saif Zone, Sharjah, U.A.E.
28. Editorial Board Member for “2nd International Conference and Exhibition on Aerospace & Aeronautical Engineering” which is scheduled to be held during July 13-14, 2020 at Krakow, **Poland.**
29. Reviewer for **International Journal of Energy and Environmental Science**, ISSN Print: 2578-9538, ISSN Online: 2578-9546, 1 Rockefeller Plaza, 10th and 11th Floors, New York, NY 10020 U.S.A from 04/03/2020 and Reviewer ID : 10376846.
30. Editorial Board Member for **American Journal of Science, Engineering and Technology**, ISSN Print: 2578-8345, ISSN Online: 2578-8353, 1 Rockefeller Plaza, 10th and 11th Floors, New York, NY 10020 U.S.A from 04/03/2020 and Editorial Board Member ID : 10376843.
31. Editorial Board Member for **East African Scholars Journal of Engineering and Computer Sciences** EAS Publisher (East African Scholars Publisher) is an international scholar’s publisher for open access scientific journals in both print and online publishing from Kenya. ISSN(Print) : 2617-4480 ,ISSN(Online) : 2663-0346 from 07/03/2020.
32. Reviewer for **East African Scholars Journal of Engineering and Computer Sciences** EAS Publisher (East African Scholars Publisher) is an international scholar’s publisher for open access scientific journals in both print and online publishing from Kenya. ISSN(Print) : 2617-4480 ,ISSN(Online) : 2663-0346 from 07/03/2020.
33. Reviewer for [IJSTEM] New notification from International Journal of Science, Technology, Engineering and Management - A VTU Publication, Visvesvaraya Technological University JnanaSangama, Belagavi, Karnataka, India.
34. Reviewer for Energy Journal, Elsevier Ltd.

35. Research IDs: rid54807 and manjunatha

36. **WARSE**, Keynote Speakers World in Mechanical Engineering from India.

37. Reviewer for the **Journal of Emerging Technologies and Innovative Research**, ISSN : 2349-5162) Holding Member ID : 223265, Member Since : 02-August-2023.

38. Reviewer for the **Enhanced Research (ER) Publications**, Aug 4, 2023.

39. Reviewer for the **Edu Publications**, Aug 4, 2023.

40. World Keynote Speaker from INDIA.

Best Publications (12)

1. **“Combustion analysis of modified inverted "M" type piston for diesel engine with platinum coating and without coating by using CFD”**, Materials Today: Proceedings, vol. 4, issue 2 (2017) pp. 2333-2340, ISSN: 2214-7853, <https://doi.org/10.1016/j.matpr.2017.02.082>
Published by Elsevier Ltd.

2. **“Investigation of a Diesel Engine with Ceramic and platinum coated piston using Canola oil, Soyabean oil and Palm oil blended with Ethanol”**, Materials Today: Proceedings, vol. 4, issue 2 (2017) pp. 725-733, ISSN: 2214-7853, <https://doi.org/10.1016/j.matpr.2017.01.078>
Published by Elsevier Ltd.

3. **“Comparison of Aldehyde Emissions in Alcohols blended with Vegetable oils fuelled C I engine using with and without Ceramic and Platinum Coated Pistons”**, Materials Today: Proceedings, Volume 4, Issue 8, 2017, Pages 9304-9315, ISSN: 2214-7853, <https://doi.org/10.1016/j.matpr.2017.07.290>, Published by Elsevier Ltd.

4. **“Design and Development of a New Piston using Nimonic Alloy 80A for Low Cetane Fuels usage in CI Engines”**, Materials Today: Proceedings, Volume 4, Issue 8, 2017, Pages 9284-9293, ISSN: 2214-7853, <https://doi.org/10.1016/j.matpr.2017.07.288>, Published by Elsevier Ltd.

5. **“Analysis and comparison of performance and emissions of compression ignition engine fuelled with diesel and different bio-fuels blended with Methanol”** Materials Today: Proceedings, Volume 5, Issue 2, 2018, Pages 5175-5185, ISSN: 2214-7853, <https://doi.org/10.1016/j.matpr.2017.12.099>, Published by Elsevier Ltd.

6. **“Performance And Emission Characteristic of A Multicylinder DI Diesel Engine running On Diesel And Biofuels blended with Methanol”** MaterialsToday: Proceedings, Volume 5, Issue 2, 2018, Pages 3325-3333, ISSN: 2214-7853, <https://doi.org/10.1016/j.matpr.2017.11.575>, Published by Elsevier Ltd.

7. **“Investigation and assessment of performance and emissions of an IC engine fuelled with diesel and different bio-fuels blended with Ethanol”** MaterialsToday: Proceedings, Volume 5, Issue 2, 2018, Pages 6238-6246, ISSN: 2214-7853, <https://doi.org/10.1016/j.matpr.2017.12.233>, Published by Elsevier Ltd.

8. **Common rail twin cylinder diesel engine performance and emission running on Vegetable oils blended with Ethanol”** MaterialsToday: Proceedings, Volume 5, Issue 2, 2018, Pages 6268-6278, ISSN: 2214-7853, <https://doi.org/10.1016/j.matpr.2017.12.236> Published by Elsevier Ltd.

9. **Experimental study on performance and emissions of a turbocharged diesel engine fuelled with diesel and Vegetable oils blended with Ethanol”** MaterialsToday: Proceedings, Volume 5, Issue 2, 2018, Pages 6288-6296, ISSN: 2214-7853, <https://doi.org/10.1016/j.matpr.2017.12.238>, Published by Elsevier Ltd.

10. **“Investigation of effect of ceramic material over which platinum coated piston crown and alcohols mixed with vegetable oils and its performance evaluation in Twin cylinder CRDI diesel engine”** Materials Today Proceedings, Volume 47, Part 10, 2021, Pages 2585-2591, <https://doi.org/10.1016/j.matpr.2021.05.077>, Published by Elsevier Ltd.

11. **“Effect of Gas Blockage on the Theoretical Performance of Thermoacoustic Refrigerators”** International Journal of Air-Conditioning and Refrigeration Vol. 29, No. 3 (2021) 2150026 (16 pages) © World Scientific Publishing Company DOI: 10.1142/S2010132521500267.

12. Manjunatha K, et.al. **“Effect of gas spacing and resonance frequency on theoretical performance of thermoacoustic refrigerators”**, International Journal of Air-Conditioning and Refrigeration, **Open Access**, <https://doi.org/10.1007/s44189-023-00027-7>, Page 2 of 14, ISSN 2010-1333, 28 April 2023.

