
Dr. Pradeep kumar Krishnan, pradeep.sonatech@gmail.com

ME, Ph.D (NIT)

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Summary

Currently working as Senior Faculty of Mechanical and Industrial Engineering at the National University of Science and Technology (NUST) in Muscat, Sultanate of Oman. Obtained Doctor of Philosophy in Mechanical Engineering (PhD 2019) from the National Institute of Technology Durgapur (NIT-D) focusing in all areas relating to the production process, characterization and mechanical behaviour of engineered materials. Research areas currently span: (a) sustainable development of metal matrix composites; (b) advanced materials processing techniques; (c) inter-relationship between processing and mechanical behaviour; (d) electron microscopy; and (e) failure analysis. Authored and/or co-authored several archival publications in (a) International Journals (10+), (b) Book chapters (2) (c) National and International Conference proceedings (14). Attended more than 100 professional certification/training courses. 15-year experience [as FACULTY] in teaching, researching, investigating, experimenting in Mechanical & Manufacturing / Automotive related areas for B.Engg., BSc., Engineering affiliated to UK, USA, Malaysian and Indian Universities.

Education

PhD - Mechanical Engineering

National Institute of Technology (NIT) • Durgapur, WestBengal

03/2019

- **Outcome:** Published four high impact factor Q1 Journals
- **Course work:** Research Methodology
- **Thesis title:** Investigation into the Effects of Stirrer Design on Reinforcement Particle Distribution during Metal Matrix Composite (MMC) Production

ME - Computer Integrated Manufacturing (CIM)

Sona College of Technology (Anna University) • Salem, Tamilnadu

06/2007

- Graduated with first-class

Major Subjects studied

- Applied Materials Engineering
- CNC Machines
- Computer-Aided Design and Manufacturing
- Manufacturing Information Systems
- Probability and Statistical Methods
- Computer Applications in Manufacturing
- CIM Lab
- Mechatronics in Manufacturing Systems
- Finite Element Analysis in Manufacturing Engineering
- Robotics and Sensors
- Metrology and Non-Destructive Testing
- Total Quality System and Engineering
- Advances in Manufacturing Technology
- Seminar on Technical Writing
- Computer-Aided Process Planning
- Nano Technology

- Supply Chain Management
- Project Work

BE - Mechanical Engineering

CSI College of Engineering (Bharathiar University) • Ooty, Tamilnadu

04/2003

- Graduated with first-class

Major subjects studied

- Computer Integrated Manufacturing
- Design of Transmission Systems
- Computer-Aided Engineering
- Non-Traditional Machining Techniques
- Plant Layout and Material Handling
- Statistical Quality Control and Reliability Engineering
- Principle of Management
- Automotive Engineering
- Industrial Robotics
- Renewable Sources of Energy
- Project Work and Viva Voce

DME - Diploma in Mechanical Engineering

NPA Centenary Polytechnic College, Kotagiri, India • Ooty, Tamil Nadu

04/2000

- Graduated with distinction

Major subjects studied

- Thermal Power Engineering
- Industrial Engineering
- Computer Programming and Applications
- Heat Power Engineering
- Modern Production Process
- Project Work and Entrepreneurship

Experience

Senior Lecturer

National University of Science and Technology(NUST) • Al-hail south, Muscat

12/2018 - Present

- To contribute to the overall functioning and conduct of the department and courses together with appropriate educational management, resource planning, and academic support work and other portfolios.
- To undertake research and scholarly activities college-wide and transform knowledge gained on industrial exposure/culture/environment to graduates for their overall development and career growth.
- Moulding engineering students to gain expertise and confidence in the areas of AutoCAD, CAD/CAM Integration, CNC Machine Tools, Non-Conventional Manufacturing Systems so as to get ready for today's Modern Manufacturing Environment.
- Inculcating the technical and hands-on-skills in students by exposing them to the real-time environment in the industries which would be more useful for them to become full-fledged engineers.
- Lecturing theory and practical laboratory classes to B.Engg/BSc Mechanical Engineering stream students.

List out the modules/courses taught

1. MHH324749 Computer - Aided Design 2
2. MHH124715 Research Methodology
3. MHH124725 Technical Project
4. M3H324923 Materials and Joining Technology
5. M3H324732 Mechatronics Case Studies
6. M3H324922 Fluid Mechanics and Heat Transfer Lab
7. M3H624735 Control Systems Lab
8. M2H324872 Computer - Aided Engineering
9. M2H324731 Mechatronics
10. M2H324714 Manufacturing Processes
11. M2H324913 Workshop Practice
12. M1H625203 Engineering Graphics
13. EGI00103 Engineering Drawing
14. EGI00104 Engineering Workshop

Senior Lecturer

Caledonian College of Engineering • Al-hail south, Muscat

11/2013 - 12/2018

- Ensure classroom participation through creative learning techniques
- Arrange Industry visits to the students of MIE Dept

Senior Lecturer / Department coordinator

Nilai International University • Nilai, N.Sembilan

11/2010 - 12/2013

- Following **Blooms Taxonomy (BT)** to plan exam question papers
- Updating the course file according to **MQA** and **EAC** procedures.
- Guide and supervise the students on technical projects for the Degree.
- Deliver lecture and conduct lab experiments for the **American Degree Program (ADP)**.
- Coordinating BME Department and Preparing for **Engineering Accreditation Council (EAC)**

Senior Lecturer

TAFE College • Seremban, N.Sembilan

08/2008 - 12/2010

- Ensure classroom participation through creative learning techniques
- Achieved LAN accreditation for Diploma in Mechanical Engineering.
- Prepared exam question papers and marking keys within the stipulated date.
- Maintain and update subject file for each subject taught as per ISO 9002 procedures.
- Conducted industrial visits to the students to develop their practical knowledge.
- Guide and supervise the students for LJMU- Liverpool John Moore University (U.K).
- Incharge for the Programming Logical Control lab
- Served as an advisor for the Mechanical Engineering Society
- Course Advisor for Certificate in Engineering- To check and review syllabi as continuous improvement to meet industry requirement

Lecturer

Maharaja Engineering College • Avinashi, Tamil Nadu

08/2007 - 06/2008

- Delivered lecture and conducted practical classes for the various subject in bachelor's degree program.
- Guided and supervised the students for final year bachelor's degree projects.
- In charge of the Mechatronics lab.

- Conducted Industrial visits with the students to develop their practical knowledge.
- Conducted continuous assessments and monitored student progress.
- Worked in a team and achieved AICTE accreditation for a bachelor's degree in Mechanical Engineering.

Lecturer

Govt Polytechnic College • Ooty, Tamil Nadu

05/2003 - 07/2005

- Generated funds from CIICP- Canada India Institutional Cooperation Project Scheme.
- Conducted short term course on Auto CADD to the students under CIICP project.
- Generated funds from TAADCO- Tamil nadu Aadi Dravidar Cooperation Project.
- Conduced training to the staff and students under TAADCO project.
- Generated funds from EMD- Entrepreneur Management Development Cell.
- Conducted Training to the staff and students under EMD project.

Skills

- Teaching
- Organizational skills
- Ability to manage change with ease
- Strong interpersonal
- Achievement oriented with excellent people management skills
- Ability to conduct short term courses

Languages

- English
- Kannada
- Tamil
- Hindi

Areas of Expertise/Specializations

- Metal Matrix Composite (MMC's)
- Computer - Aided Design & Manufacturing
- AutoCAD
- Autodesk Inventor
- Solid Works
- CNC Simulator and Emulator
- PTC Creo
- Engineering Graphics
- Computer Integrated Manufacturing
- Hydraulics Systems

Academic Citations

- Web of Science Researcher ID : AAU-3389-2021 <https://publons.com/researcher/4547517/drpradeep-kumar-krishnan/>
- Google Scholar ID : <https://scholar.google.com/citations?hl=en&user=0JEMVNkAAAAJ>
- Orcid ID: <https://orcid.org/0000-0002-4954-5066>
- Scopus ID: <https://www.scopus.com/authid/detail.uri?authorId=57205494185>

Professional Qualifications/Certifications/Training

Facilitated

1. Facilitated Short term course on Hydraulic System Maintenance conducted during 22nd April 2018 to 3rd May 2018 for seven clients from **ROYAL NAVY OMAN**
2. Conducted/facilitated short term course on Electro pneumatics for **ROYAL YACHT OMAN** Electronic Technician for three weeks from 08th January 2017 to 12th March 2017 to 30th March 2017
3. Trained /Accompanied the 13 students of B.Sc Chemical Engineering of the Caledonian College of Engineering who have undergone internship from 19-26 August 2016 in the school of Civil and Chemical Engineering (SCALE), VIT University, Vellore, India
4. Facilitated/Arranged a staff visit to **Royal Opera House Muscat (ROHM)** on 04th November 2015, and participated in a technical presentation. A group of 17 staff members from MIE dept participated in the visit.