Number of Seminars/Workshops Attended (81)

1. Attended training programme of “**Computer Aided Engg. Drawing**” in STJ Institute of Technology Ranebennur, Haveri Dist from 27th to 29th Sep. 2006.
2. Attended training programme of “**Computer Aided Machine Drawing**” in GAT Bangalore from 16th to 18th July 2007.
3. Attended One Day National Workshop on “**Innovation in Teaching and Research Methodology**” in New Horizon College of Engineering, Bangalore 8th Sep. 2007.
4. Attended training programme of “**FEM & PRACTICAL STRESS ANALYSIS**” in VTU, Belgaum 8th to 12th March 2010.
5. Work shop on “**Emerging trends in mechanical engineering**” organized by New Horizon College of engineering, Bangalore, December 2011.
6. UGC Sponsored Two Day State Level Seminar on “**on-Conventional and Renewable Sources of Energy**” on 27th and 28th, July 2011, Smt. A.S.M. College for Women, Bellary, In Collaboration with R.Y.M. Engineering College, Bellary.
7. Faculty Development Program on “**Entrepreneurship**” in R V College of Engineering Bangalore, on 9-21 Jan. 2012.
8. Faculty Development Programme on “**Alternative Fuels for IC Engines**” in PDA College of Engineering, Gulbarga 12th to 16th March 2012.
9. Work shop on “**Zero Waste Management**” organized by JSSATE, Bangalore, 24th August 2012.
10. One day seminar on “**Alternative Energy Source and Alternative Fuels for IC engines**” Organized by the Department of Mechanical Engineering Rao Bahadur. Y. Mahabaleswarappa Engineering College Bellary-583104 on 28th Sep 2013.
11. One day seminar on **Personality Development Programme**, Sri Sri Swamy Nirbhayananda Saraswathi Mahaswamiji, President, Ramakrishna Vivekananda Ashrama, Gadag, Organized by department of Mechanical and Industrial Production Engineering, Rao Bahadur. Y. Mahabaleswarappa Engineering College Bellary-583104, on 25th Feb 2014.

12. **“Emerging Trends in Mechanical and Production Engineering”** Dr. H.G. Hanumantharaju, Prof, U.V.C.E. Bangalore. Dr. B.P. Mahesh, Prof, JSSATE, Bangalore Organized by department of Mechanical and Industrial Production Engineering, Rao Bahadur.Y. Mahabaleswarappa Engineering College Bellary-583104, on 08th Mar 2014.
13. Awareness Programme on **CAD/CAM/CAE/PLM** on Mr. Anudeep Vaggar, Cadmaxx Solutions, Bangalore Organized by department of Mechanical and Industrial Production Engineering, Rao Bahadur.Y. Mahabaleswarappa Engineering College Bellary-583104, on 28th Mar 2014.
14. **Application of Value Engineering in Enhancing Quality of Production** Sri Ramprasad Cherkur, Consulting Engineer, Raytheon Inc., Organized by department of Mechanical and Industrial Production Engineering, Rao Bahadur.Y. Mahabaleswarappa Engineering College Bellary-583104, on 31st Mar 2015.
15. Two Days Workshop on **“Industrial Applications of Hydraulics and Pneumatics”**, Mr. Ashok R Kulkarni of Freelance Trainer, Bangalore, Organized by department of Mechanical and Industrial Production Engineering, Rao Bahadur.Y. Mahabaleswarappa Engineering College Bellary-583104, on 16th & 17th Oct 2015.
16. Three Day Workshop on **Engine Technology M/S Rectangle Automotive Technologies LLP**, Davanagere, on 26th to 28th Oct 2016.
17. Faculty development programme on **“Industrial Automation and Computer Aided Engineering”**, Organized by department of Mechanical and Industrial Production Engineering, Rao Bahadur.Y. Mahabaleswarappa Engineering College Bellary-583104, during 23rd to 25th July 2015.
18. Faculty development programme on **“System Dynamics”** Organized by department of Mechanical and Industrial Production Engineering, Rao Bahadur.Y. Mahabaleswarappa Engineering College Bellary-583104, during 18th to 19th Feb 2016.
19. Faculty development programme on **“Outcome Based Education”** Organized by department of Mechanical and Industrial Production Engineering, Rao Bahadur.Y. Mahabaleswarappa Engineering College Bellary-583104, during 16th to 19th Jan 2017.

20. Invited talk on '**Role of Teachers in Society**' Shri V V Venkataramana Shastry , World Teachers Trust, Vishakapatnam, Organized by department of Mechanical and Industrial Production Engineering, Rao Bahadur.Y. Mahabaleswarappa Engineering College Bellary-583104, on 3rd Mar 2017.
21. One day invited talk on "**Reengineering- The Life Style**" Sri. Swamy Chidrupananda Saraswati, Organized by department of Mechanical and Industrial Production Engineering, Rao Bahadur.Y. Mahabaleswarappa Engineering College Bellary-583104, on 1st Apr 2017.
22. **Product Life Cycle Management and Thermoacoustic Refrigeration**, Dr. Vijay Kumar Professor, JSSATE B'lore. Dr. B G Prashanth Professor, JSSATE Bengaluru. Organized by department of Mechanical and Industrial Production Engineering, Rao Bahadur.Y. Mahabaleswarappa Engineering College Bellary-583104, on 11th to 16th Aug 2017.
23. Technical Talk on Importance of **Failure analysis & its role in fabrication Industries** Dr. R Vaideeswaran, Visiting NITT, Tiruchirappalli, Organized by department of Mechanical and Industrial Production Engineering, Rao Bahadur.Y. Mahabaleswarappa Engineering College Bellary-583104, on 7th Dec 2018.
24. One day seminar on "**Academic Audit**" Organized by the IQAC, Rao Bahadur.Y. Mahabaleswarappa Engineering College Bellary-583104 on 18th Dec 2018.
25. Faculty Development Program on "**Outcome Based Education and Accreditation**" in Rao Bahadur.Y. Mahabaleswarappa Engineering College Bellary-583104, during 24th to 28th Sep. 2018 (one week) collaboration with National Institute of Technical Teachers Training and Research, kolkata.
26. Faculty Development Program on "**Rural Development through Technical Institution**" in Rao Bahadur.Y. Mahabaleswarappa Engineering College Bellary-583104, during 29th July to 02th Aug. 2019 (one week) collaboration with National Institute of Technical Teachers Training and Research, kolkata.
27. Faculty Development Program on "**Jeevan Kaushal Training**" in NIMHANS, Bangalore, during 20th Jan to 25th Jan. 2020 (Five days).

28. Faculty Development Program on AICTE certification for the on-line workshop "**Incorporating Universal Human Values in Technical Education**". 2-6 May 2020.
29. Webiner on OBE 1.0 conducted by Winsun Global Tech on 23.05.2020.
30. Webiner on **The Economics of the Pandemic** conducted by **Sean Flynn**, Behavioral Economist and Author of International Bestsellers McGraw Hill, India on 28.05.2020.
31. Faculty Development Program on AICTE ATAL FDP "**Blockchain Technology(BCT)**" during 25-29, May, 2020 conducted by NIT Warangal.
32. Webiner on Webinar on Additive Manufacturing in Academics conducted by CoreEL Technologies (I) Pvt Ltd, CoreEL Technologies, #21, 7th Main, 1st Block, Koramangala, Bangalore 560034, India on 13.04.2020.
33. Organised Webiner on "**Industry Demands, Coding and No Coding Options, Job Requirements, Career Guidance and Certifications**" conducted by **IQAC & Department Mechanical Engineering**, RYM Engineering College, Ballari, Karnataka, India on 05.06.2020.
34. Webinar on "**Any one can become Software Engineer**" conducted by **Sathak Research Foundation**, Mohamed Sathak Engineering College, Tamil Nadu, India on 10 th JUNE 2020.
35. Faculty Development Program on "**Emerging Engineering Materials**" during 1st-5th, June, 2020 Dept. of Mechanical Engineering, BITM, Ballari in association with ISME.
36. Webinar on "**Cyber Forensics and the Current Challenges**", held on 13.06.2020, organized by Department of Information Technology, School of Computer, Information and Mathematical Sciences, B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai, Tamilnadu.

37. One week Faculty Development Programme on **Ruby and Perl Programming**, from the 03rd June to 08th June 2020 organized by the Department of Computer Science and Engineering, St. Peter's Engineering College, Hyderabad in Association with Spoken Tutorials, IIT Bombay.
38. Faculty Development Program on AICTE certification for the on-line workshop "**Incorporating Universal Human Values in Technical Education**". 20-24 June 2020.
39. Faculty Development Program on AICTE Training and Learning (ATAL) Academy **Online** FDP on "**Artificial Intelligence**" from **08-06-2020** to **12-06-2020** at **Indraprastha Institute of Information Technology, Delhi (IIIT-Delhi)**.
40. Faculty Development Program on AICTE Training and Learning (ATAL) Academy **Online** FDP on "**Artificial Intelligence**" from **03-06-2020** to **07-06-2020** at **CENTRAL UNIVERSITY OF KERALA**.
41. AICTE Training and Learning (ATAL) Academy **Online** FDP on "**Blockchain**" from **22-06-2020** to **26-06-2020** at **JNTUA COLLEGE OF ENGINEERING (AUTONOMOUS), PULIVENDULA**.
42. THE WEBINAR ON "**POST COVID-19 and HOW TO ENHANCE OUR IMMUNE SYSTEM NATURALLY**" Organized By **RYMEC LEAD** in Association with **Dept of CSE, Rao Bahadur Y Mahabaleshwarappa Engineering College, Ballari-583104** on 29-06-2020 **CERTIFICATE ID :-UESUM4-CE000080**.
43. Participation Certificate Spitting Kills Jun-Aug 2020 to prevent the spread of COVID-19.
44. THE WEBINAR ON participated in the National Level Five Day faculty development program on "**Scilab**" in Association With IIT-Bombay (Remote Learning Through Spoken Tutorial)," from 15th - 19th , June 2020 organized by the Department of Science & Humanities.

45. THE Webinar On “**Beginners Guide To Electric Vehicle**” On 20/06/2020 (Saturday) - 11:00 AM- 12:00 PM" organized by Oxford College of Engineering Bengaluru, Karnataka ,Certificate ID: IUKJ7O-CE000013
46. The webinar titled “ **Importance of Management Principles**” Conducted by the Department of Electronics and Communication Engineering, KCG College of Technology, Chennai on 13.06.202.
47. AICTE Training and Learning (ATAL) Academy **Online FDP on "Computational Fluid Dynamics"** from 2020-9-21 to 2020-9-25 at Symbiosis Institute of Technology, Pune.
48. One Day Webinar on ”**Nuances in NAAC –Revised Accreditation Framework**”held at Department of Management Studies, VTU Centre for Post Graduation Studies, Mysuru on 14th August, 2020.
49. One week FDP on " **Advancement and Research Opportunities in Electronics and Telecommunications**" from 2020-8-04 to 2020-8-08 at SPVP SB PCE, Indapur.
50. One Day National Level Webinar on "**ROLE AND CHALLENGES IN SCIENCE AND TECHNOLOGY**" ”held at Department of Physics, Mathematics & Botany , SRKAC&SC Mudhol , Bagalkot on 27 July, 2020.
51. Three days online National FDP / SDP on “**Developments in Reducing Environmental Pollution: Bio-fuels & Thermoacoustic Refrigeration**” from 29th July to 31st July 2020.
52. Webinar on "**Questions and Answers Session on various Health Issues with Dr Khadar Vali**” Organized By Rao Bahadur Y Mahabaleshwarappa Engineering College, Ballari-583104 on 27-07-2020.

- 53.5-Days e-Workshop on “**MATLAB and its Applications in Electrical Engineering**”held from 20-07-2020 to 24-07-2020 organized by Department of Electrical and Electronics Engineering, SVCE , Tirupathi.
54. Webinar on "**CNC Machining & Programming**" Organized By JSSATE,Bangalore on 15-07-2020.
55. Webinar on "**Design & Analysis through FEM & Crash Analysis**" Organized By JSSATE,Bangalore on 15-07-2020.
56. Webinar on "**Trends in Renewable Energy**" Organized By JSSATE,Bangalore on 14-07-2020.
57. Webinar on "**ERP Products and its Applications**" Organized By JSSATE,Bangalore on 14-07-2020.
58. Webinar on "**Vehicle Aerodynamics**" Organized By JSSATE,Bangalore on 13-07-2020.
59. Webinar on "**Transition from Conventional to New Refrigerants**" Organized By JSSATE,Bangalore on 13-07-2020.
60. Webinar on Academic-Administrative Audit and Best Practices on 18/11/2020,organized by IQAC,RYMEC,Ballari.
61. AICTE Training And Learning (ATAL) Academy Online FDP on "**Rural Entrepreneurship**" from 2020-11-23 to 2020-11-27 at Mahatma Gandhi University.
62. AICTE Training And Learning (ATAL) Academy **Online** FDP on "**Waste Technology**" from **2021-1-4** to **2021-1-8** at NIT WARANGAL.
63. AICTE Training And Learning (ATAL) Academy **Online** FDP on "**Stress-management**" from **2021-2-1** to **2021-2-5** at **GOVERNMENT COLLEGE OF ENGINEERING - SRIRANGAM.**

64. Webinar on "**Questions and Answers Session on various Health Issues with Dr Khadar Vali**"

65. AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "**Wastewater Treatment Recycle and Reuse**" from 06/09/2021 to 10/09/2021 at Netaji Subhas University of Technology West Campus.

66. AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "**Fostering Culture of Startup, Innovation & Entrepreneurship in Academic Institutions**" from 20/09/2021 to 24/09/2021 at STEP-HBTI.

67. Webinar "**Value Education - Awareness on UHV**" 24th August 2021. RYM Engineering College Ballari.

68. Webinar "**Academic and Administrative Audit**" 18-08-2021 & 19-08-2021, RYM Engineering College, Ballari.

69. Webinar "**LIFE SKILLS**" 31-07-2021 RYM Engineering College, Ballari.

70. AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "**Women Entrepreneurship: Opportunities from Ideation to Implementation**" from 25/10/2021 to 29/10/2021 at Entrepreneurship Development Institute of India.

71. AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Entrepreneurship Development and Managing Start Ups" from 18th NOV. – 22nd NOV. 2021 at Department of Rural Management, Babasaheb Bhimrao Ambedkar University, Lucknow.

72. One Week AICTE – VTU Joint Training Programme for Teachers on "**An Overview of Teaching Techniques in Innovation & Design Thinking**" on 6th to 10th December 2021 Organized by VTU Human Resource Development Centre (VTU-HRDC), Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur (Dist.) - 562101.

73. One Week AICTE – VTU Joint Teachers Training Programme for Teachers on “**An Overview of Teaching Techniques in Scientific Foundations of Health**” between 20th & 24th December 2021 Organized by VTU Human Resource Development Centre (VTU – HRDC), Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur (Dist.) - 562101.
74. NAAC Sponsored Two Days National Level Workshop on "NAAC Accreditation System with Effective DVV process" conducted on 13th – 14th May, 2022 in Hybrid Mode Organized by Internal Quality Assurance Cell (IQAC).
75. The IPR awareness/training program under the special mission called “National Intellectual Property Awareness Mission (NIPAM)” at Rao Bahadur Y. Mahabaleswarappa Engineering College on 17/05/2022.
76. AICTE Training And Learning (ATAL) Academy **Blended/Hybrid FDP on "Advances In Additive Manufacturing"** from **2022-09-15-2022-09-20** to **2022-09-26-2022-09-30** at **BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT.**
77. One Week AICTE–VTU Joint Teachers Training Programme on “**Introduction to Python Programming & its Applications**” from **13th to 17th March 2023** Organized by Visvesvaraya Technological University, Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur (Dist.) - 562101.
78. One Week AICTE–VTU Joint Teachers Training Programme on “**Smart Materials & Systems**” from **29th May to 02nd June 2023** Organized by Visvesvaraya Technological University, Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur (Dist.) -562101.

79. One day webinar “**Achiving Academic Excellence in NIRF**” 27th July 2023, RYM
Engineering College Ballari.

80. One day workshop “**Orientation Program for Translators & Reviewers on technical book Writing in regional Language Kannada as Translator/Reviewer**” on 14 Dec. 2022,
Organized by Visvesvaraya Technological University, Centre for PG Studies, VIAT,
Muddenahalli, Chikkaballapur (Dist.) -562101.

81. AICTE Training And Learning (ATAL) Academy Faculty Development Program on **Climate Change: Problems and Prospects** at RAO BAHADUR Y MAHABALESWARAPPA
ENGINEERING COLLEGE, BALLARI from 20/11/2023 to 25/11/2023.

EXTRA CURRICULAR ACTIVITIES

1. Guided 18 Projects for M.Tech course students

2. Guided More Than 20 Projects for BE course students

3. KSCST Grants Sanctioned Research Projects - 01

4. Total Number of Papers Published – 104

5. Number of Projects Completed as a Co-Principal Investigator under Research Grant

Schemes - 02

SI No	Name of The Funding Agency	Project Title	Year of Funding	Duration	Amount Sanctioned	Status
1	KSCST (Karnataka State Council for Science and Technology)	Investigation of alcohols (Ethanol) and Reduction of Emissions CI Engine	2013	6 Months	Rs-5000	Completed
2	AICTE (All India Council for Technical Education)	Investigation of Bio-Fuels and Low Cetane Fuels In CI Engine and Reduction of Exhaust Emissions From The Exhaust Gases Using Semi-Adiabatic Air-Gap Bimetallic Metal Matrices Materials Crown Pistons.	2013	3 Years	Rs -12.4 Lakhs	Completed

6. Session Chair Person in Two- Day National Conference on “Emerging Trends in Materials, Design and Manufacturing” on 27th and 28th May 2022, Department of Mechanical Engineering, J.S.S. Academy of Technical Education, J.S.S campus, Utharahalli-Kengeri Main Road, Bangalore-560060.

7.Eighth International Symposium on Energy,Speaker of Renewable Energy Technologies Session,Energy 8,6-9 August2018,Aberdeen,Scotland,United Kingdom.

<https://energy8.nscj.co.uk/sessions/Sheringham.html>

https://nscj.co.uk/abstract/files/8/bio/en08_B0921.pdf



8.Organised the **National level** workshop on "Academic and Administrative Audit" (AAA) (NAAC Sponsored) 18th & 19th may 2021.

9.Best paper award in the International Conference on Materials and System Engineering, ICMSE-2021,SJBIT,Bangalore for the title “Investigation of Effect of Ceramic Material over which Platinum coated Piston Crown and Alcohols Mixed with Vegetable oils and its Performance Evaluation”

10. Organised two days “**International Conference on Advances in Mechanical Engineering & Management**” ICAMEM, during 20th and 21st October 2023 at Department of Mechanical Engineering, RYMEC,Ballari.