Participated

1. Participated in Six days (One Week) All India Council for Technical Education (AICTE), New Delhi sponsored Short-Term Training Programme (STTP) series on Recent Advances in Tribology and Surface Engineering: Series 4 of 4- surface, organized by Department of Mechanical Engineering, of Saintgits College of Engineering, Kottayam, from 23-28 November, 2020.
2. Participated in AICTE sponsored Six days Short-Term Training Programme (STTP) on “Electric Research Trends in Manufacturing” (Part-2) organized by Department of Mechanical Engineering, ”Poornima Engineering College, Jaipur held from 21-26 December, 2020.
3. Participated in AICTE sponsored One Week Online Short-Term Training Programme (STTP) on “Design, Simulation, Development and Characterization of Composites with Advanced Techniques” from 30/11/2020 to 05/12/2020 (Phase – II) Organized by Department of Mechanical Engineering School of Engineering and Technology GIET University Gunupur-765022, Odisha, India
4. Participated in TEQIP III sponsored Three-Days Short-Term Course on “Engineering Materials and Characterization (EMC)-2020” from 11th to 13th December 2020 organized by Government College of Engineering, Kalahandi, Odisha, in association with Government College of Engineering, Jalgaon, Maharashtra, India.
5. Participated in the Short Term Course on Micromanufacturing Processes conducted by Department of Mechanical Engineering of Indian Institute of Technology Guwahati under the Technical Education Quality Improvement Programme (TEQIP) sponsored by the Ministry of Human Resource Development, Government of India, held during November 30 – December 04, 2020.
6. Participated in the 6-Day (One Week) All India Council for Technical Education (AICTE), New Delhi sponsored online Short Term Training Programme (STTP) Series on RECENT ADVANCES IN TRIBOLOGY AND SURFACE ENGINEERING: Series 3 of 4 – Introduction to special topic like – Nanotribology, Biotribology, Space Tribology, Biomimetics and Tribology in Industry, organized by the Department of Mechanical Engineering of Saintgits College of Engineering, Kottayam from 12th to 17th October 2020.
7. Participated in one-week AICTE sponsored STTP on “Nanotechnology and Functional Materials (NTFM-Phase-IV)” held from 02-11-2020 to 07-11-2020, through online mode, organized by Department of Mechanical Engineering, S V College of Engineering, Tirupati, Andhra Pradesh, 517507
8. Participated in the AICTE Sponsored National Level Five Days Virtual Short Term Training Program (STTP) on “DRIVERS OF INDUSTRY 4.0” from 19th to 23rd of October 2020, organized by Department of Mechanical Engineering, Nitte Meenakshi Institute of Technology, Bangalore-64, INDIA
9. Actively participated in AICTE sponsored One Week Online Short Term Training Program on “Recent Advances in Materials and Manufacturing: Part III” conducted by the Department of Mechanical Engineering, Gayatri Vidya Parishad College of Engineering (Autonomous), Visakhapatnam, during 05th to 10th October 2020 and secured performance grade: A.
10. Participated in the course on “Theory and Analysis of Laminated Composite and Functionally Graded Structures” delivered by Professor J.N Reddy and organized by the centre of excellence for computational mechanics, Ramaiah University of Applied Sciences, Bangalore during 8-11 September 2020.
11. Participated in one-week AICTE sponsored STTP on “Nanotechnology and Functional Materials (NTFM-Phase-III)” held from 14-09-2020 to 19-09-2020, through online mode, organized by Department of Mechanical Engineering, S V College of Engineering, Tirupati, Andhra Pradesh, 517507.
12. Proactively participating in the One Week Online Short Term Course on “Recent Developments in Mechanical Systems” Organized by Department of Mechanical Engineering, G. B. Pant Institute of Engineering and Technology, Pauri- Garhwal Uttarakhand from 07 - 11 September, 2020 under TEQIP-III: Mentoring system.

13. Successfully completed an online short-term training program on “Advanced Engineering Optimization Through Intelligent Techniques (AEOTIT) during 01st to 05th September 2020 conducted by the Department of Mechanical Engineering, Sardar Vallabhbhai National Institute of Technology, Surat, Gujarat State, India
14. Participated in one-week AICTE sponsored Short Term Training Programme (STTP) on “Nanotechnology and Functional Materials (NTFM-Phase-II)” held from 17-08-2020 to 22-08-2020, organized by Department of Mechanical Engineering, S V College of Engineering, Tirupati, Andhra Pradesh, 517507
15. CNC Machine operation, Part Programming and Maintenance Training-ACE Designers Ltd-2016
16. Attended the Training Seminar in “Educational & Industrial Approach in CNC Workshop” at German –Malaysian Institute on 3rd July 2013.
17. Completed the training course in “Refreshment Training for MTS CNC Simulator & Edu CNC Studio Emulator ” at Nilai University from 13th to 14th June & 24th June 2013.
18. Attended the “Academic Writing and Publishing Workshop for Early Career Researchers” Jointly Organized by Monash University Sunway Campus and AKEPT Higher Education Leadership Academy on 18th and 19th October 2011.
19. Completed the course of “MTS Simulator and EDU Studio Emulator Application Training” at Nilai University College, Negeri Sembilan from 20th to 24th June 2011.
20. Completed the Solid works Essential course in “Solid Works 2011” at IME Cad Cam Training Centre Sdn Bhd on 8th July 2011.
21. Attended the “Academic Writing and Publishing Workshop for Early Career Researchers” Jointly Organized by Monash University Sunway Campus and AKEPT Higher Education Leadership Academy on 18th and 19th October 2011.
22. Completed the training course in “Introduction to ANSYS FLUENT” at CAD-IT Consultants (Asia) Pte Ltd from 19th September 2011 to 22nd September 2011.
23. Completed the training course in “ANSYS Workbench Mechanical-Introduction” at CAD-IT Consultants (Asia) Pte Ltd from 23rd September 2011 to 27th September 2011.
24. Completed a Professional Training Course in “ISO 9001: 2008, Latest ISO Standard on QMS” organized by Kolej Tafe Seremban on 5th June 2009.
25. Attended a programme on “Tertiary Educator’s Assessment Management (TEAM)” Organized by EMC Management Centre on 18th and 19th February 2010.
26. Completed a Professional Training Course in “ISO 9001: 2008 STD, Internal Quality Audit” organized by ICS Certification (M) Sdn Bhd on 7th August 2010.