Papers Published in International Journals (51)

1. **“Numerical Investigation and Fatigue Life estimation of modified Diesel Engine Piston”**, International Journal of Recent Development in Engineering and Technology, Website: www.ijrdet.com (ISSN 2347 - 6435 (Online)) **Volume No.2, Issue No.6, Jun 2014** https://www.ijrdet.com/files/Volume2Issue6/IJRDET_0614_11.pdf.
2. **“Experimental Investigation of Twin Cylinder Diesel Engine Using Methanol”**, International Journal of Engineering Science and innovative Technology (IJESIT), (ISSN 2319 – 5967) (Online) Volume No.3, Issue No.4,pg no 676-685, July2014)https://www.ijesit.com/Volume%203/Issue%204/IJESIT201404_93.pdf.
3. **“Performance & emission of Twin Cylinder Diesel Engine Using Ethanol”**, International Journal of Engineering Science and innovative Technology (IJESIT), (ISSN 2319 – 5967) (Online) Volume No.3, Issue No.4, July2014),pg no 686-695,https://www.ijesit.com/Volume%203/Issue%204/IJESIT201404_94.pdf
4. **“Experimental Investigation of Twin Cylinder Diesel Engine Using Diesel & Methanol”**, International Journal of Modern Engineering Research, (IJMER)Website: www.ijmer.com (ISSN 2249 - 6645 (Online)) Volume No.4, Issue No.7, July 2014)(7),pg no 7-15 ,https://www.ijmer.com/papers/Vol4_Issue7/Version-3/IJMER-47030715.pdf
5. **“Performance & emission of Twin Cylinder Diesel Engine Using Diesel & Ethanol”**, International Journal of modern Engineering research, (IJMER)Website: www.ijmer.com (ISSN 2249 - 6645 (Online)) Volume No.4, Issue No.7,July2014)(16),pgno16-23,,https://www.ijmer.com/papers/Vol4_Issue7/Version-3/IJMER-47031623.pdf.

6. **“Performance and Emission Characteristics of CI Engine using Hippie Oil and Cotton Seed Oil Blended with Methanol”**, International Journal of Recent Development in Engineering and Technology, Website: www.ijrdet.com (ISSN 2347 - 6435 (Online)) Volume No.3, Issue No.1, July 2014),pg no 91-96,https://www.ijrdet.com/files/Volume3Issue1/IJRDET_0714_17.pdf .
7. **“Performance & Emission of C I Engine Using Diesel & Ethanol Blended with Jatropa Oil”** in International Journal of Recent Development in Engineering and Technology (ISSN 2347 - 6435 (Online)), Volume 2, Issue 6, June 2014,pg no 77-83,https://www.ijrdet.com/files/Volume2Issue6/IJRDET_0614_15.pdf.
8. **“Performance & emission of C I Engine Using Diesel & Ethanol blended with linseed oil”** ISSN: 2319-5967 International Journal of Engineering Science and Innovative Technology (IJESIT) Volume 3, Issue 4, July 2014,pg no 735-742 ,<http://www.ijesit.com>,https://www.ijesit.com/Volume%203/Issue%204/IJESIT201404_100.pdf
9. **“Performance and emission characteristics of two cylinder diesel engine using diesel and pine oil”**, International Journal of Modern engineering Research, IJMER,Volume No 4, Issue No.7, Month July2014,pg no 63-69,https://www.ijmer.com/papers/Vol4_Issue7/Version-6/IJMER-47066369.pdf.
10. **“Combustion Analysis of Inverted M Type Piston CI Engine By Using CFD”** International Journal of Recent Development in Engineering and Technology, Website: www.ijrdet.com (ISSN 2347 - 6435) Volume No3., Issue No.2, August 2014),pg no 40-44,https://www.ijrdet.com/files/Volume3Issue2/IJRDET_0814_09.pdf
11. **“Investigation of Twin Cylinder Diesel Engine Fueled with Pongamia oil and Diesel oil”** in International Journal of Recent Development in Engineering and Technology (ISSN 2347 - 6435 (Online)), Volume 3, Issue 1, July 2014,pg no 86-90,https://www.ijrdet.com/files/Volume3Issue1/IJRDET_0714_16.pdf.

12. **“Performance and Emission Evaluation of Direct Injection Diesel Engine Fuelled with Rubber Seed oil”**, International Journal of Engineering Science and innovative Technology (IJESIT),(ISSN 2319–5967)) Volume No.3, IssueNo.5,September, 2014),pgno 209-216,https://www.ijesit.com/Volume%203/Issue%205/IJESIT201405_26.pdf.
13. **“Experimental Investigation of multi Cylinder Diesel Engine Using Rubber Seed oil and diesel”**, International Journal of Recent Development in Engineering and Technology, Website: www.ijrdet.com (ISSN 2347 - 6435) Volume No.3, Issue No.1, July 2014),pg no 45-50,https://www.ijrdet.com/files/Volume3Issue1/IJRDET_0714_10.pdf.
14. **“Performance and Emission Characteristics of Twin Cylinder CI Engine Using Cottonseed oil Blended With Methanol”**International Organization of Science Research Community of Researcher (IOSR) IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684,p-ISSN: 2320-334X, Volume 12, Issue 1 Ver. I (Jan- Feb. 2015), PP 47-53,DOI: 10.9790/1684-12114753,<https://www.iosrjournals.org/iosr-jmce/papers/vol12-issue1/Version-1/G012114753.pdf>
15. **“Experimental Investigation of Twin Cylinder Diesel Engine Using Jatropha and Hippie oil Blend with Ethanol”**International Organization of Science Research Community of Researcher (IOSR) Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684,p-ISSN: 2320-334X, Volume 12, Issue 1 Ver. I (Jan- Feb. 2015), PP 54-60,DOI: 10.9790/1684-12115460,<https://www.iosrjournals.org/iosr-jmce/papers/vol12-issue1/Version-1/H012115460.pdf>
16. **“Numerical Investigation and Fatigue Life Estimation of Conventional Diesel Engine Piston”**International Organization Of Science Research Community of Researcher (IOSR)IOSR Journal Of Mechanical And Civil Engineering (Iosr-Jmce) E-ISSN: 2278-1684,P-Issn: 2320-334x, Volume 12, Issue 2 Ver. Iii (Mar - Apr. 2015), Pp 51-55 www.Iosrjournals.Org , paper has been indexed successfully in **ANED (American National Engineering Database)**, article ANED-DDL (Digital Data link) number is 13.1864/iosr-Jmce-G012235155,www.aned.us,article MML (Manuscript Mapping Link) number is 1684-1202-0355, article has indexed in **ESCI (European Science Citation Index)**.www.esciworld.org