Scientific Organizations Membership

1. Certified **Life Member** and **Chartered Engineer (CEng)** of **The Institute of Engineers India (IEI)**-Membership Number **M-1715679**
2. Certified **Life Member** of **Tribology Society of India (TSI)** Affiliated to International Tribology Council,UK, Membership No **LM6018**.
3. Certified Professional Member of **Society of Manufacturing Engineers(SME)**-Membership Number **000016769625**
4. Certified Professional Member of **Indian Institute of Metals (IIM)**-Membership No **58600**
5. Life Member of “**Society for Environmental & Sustainable Development (CESD)**” Membership id: **SESD21_1337**
6. Certified **Life Member** of International Institute of Organized Research (**I2OR**)-Professional Membership No **I2OR/2020/00340**.
7. Certified Professional Member of Institute for Engineering Research and Publication (**IFERP**)-Membership No **PM47026598**.
8. Certified Professional Member of International Association of Engineers (**IAENG**)-Membership No **166011**
9. Certified Professional Member of Institute of Mechanical Engineers (**IMechE**)-Membership No **80298946**
10. Certified Professional Member of Materials Research Society (**MRS**)
11. **Fellow** member of Scholars Academic and Scientific Society(**SASS**). Membership No **SAS/FSAS/177**.
12. **Fellow** member of the International Institute of Organized Research. Membership No **FI2OR**.
13. Certified Professional Member of “**EDUKOS Unite of Scholars (EUS)**” in recognition of **professional excellence**.
14. Certified Life Member of “**Institute of Scholars**” with Life Membership Number **InSc202163B4**.
15. Certified Life Member of “**Indian Academic Researchers Association**” in good standing from May 2021 with Life Membership Number **665/202**

16. Certified member of the “**International Association of Online Engineering (IAOE)**” in good standing from 14th August 2021 with Membership Number **11795**
 17. Member of **Times Higher Education (THE)** in good standing from September 2021
 18. Member of **Oman Society of Engineers(OCE)** with Membership Number **OSE2107588**
 19. Certified member of the "**Quality Circle Forum of India (QCFI)**" with Membership Number **039931 121411**
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International Journal Publications

1. **P. Kumar**, J. Victor, R. Arunachalam, A. I. Mourad, R. Muraliraja, M. Al-maharbi, V. Murali, and M. Manik, (2019): Production of aluminium alloy-based metal matrix composites using scrap aluminium alloy and waste materials: Influence on microstructure and mechanical properties, Elsevier Editorial System (tm) for Journal of Alloys and Compounds.
 2. **Krishnan, P.**, Arunachalam, R., Husain, A., Al-Maharbi, M., 2020. Studies on the Influence of Stirrer Blade Design on the Microstructure and Mechanical Properties of a Novel Aluminium Metal Matrix Composite. *J. Manuf. Sci. Eng.* 1–25. <https://doi.org/10.1115/1.4048266>
 3. R.Arunachalam, **P. Kumar**, and R. Muraliraja, (2019): A review on the production of metal matrix composites through stir casting: Furnace design, properties, challenges, and research opportunities, Elsevier Editorial System (tm) for Journal of Manufacturing Processes, vol. 42, no. December 2018, pp. 213–245, 2019.
 4. R. Arunachalam, S. Piya, **P. K. Krishnan**, R. Muraliraja, J. V. Christy, and A. I. Mourad,(2019): Optimization of a stir, squeeze casting parameters for production of metal matrix composites using a hybrid analytical hierarchy process, Taguchi-Grey approach, *Eng. Optim.*, vol. 0273, no. 15X, pp. 1–19, 2019.
 5. Christy, J.V., Arunachalam, R., Mourad, A.-H.I., **Krishnan, P.K.**, Piya, S., Al-Maharbi, M., 2020. Processing, Properties, and Microstructure of Recycled Aluminum Alloy Composites Produced Through an Optimized Stir and Squeeze Casting Processes. *J. Manuf. Process.* 59. <https://doi.org/10.1016/j.jmapro.2020.09.067>
 6. Ahmed Al-Quwaiti, **Pradeep Kumar Krishnan**, (2016): Study and Design of Flare Reduction Initiative in the Region: A Case Study of Gas Flaring Reduction at Oman Liquefied Natural Gas Company, *British Journal of Applied Science and Technology(BJAST)*14(5).
 7. Fuhaid, M.S., **Krishnan, P.K.**, 2020. Manufacturing and Friction Welding of Aluminium Matrix Composites – Review of Current Status and Future Directions. *TEST Eng. Manag. Mattingley Publ. Co., Inc.* 83, 1122–1130.
 8. Fuhaid, M.S., Murali, V., Maleque, M.A., **Krishnan, P.K.**, Rahaman, M.A., 2021. Synthesis and Characterization of Aluminium Composite with Graphene Oxide Reinforcement Synthesis and Characterization of Aluminium Composite with Graphene Oxide Reinforcement. *IOP Conf. Ser. Mater. Sci. Eng.* 1–12. <https://doi.org/10.1088/1757-899X/1057/1/012005>
 9. Rayapandi Thevar, T., V, R., **Krishnan, P.K.**, R, T., Arunachalam, R., 2020a. A novel approach for the production and characterisation of aluminium–alumina hybrid metal matrix composites. *Mater. Res. Express.* <https://doi.org/10.1088/2053-1591/ab8657>
 10. Rayapandi Thevar, T., V, R., **Krishnan, P.K.**, R, T., Arunachalam, R., 2020b. Microstructural and Mechanical Properties of Al-Reinforced with Micro and Nano Al₂O₃ Particles using Stir-Squeeze Casting Method. *Int. J. Mech. Prod. Eng. Res. Dev.* 10, 193–202. <https://doi.org/10.24247/ijmperdjun202018>
 11. Kaithari, D.K., **Krishnan, P.K.**, Al-Riyami, A., 2021. Recycling of Used Lubricating Engine Oil by A Solvent Extraction Process. *Int. J. Mech. Prod. Eng. Res. Development* 11, 151–158.
 12. Kaithari, D., Al Balushi, M., **Krishnan, P.K.**, 2021. Study of hydrogen sulphide removal from heavy crude oil Study of Hydrogen Sulphide Removal from Heavy Crude Oil. *AIP Conf. Proc.* 2396, 030010, 01–07.
 13. Keloth, D., Sulaiman, B., **Krishnan, P.K.**, 2021. Enhanced Biogas Production from Animal Waste using a Gas-Membrane Absorption Anaerobic Reactor. *AIP Conf. Proc.* 020003, 01–08.
 14. **Krishnan, P. K.**, Zaid, B. and Alrisi, H. (2021) ‘Design and Development of an Electronic Sieving for Sand Separation using Node MCU System’, *Journal of Modern Mechanical Engineering and Technology*, (8), pp. 31–36.
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Book Chapter