17. **“Investigation and Performance Evaluation of Honge Seed Oil Blended with Diesel Using the Twin Cylinder Diesel Engine”** International Journal Of Advance Foundation And Research In Science & Engineering (IJAFRSE), www.ijafirse.org,ISSN:2349-4794 (Online) Volume No.2, Issue No.3, August , 2015), impact factor 1.036, Science Central Value:26.54
18. **“Investigation and Performance Evaluation of Pine oil Blended with Diesel Using the Twin Cylinder Diesel Engine** “International Journal of latest technology in management and applied science, (ISSN 2278 – 2540) Volume No. IV, Issue No. IX, September, 2015) PP 01-05,<https://www.ijltemas.in/DigitalLibrary/Vol.4Issue9/01-05.pdf>
19. **"Investigation of Methanol in Twin Cylinder In Line 4 Stroke Liquid Cooled Diesel Engine"**, International Journal of Mechanical and Production Engineering (IJMPE),Volume-3,Issue-9,Sept.-2015,PP 55-60 ,2015IRAJDOI NumberIJMPE-IRAJ-DOI-2909URL-http://www.iraj.in/journal/journal_file/journal_pdf/2-183-144128334855-60.pdfImpact Factor : 3.05,pg no 55-60.
20. **"Investigation and Piston to Piston Comparison of Twin Cylinder Diesel Engine Fueled with Pongamia Oil and Diesel Oil"**, International Journal of Mechanical and Production Engineering (IJMPE), Volume-3,Issue-5,May-2015, pp 58-62 ,2015IRAJIJMPE-IRAJ-DOI-027URL http://www.iraj.in/journal/journal_file/journal_pdf/2-129-143080128158-62.pdf Impact Factor : 3.05,https://www.iraj.in/journal/journal_file/journal_pdf/2-129-143080137458-62.pdf
21. **“Investigation and Performance Evaluation of Ethanol Blended with Diesel Using the Single Cylinder Diesel Engine ”**Journal of International Journal of Mechanical Engineering Research (FOREX-IJMER) Volume 3, Issue 3, September 2015, <http://www.forexjournal.co.in/publication.aspx>.
22. **“Investigation and Performance Evaluation of Rubber Seed oil Blended with Diesel Using the Twin Cylinder Diesel Engine”**Journal of International Journal of Mechanical Engineering Research (FOREX-IJMER) Volume 3, Issue 3, September 2015, <http://www.forexjournal.co.in/publication.aspx>.

23. **“Investigation and Performance Evaluation of Ethanol Blends with Vegetable Oils as Alternative Fuels in Diesel Engine Performance”** International Journal on Mechanical Engineering and Robotics (IJMER), ISSN (Print) : 2321-5747, Volume-3, Issue-2, 2015.
24. **“Investigation and performance evaluation of hippie seed oil blended with diesel using the twin cylinder diesel engine”** The Clarion International Multidisciplinary Journal, The Clarion Volume 5 Number 1 (2016) PP 14-22, ISSN : 2277-1697, https://www.theclarion.co.in/_files/ugd/51d8a1_5332104b9f7f418f8e5bcd54880a4303.pdf, DOI number: 10.5958/2277-7X.2016.00003.4.
25. **“Numerical Investigation and Fatigue Life Estimation of Conventional and Modified Piston of Diesel Engine”** International Journal of Materials, Mechanics and Manufacturing, Vol. 5, No. 2, May 2017, Pg142-pg145, IJMMM 2017 Vol.5(2): 142-145, ISSN: 1793-8198, DOI: 10.18178/ijmmm.2017.5.2.306.
26. **“An Experimental Investigation of Mahua oil blended with Ethanol as substitute fuel in Diesel Engine”** International Journal of Engineering Research And Advanced Technology (IJERAT), ISSN: 2454-6135, Special Volume. 02 Issue.01, May-2016, pg no 187-193, <https://ijerat.com/index.php/ijerat/article/view/266/269>.
27. **“An Experimental Investigation of using Ethanol as additive to Coconut oil on the Performance and Emission characteristics of a Diesel Engine at different loads”** International Journal of Engineering Research And Advanced Technology (IJERAT), ISSN: 2454-6135, Special Volume. 02 Issue.01, May-2016, pg no 194-201, <https://ijerat.com/index.php/ijerat/article/view/267/271>.
28. **“An Experimental Investigation on Effects of Ethanol Blended Pogamia oil and Diesel Fuel to Engine Performance and Emissions of a Diesel Engine”** International Journal of Engineering Research and Advanced Technology (IJERAT), ISSN: 2454-6135, Special Volume. 02 Issue.01, May-2016, pg no 202-212, <https://ijerat.com/index.php/ijerat/article/view/269/273>.

29. **“Analysis and Comparison of performance and emissions of a Diesel engine fuelled with Diesel and Cottonseed oil blended with Ethanol”** International Journal of Engineering Research and Advanced Technology (IJERAT),ISSN: 2454-6135, Special Volume. 02 Issue.01, May-2016,pg no 213-219,<https://ijerat.com/index.php/ijerat/article/view/271/275>.
30. **“Investigation of Apricot oil blended with Ethanol as substitute fuel inTurbocharged Diesel Engine”** International Journal of Engineering Research and Advanced Technology (IJERAT),ISSN: 2454-6135, Special Volume. 02 Issue.01, May-2016,pg no 279-285,<https://ijerat.com/index.php/ijerat/article/view/290/294>.
31. **“Mango seed oil blended with Ethanol as a Bio fuel and Diesel as a fossil fuel inTwin Cylinder diesel Engine”** International Journal of Engineering Research and Advanced Technology (IJERAT),ISSN: 2454-6135, Special Volume. 02 Issue.01, May-2016,pg no 286-292,<https://ijerat.com/index.php/ijerat/article/view/291/295>.
32. **“Performance and Emission characteristics of Rape seed oil blended withEthanol and Diesel in CI Engine”** International Journal of Engineering Research and Advanced Technology (IJERAT),ISSN: 2454-6135, Special Volume. 02 Issue.01, May-2016,pg no 293-299,<https://ijerat.com/index.php/ijerat/article/view/292/296>.
33. **“Investigation And Performance Evaluation of Ethanol Blend with Camfer oil as Alternative Fuels in Diesel Engine”** International Journal of Recent Scientific Research, ISSN: 0976-3031, Vol. 7, Issue, 4, pp. 10454-10458, April, 2016,<https://www.recentscientific.com/sites/default/files/5032.pdf>.
34. **“Review of Heat Transfer Enhancement in a Heat Exchanger with Partially Filled Porous Media”** International Journal of Current Research,ISSN: 0975-833X, Vol. 8, Issue 06, pp. 33245-33252, June 2016,<https://www.journalcra.com/sites/default/files/issue-pdf/15423.pdf>.