1. Arunachalam, R., **P.K. Krishnan**, 2021. Compressive Response of Aluminum Metal Matrix Composites, in: *Encyclopedia of Materials: Composites*. Elsevier Ltd., pp. 1–21. <https://doi.org/10.1016/B978-0-12-803581-8.11818-1>

2. Dinesh Keloth Kaithari, **Dr. Pradeep Kumar Krishnan**, 2021. Recent Design and Development of Hydraulic Jack Operated Hose Crimping Machine, in: Advanced Aspects of Engineering Research Vol. 16, 28 June 2021, Page 95-113. <https://doi.org/10.9734/bpi/aaer/v16/1739C>
 3. **P. K. Krishnan** and R. Arunachalam, "Chapter 11-Physical and mechanical properties of recycled metal matrix composites," in Recycling of Plastics, Metals, and Their Composites, 1st Edition., CRC Press, 2021, 2021, p. 539. <https://doi.org/10.1201/9781003148760>
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Invited Conference Chair

1. Contributed as international *conference chair* in First International Conference on Agriculture, Science, Engineering & Management (ICASEM - 2021) organized By Sanskriti University, Mathura, UP, India and RSP Research Hub on 23rd & 24th October 2021, Mathura, UP, India.
 2. Invited as *Resource person* for the International Conference on Materials, Energy and Mechanical Engineering 2021 (ICAMP- 2021) Organized by the Department of Mechanical Engineering, Nadar Saraswathi College of Engineering and Technology, Theni- India on 03.12.2021 and 04.12.2021.
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Invited Keynote Speaker

1. Participated as Resource Person and delivered the Keynote speech on "*Innovative Design Thinking in Product Development*" in First International Conference on Emerging trends on Commerce, Science, Engineering, Management and Technology (ICCSEMT - 2021) organized By Kishori Raman Post Graduate College, Mathura, UP, India and RSP Research Hub on 13rd & 14th November 2021, Mathura, UP, India.
 2. Participated as Resource Person and delivered the keynote presentation on "*Synthesis and advanced processing techniques of metal matrix composites*" at Five-Day International Online Faculty Development Programme on Emerging Trends in Nanotechnology (ETNT2021) organized by the Department of Basic Science, Vishnu Institute of Technology (A), Bhimavaram, Andhra Pradesh, in association with Physical Research Laboratory (PRL), Ahmedabad, Gujarat, from 9th-13th November 2021.
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Conferences

1. **Pradeep Kumar Krishnan**,(2021) Attended and given Oral Presentation for the paper entitled Sustainable Development and Characterization of Aluminium-Alumina Metal Matrix Composite in the International Conference on Materials, Energy and Mechanical Engineering 2021 (ICAMP- 2021) Organized by the Department of Mechanical Engineering, Nadar Saraswathi Sarawathi College of Engineering and Technology, Theni- India on 03.12.2021 and 04.12.2021.
2. **Pradeep Kumar Krishnan**,(2021) Attended and given Oral Presentation for the paper entitled Effect of Stirrer Blade Design on the Microstructure and Mechanical Properties of a Novel Aluminium Metal Matrix Composite in First International Conference on Emerging trends on Commerce, Science, Engineering, Management and Technology (ICCSEMT - 2021) organized By Kishori Raman Post Graduate College, Mathura, UP, India and RSP Research Hub on 13rd & 14th November 2021, Mathura, UP, India.
3. **Pradeep Kumar Krishnan**,(2021) Attended and given Oral Presentation for the paper entitled Production of aluminium alloy-based metal matrix composites using scrap aluminium alloy and waste materials: Influence on microstructure and mechanical properties in First International Conference on Agriculture, Science, Engineering & Management (ICASEM - 2021) organized By Sanskriti University, Mathura, UP, India and RSP Research Hub on 23rd & 24th October 2021, Mathura, UP, India.
4. **Pradeep Kumar Krishnan**,(2021) Attended and given Oral Presentation for the paper entitled Sustainable Development and Characterization of Aluminium-Alumina Metal Matrix Composite in First International Conference on Green Economy for sustainable growth in Commerce, Science, Technology, Engineering & Management (ICGSTEM - 2021) organized By NSM Degree College, Vile-Parle, Mumbai, India and RSP Conference Hub on 09th and 10th October 2021.

5. **Pradeep Kumar Krishnan**,(2021) Attended and given Oral Presentation for the paper entitled Design And Development of an Electronic Sieving for Sand Separation using NodeMCU System In First International Conference on Advancement in Engineering, Management, Science and Technology (ICEMST 2021) organized by CSI College Of Engineering, Ketti, India on 10th and 11th September 2021.
6. **Pradeep Kumar Krishnan**,(2021) Attended and given Oral Presentation for the paper entitled Mechanical Properties and Microstructure of Scrap Aluminum Alloy Reinforced with Copper Particulates Composite using Stir Squeeze Casting Process in First International Conference on Advancement in Engineering, Management, Science and Technology (ICEMST 2021) organized By CSI College of Engineering, Ketti, India on 10th and 11th September 2021.
7. Participated in Qatar Digital Learning Summit held on 2nd- 3rd, June 2021 organized by International Business and Economic Forum
8. Participated, presented and published a technical paper titled ‘Study of Hydrogen Sulphide Removal from Heavy Crude Oil’ in the International Conference on Energy and Environment (ECEE2021) during April 09-10,2021 organized by Jyothi Engineering College, Thrissur, Kerala, India in association with Indian Society for Technical Education (ISTE)
9. Participated and published a technical paper titled ‘Enhanced Biogas Production from Animal Waste using a Gas-Membrane Absorption Anaerobic Reactor’ in the International Conference on Energy and Environment (ECEE2021) during April 09-10,2021 organized by Jyothi Engineering College, Thrissur, Kerala, India in association with Indian Society for Technical Education (ISTE).
10. Participated and presented a technical paper titled ‘Synthesis and Characterization of Aluminium Composite with Graphene Oxide Reinforcement’ in the International Conference on Research and Advances in Mechanical Engineering organized by the Department of Mechanical Engineering at Vignan Institute of Technology and Science, Hyderabad, Telangana, India., held on 10th & 11th December 2020.
11. Participated and presented a technical paper titled ‘Recycling of Used Lubricating Engine Oil by a Solvent Extraction Process’ in the International Conference on Research and Advances in Mechanical Engineering organized by the Department of Mechanical Engineering at Vignan Institute of Technology and Science, Hyderabad, Telangana, India., held on 10th & 11th December 2020.
12. **Pradeep Kumar Krishnan**, Participated and presented a technical paper titled ‘Removal of Corrosion and Passivation of Iron using Cooking Material as the Electrolyte’ in the International e-Conference on Materials Processing & Characterization (ICMP&C) Organized Chaitanya Bharathi Institute of Technology, Hydrabad, India during 18-19 September 2020.
13. **Pradeep Kumar Krishnan**,(2020) Participated and presented a paper titled ‘Removal of Corrosion and Passivation of Iron using Cooking Material as the Electrolyte ’ in the International Conference on Advanced Materials Science and Applications(ICAMSA) Organized by the Department of Physics and IQAC of Ramaiah Institute of Technology (Autonomous Institute, Affiliated to VTU) Bangalore, India during 03rd to 4th September 2020.
14. Ramanathan Arunachalam, **Pradeep Kumar Krishnan**, (2019): Effect of Reinforcement Particle Size on the Properties of Aluminium Composites Produced by Squeeze Casting Process, International conference Processing and Fabrication of Advanced Materials XXVII (PFAM 27), Jönköping, Sweden.
15. **Pradeep Kumar Krishnan**, Ramanathan Arunachalam, (2016): Effect of Stirrer Design on the Particle Distribution in Stir Casting Furnace Using Experimental & Computational Fluid Dynamics, International Conference on Applied Mechanics and Industrial Systems (ICAMIS-Oman-2016), Muscat, Oman.
16. **Pradeep Kumar Krishnan**, (2012): Flexible Manufacturing System Scheduling: Tabu Search and Ant Colony Optimization Approach, International Conference on Advances in Aeronautical and Mechanical Engineering AME 2012, Organized by IRED and Universal Association of Computer and Electronics Engineers (UACEE), Lebua at State Tower Hotel, Silom, Bangkok, Thailand.
17. **Pradeep Kumar Krishnan**, (2011): Nano-Structured Solar Cells A Review, Regional Symposium On Engineering &Technology, 3rd Regional RSET 2011, International Conference on Opportunities And Challenges For Regional Cooperation in Green Engineering and Technology, Organized by Malaysia Society For Engineering & Technology (MYSET), Hilton Hotel, Kuching, Sarawak, Malaysia.
18. **Pradeep Kumar Krishnan**, (2009): Preferred Approach Of Carving Nano Conductive Devices, Published in International Conference on Advances in Mechanical and Building Sciences in The 3rd Millennium, ICAMB-2009, Organized by School of Mechanical and Building Sciences Centre For Disaster Mitigation and Management, VIT University, Vellore, India.
19. **Pradeep Kumar Krishnan**, (2007): Optimization of Makespan Using Heuristic Techniques For Flexible Manufacturing System Scheduling, National Conference on Recent Trends In Manufacturing And Thermal Engineering, NCRTMT 07, Thanthai Periyar Government Institute of Technology, Vellore, India.