35. **“Impacts of Mahua oil Blended with Methanol Combustion on HC, CO, Nox, Smoke Emissions and their Reduction In Diesel Engine”** International Journal of Current Research,ISSN: **0975-833X**,Vol. 8, Issue 06, pp. 32487-32490, June 2016,<https://www.journalcra.com/sites/default/files/issue-pdf/15379.pdf>.
36. **“Expermental Investigation of Camphor oil and Soyabean oil Blended with Methanol as Substitute Fuel In SI Engine”** International Journal of Current Research,ISSN: **0975-833X**,Volume 8, Issue 06, page no 32478-32483, June 2016,<https://www.journalcra.com/sites/default/files/issue-pdf/15331.pdf>.
37. **“Combustion and Emission Characteristics of a Direct Injection Compression Ignition Engine Using Pongamia oil Blended with Methanol”** International Journal of Recent Scientific Research, ISSN: 0976-3031, Vol. 7, Issue, 5, pp. 11136-11140, May 2016,<https://www.recentscientific.com/sites/default/files/5316.pdf>.
38. **“Engine Performance and Emission Analysis Using Oxidatively Stabilized Cotton Seed oil Blended with Methanol”** International Journal of Recent Scientific Research, ISSN: 0976-3031, Vol. 7, Issue, 5, pp. 11131-11135, May 2016,<https://www.recentscientific.com/sites/default/files/5315.pdf>.
39. **“Impact of Apricot oil blended with Methanol on Performance and Pollutant Emissions in a Compression Ignition Engine”**International Organization of Science Research Community of Researcher (IOSR) Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684,p-ISSN: 2320-334X, Volume 13, Issue 3 Ver. VI (May- Jun. 2016), PP 28-33, DOI: 10.9790/1684-1303062833,<https://www.iosrjournals.org/iosr-jmce/papers/vol13-issue3/Version-6/E1303062833.pdf>.
40. **“Investigation of Canola oil and Honge oil Blended With Ethanol as Substitute Fuel in SI Engine”**International Organization of Science Research Community of Researcher (IOSR) Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684,p-ISSN: 2320-334X, Volume 13, Issue 3 Ver. V (May- Jun. 2016), PP 29-34, www.iosrjournals.org,DOI:

10.9790/1684-1303052934,<https://www.iosrjournals.org/iosr-jmce/papers/vol13-issue3/Version-5/E1303052934.pdf>.

41. **“Rapeseed oil blended with Methanol on Performances and Emissions in Turbocharged Diesel Engine”**International Organization of Science Research Community of Researcher (IOSR) Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684,p-ISSN: 2320-334X, Volume 13, Issue 3 Ver. IV (May- Jun. 2016), PP 91-96, DOI: 10.9790/1684-1303049196,<https://www.iosrjournals.org/iosr-jmce/papers/vol13-issue3/Version-4/P1303049196.pdf>.
42. **“Combustion and Performance Characteristics of CI Engine Running with Mango Seed oil Blended with Methanol”** International Journal of Recent Scientific Research,ISSN: 0976-3031,Volume 8, Issue 7, page no 33977-33981,July 2016,<https://www.journalcra.com/sites/default/files/issue-pdf/15380.pdf>.
43. **“An Experimental Investigation on Performance and Exhaust Emissions of Compression Ignition Engine fuelled with Soyabean Blended with Methanol”** International Journal of Recent Scientific Research, ISSN: 0976-3031, Vol. 8, Issue, 7, pp. 33996-34002, July 2016,<https://www.journalcra.com/sites/default/files/issue-pdf/15738.pdf>.
44. **“Investigation of Ethanol In Common Rail Direct Injection (CRDI) Diesel Engine”**International Journal of Mechanical And Production Engineering, ISSN: 2320-2092,Volume- 4, Issue-6, Jun.-2016,IRAJ DOI Number - IJMPE-IRAJ-DOI-4814,pg no 23-28,https://www.iraj.in/journal/journal_file/journal_pdf/2-264-146847367123-28.pdf.
45. **“An Experimental Investigation of Heat Transfer Performance for Forced Convection of Water in a Horizontal pipe partially filled with a Porous Medium”**International Organization of Science Research Community of Researcher (IOSR) Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684,p-ISSN: 2320-334X, Volume 13, Issue 4Ver. III (Jul. - Aug. 2016), PP 131-140, www.iosrjournals.org,DOI: 10.9790/1684-

130403131140,https://www.iosrjournals.org/iosr-jmce/papers/vol13-issue4/Version-3/S130403131140.pdf.

46. **“Nano Fluids for Heat Exchanger”**, International Journal of Engineering Science and innovative Technology (IJESIT),(ISSN 2319–5967))Volume5, Issue 4, July 2016),pg no 82-89,https://www.ijesit.com/Volume%205/Issue%204/IJESIT201604_11.pdf.
47. **“An Experimental Investigation of Outlet Performance on CI Engine Filled with Soyabean Blended with Methanol”**, International Journal of Recent Development in Engineering and Technology,www.ijrdet.com (ISSN 2347 - 6435)Volume 5,Issue 7,July 2016),pg no 5-9,https://www.ijrdet.com/files/Volume5Issue7/IJRDET_0716_02.pdf.
- 48.**“Utilization Nano Fluids for Heat Exchanger”**, International Journal of Recent Development in Engineering and Technology,(ISSN 2347 - 6435 Volume 5, Issue 8, August 2016),pg no 9-15, https://www.ijrdet.com/files/Volume5Issue8/IJRDET_0816_02.pdf.
- 49.**“Effect of Pine oil blended with Methanol on Performance and Emissions in a Diesel Engine”**International Organization of Science Research Community of Researcher (IOSR) IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684,p-ISSN: 2320-334X, Volume 14, Issue 1 Ver. I (Jan. - Feb. 2017), PP 60-65, DOI: 10.9790/1684-1401016065,https://www.iosrjournals.org/iosr-jmce/papers/vol14-issue1/Version-1/H1401016065.pdf,www.iosrjournals.org.
- 50.**“Production of Biofuels and Performance and Emission characteristics of Biofuels and Diesel in Four stroke Single Cylinder Diesel Engine”** Published in Journal of Emerging Technologies and Innovative Research,JETIR (www.JETIR.org) ISSN UGC Approved (Journal No: 63975) & 5.87 Impact Factor, Published in Volume 6 Issue 6 , July-2019 | Date of Publication: 2019-07-06,pg no .647-652.