20. **Pradeep Kumar Krishnan**, (2006): Optimization of Makespan Using Heuristic Techniques For Flexible Manufacturing System Scheduling, National Conference on Advances In Manufacturing Engineering, NCME 06, Sona College of Technology, Salem, India.
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Funded Research Project

- Involved in the funded research collaboration between Sultan Qaboos University (SQU) and the United Arab Emirates University (UAEU), Project ID (SQU:CL/SQU-UAEU/17/04 and UAEU:31N270) project titled **“Development and Characterization of a Sustainable Novel Aluminium Metal Matrix Composite for Industrial Applications in the GCC Region”** Project value 15000 OMR (28.5 Lakhs INR), Project duration February 2017– March 2019.
 - Principal Investigator National University Faculty Research Grant (NUFRG-2020), Project ID (NUFRG20.11) project titled **“Development of a Stir Casting Facility for Production of Hybrid Metal Matrix Composites”** Project value 2960 OMR (5.6 Lakhs INR), Project duration January 2021– January 2023.
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Staff Development Workshops (SDW)

Facilitated

1. Delivered an expert lecture on **"Synthesis and Advanced Processing Techniques of Metal Matrix Nanocomposite"** in the Five-days International Faculty Development Program on “Emerging Trends in Nano Technology (09 -13 November 2021)” organized by the Department of Basic Science, Vishnu Institute of Technology(A) (VITB), Bhimavaram, Andhra Pradesh, India
2. Delivered an expert lecture on **"Innovative Design Thinking in Product Development"** in the AICTE ATAL Sponsored Five-days Faculty Development Program on “Design Thinking and Creativity for Educators (27 September -01 October 2021)” organized by the Department of Mechanical Engineering, VELS Institute of Science and Technology and Advanced Studies (VISTAS), Pallavaram, Chennai, India
3. Delivered an expert lecture on **"Processing and Applications of Metal Matrix Composites (MMC's)"** in the ISTE's Muthayammal International Series of Talks (MIST) 26th June, 2021, organized by the Department of Mechanical Engineering, Muthayammal Engineering College, Rasipuram - 637 408, Namakkal Dist., Tamil Nadu
4. Facilitated in-house staff development workshop entitled **“Adapting Active / Interactive Teaching and Learning Techniques for your courses/meeting using interactive digital sites”** on 18th October 2020
5. Delivered an expert lecture on **"Advance scientific development in metal matrix composites (MMC's): Processing and Applications"** in the Five-day Faculty Development Program on “Recent advances in mechanical engineering - (RAME)” (12th October 2020- 16th October 2020) organized by the Department of Mechanical Engineering, Godavari Institute of Engineering & Technology (A), Rajamahendravaram, Andhra Pradesh, India-533296.
6. Facilitated in-house staff development workshop entitled **“Quantification of microstructural features using digital image processing”** on 9th October 2019
7. Facilitated in-house staff development workshop entitled **“Developing pneumatic & electro-pneumatic circuit design using FESTO Fluidsim”** on 23rd October 2019

Participated

1. Actively Participated in the International Faculty Development Program on **"Tribology for Reliability-2020"** from 5th-9th October 2020, Organized By GITAM Deemed to be University.
2. Participated in TEQIP- III Sponsored Online Faculty Development Programme on **“Recent Advancement in Welding and Joining Technology (RAWJT-2020)”** organized by Department of Mechanical Engineering, Veer Surendra Sai University of Technology, Burla, Odisha during 12-16 September 2020.
3. Participated in and successfully completed 2 days Online Faculty Development Program on **"Emerging Fields in Thermal Engineering"** Organized from 13th to 15th August 2020 by the Department of Mechanical Engineering Providence College of Engineering, Chengannur, India
4. Actively participated in six days AICTE sponsored national level Faculty Development Program (FDP) on **“Recent Trends in Fuels and Manufacturing Process”** organized from 10-08-2020 to 16-08-2020, by the Department of Mechanical Engineering, Sri Venkateswara Institute of Science and Technology, Kadapa, Andhra Pradesh,516003.