51. "Fabrication of Ultrasonic Welding Machine Using Ultrasonic Horn And Generator"

Published in JETIRGB06054 Journal of Emerging Technologies and Innovative Research (JETIR) www.jetir.org , © 2024 JETIR January 2024, Volume 11, Issue 1 www.jetir.org (ISSN-2349-5162),pg425-433.

Papers Published in International Conferences (20)

1. **“Investigation and Piston to piston comparison of Twin Cylinder Diesel Engine Fueled with Pongamia oil and Diesel oil”** Proceedings of Eighteenth The IIER International Conference, ISBN: 978-93-82702-86- (ICMAPE), II-MAPEITL-28035-439, **Rome, Italy, 28th-29th March 2015, pg41-pg45.**
2. **“Experimental Investigation of Twin Cylinder Diesel Engine Using Linseed oil Blend with Ethanol”** International Conference on Mechanical, Aeronautics and Production Engineering, ICNSE-1439, **Kyoto, Japan 7th to 9th May 2015, pg-100.**
3. **“Investigation of Methanol in Twin cylinder in line 4 Stroke liquid cooled Diesel Engine”** Proceedings of 30th The IIER International Conference ISBN: 978-93-85465-57-4, International Conference on Mechanical, Aeronautics and Production Engineering (ICMAPE), **II-RIETCHN-26075-1467, Beijing, China 26th July 2015, pg50-pg55.**
4. **“Investigation and Performance Evaluation of Ethanol Blends With Vegetable Oils as Alternative Fuels in Diesel Engine, 8th International Conference on Industrial, Mechanical and Production Engineering: Advancements and Current Trends (ICIMP-2015) , Institute for Research and Development #445, Saheed Nagar, Bhubaneswar, Odisha, India, Pin-751030, www.irdindia.in, Bengaluru, Karnataka 560020.**
5. **“Numerical Investigation and Fatigue Life Estimation On Conventional and Modified Pistons Of Diesel Engine”** 2nd International Conference on Mechanical, Aeronautics and Automotive engineering (ICMAA 2015), **Penag, Malaysia, September 3-4, 2015.**
6. **“Investigation of Ethanol in Common Rail Direct Injection (CRDI) Diesel Engine”** Proceedings of 31st The IIER International Conference, ISBN: 978-93-85465-65-9 International Conference on Science, technology and Management (ICSTM), Proceedings of 31st The IIER International Conference, ISBN: 978-93-85465-65-9, **Bangkok, Thailand, 2nd August 2015, pg7-pg12.**

7. **“CFD analysis of modified piston for diesel engine with Ceramic,platinum coating and without coating”** CAMEE-ABS186, Poster Number P70, 79th Annual Session of Indian Ceramic Society & International Conference on Ceramic & Advanced Materials for Energy and Environment, Visvesvaraya Technological University, Belagavi, Karnataka, India& Material Research Centre, Indian Institute of Science, Organized by Indian Ceramic Society, Karnataka Chapter at Christ University, Bangalore, pg161-pg162.
8. **“Combustion analysis of modified inverted “M” type piston for diesel engine with platinum coating and without coating by using CFD”**,5th International Conference on Material Processing and Characterization Programme, 12 and 13 March 2016, SINo:268,IDNo:1107, Gokaraju Rangaraju Institute of Engineering and Technology (Autonomous) (GRIET), Hyderabad, Telangana, India.
9. **“Investigation of a Diesel Engine with Ceramic and platinum coated piston using Canola oil, Soyabean oil and Palm oil blended with Ethanol ”**,5th International Conference on Material Processing and Characterization Programme, 12 and 13 March 2016, SINo:268,IDNo:1107, Gokaraju Rangaraju Institute of Engineering and Technology (Autonomous) (GRIET), Hyderabad, Telangana, India.
10. **“Design and Development of a New Piston using Nimonic Alloy 80A for Low Cetane Fuels usage in CI Engines ”** ICAAMM - 2016,Paper ID : amm 40,International Conference on Advancements in Materials for Manufacturing,7th, 8th and 9th of July 2016, MLR Institute of Technology, Departments of Aeronautical and Mechanical Engineering,Hyderabad, Telangana, India.
11. **“Comparison of Aldehyde Emissions in Alcohols blended with Vegetable oils fuelled C I engine using with and without Ceramic and Platinum Coated Pistons”**, ICAAMM-2016,Paper ID : amm 40,InternationalConference on Advancements in Materials for Manufacturing, 7th, 8th and 9th of July 2016, MLR Institute ofTechnology,Departments of Aeronautical and Mechanical Engineering,Hyderabad, Telangana, India.

12. **“Investigation and assessment of performance and emissions of an IC engine fuelled with diesel and different bio-fuels blended with Ethanol”**,5th International Conference on Material Processing and Characterization Programme, 17 and 19 March 2017, SINo:416,IDNo:1728, Gokaraju Rangaraju Institute of Engineering and Technology (Autonomous) (GRIET), Hyderabad, Telangana, India.
13. **“Common rail twin cylinder diesel engine performance and emission running on Vegetable oils blended with Ethanol”**,5th International Conference on Material Processing and Characterization Programme, 17 and 19 March 2017, SINo:389,IDNo:1521, Gokaraju Rangaraju Institute of Engineering and Technology (Autonomous) (GRIET), Hyderabad, Telangana, India.
14. **“Experimental study on performance and emissions of a turbocharged diesel engine fuelled with diesel and Vegetable oils blended with Ethanol”**,5th International Conference on Material Processing and Characterization Programme, 17 and 19 March 2017, SINo:390,IDNo:1525, Gokaraju Rangaraju Institute of Engineering and Technology (Autonomous) (GRIET), Hyderabad, Telangana, India.
15. **“Performance and emission characteristic of a multi cylinder DI diesel engine running on diesel and bio fuels blended with Methanol”**,5th International Conference on Material Processing and Characterization Programme, 17 and 19 March 2017, SINo:39,IDNo:156, Gokaraju Rangaraju Institute of Engineering and Technology (Autonomous) (GRIET), Hyderabad, Telangana, India.
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2. **“Experimental Investigation of Twin Cylinder Diesel Engine Fueled with Diesel Blend with Tyre Pyrolysis oil (WTP50)”**, Two Day National Conference On Emerging Trends In Engineering Management on 6th and 7th November 2014, Department of Industrial Engineering and Management, J.S.S. Academy of Technical Education, J.S.S Campus, Utharahalli-Kengeri Main Road, Bengalore-560060,Article no.106, Pp.no.76.
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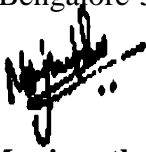
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