5. Participated in the AICTE Sponsored National Level Five Days Virtual Short Term Training Program (STTP) on "**INDUSTRY 4.0**" from 24th to 28th of August 2020, organized by Department of Mechanical Engineering, Nitte Meenakshi Institute of Technology, Bangalore- 64, INDIA.
6. Actively participated in five-day Online faculty development program on "**Recent Advances in Mechanical Engineering**" during 4th - 8th August 2020 organized by Department of Mechanical Engineering, Godavari Institute of Engineering and Technology (Autonomous), Rajamahendravaram, Andhra Pradesh, India- 533296.
7. Actively participated in five-day Online faculty development program on "**Interactive Teaching-Learning Strategies**" during 10th - 14th August 2020 organized by the faculty of computer applications, Dr.M.G.R Educational and Research Institute(Deemed to be University), Maduravoyal, Chennai- 95.
8. Actively participated in the five days FDP on "**Research Perspectives of Artificial Intelligence in Electrical Engineering**" organized by the Department of Electrical and Electronics Engineering from 27th July 2020 to 31st July 2020.
9. Participated in the Faculty Development Programme on "**Entrepreneurship Development**" Sponsored by NSTEDB, Department of Science and Technology, Government of India New Delhi.
10. Actively participated in the Five days FDP Programme on "**Future Energy Trends & its Impact** ", from 24th to 28th August 2020, conducted by Department of Electrical and Electronics Engineering, SJBIT, Bengaluru.
11. Proactively participated in TEQIP- III sponsored Three Days National e-Seminar on "**Future Trends in Mechanical Engineering (NSFTME 2020)**" Organized by Department of Mechanical Engineering, Parala Maharaja Engineering College, Berhampur, Odisha, India from 7th to 9th September 2020.
12. Active participation in World's largest one week Hands-On Faculty Development Programme on "**Artificial Intelligence Using Python**" organized by the Department of Computer Science and Engineering, St Mary's Integrated Campus, Hyderabad, in association with Brainovision Solutions India Pvt.Ltd. and National Youth Council of India held from 14-19 September 2020.
13. Participated in Five Day Webinar Series on "**Innovations in Mechanical Engineering and Science**" from 24th to 30th November 2020 organised by MESA, Department of Mechanical Engineering, Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Chennai,Tamil Nadu, India.
14. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "**Teaching and Learning using MATLAB**" from 2020-11-24 to 2020-11-28 at GURU GHASIDAS VISHWAVIDYALAYA.
15. Participated in Five Day Webinar Series - 2 on "**Innovations in Mechanical Engineering and Science**" from 8th to 12th December 2020 organized by MESA, Department of Mechanical Engineering Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Chennai, Tamil Nadu, India.
16. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "**Design Thinking**" from 2020-12-7 to 2020-12-11 at Vidyalkar Institute of Technology
17. Participated in TEQIP III sponsored one-week FDP on "**Digital Manufacturing**" from 7th to 12th December 2020 organized by Punjab Engineering College, Department of Production and Industrial Engineering Chandigarh, India.
18. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "**Mechanical and Manufacturing Engineering**" from 2020-12-21 to 2020-12-25 at Vishwakarma Institute of Information Technology Pune.
19. Attended Two Week Faculty Development Programme (Phase-II), approved by AICTE on "**Renewable Energy Intervention in Industry, Commercial and Domestic Application**" organized by Department of Mechanical Engineering, Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal - 518 501, Andhra Pradesh during 14th December to 26th December 2020.
20. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "**CFD**" from 2021-1-4 to 2021-1-8 at L B S College of Engineering, Kasaragod.
21. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "**Gamification**" from 2021-1-18 to 2021-1-22 at Vishwakarma Institute of Technology.
22. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "**AI Application**" from 2021-2-22 to 2021-2-26 at Government Engineering College Bhuj.
23. Successfully completed and Qualified the Exam of One Week Workshop on "**Multi Criteria Decision making**" from 19 April 2021 to 23 April 2021 organized by REST Society for Research International (RSRI) Krishnagiri, Tamil Nadu, India.
24. Successfully completed and Qualified the Exam of One Week Workshop on "**Research Methodology**" from 26 April 2021 to 30 April 2021 organized by REST Society for Research International (RSRI) Krishnagiri, Tamil Nadu, India.
25. Participated in a Certified Workshop for "**Cogmed/Career Assessments and Psychological Workshop for Schools and Institutions**" organized by EDUKOS Unite of Scholars (EUS) on 3rd of June 2021.
26. Actively participated in three day Online faculty development program on "**Technological Advancements in Naval, Defence and Space Applications: An Integrated Industry 5.0 Approach**" organized by Department of Mechanical

- Engineering, N.S.Raju Institute of Technology (NSRIT), Visakhapatnam, A.P, India, from 8-10, July 2021.
27. Actively participated and successfully completed in a 5 Days Faculty Development Program on “**Additive Manufacturing Processes and its Applications**” organized by the department of mechanical engineering, Sri Manakula Vinayagar Engineering College, Puducherry from 23rd to 28th August 2021.
 28. Actively participated one day workshop on “**Machine Learning Metamodels in Design Engineering**” held on September 11th, 2021, organized by Department of Mechanical Engineering, Veltech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai, in association with Institute of Engineering and Technology (IET)
 29. Actively participated in an international workshop/FDP on “**Research Paper Writing**” held from September 16-22 September 2021, organized by Excellence Brings Success (EBS), New Delhi, India
 30. Successfully completed and Qualified the Exam of One Week Workshop on “**Recent Trends in Research Article Writing**” from 27 September 2021 to 01 October 2021 organized by REST Society for Research International (RSRI) Krishnagiri, Tamil Nadu, India.
 31. Participated in one week International Faculty Development Program entitled “**Digital Citizenship for New Age Teachers**” Organized by the Department of MBA, Sri Ramakrishna College of Arts and Science from 4th October 2021-8th October 2021
 32. Participated in Two Weeks National Level Faculty Development Programme on “**Advanced Materials and Manufacturing Technology**” organized by Department of Automobile Engineering from 27.09.2021 to 08.10.2021
 33. Participated in the Two Days’ Workshop on “**Additive Manufacturing**” organized by Department of Mechanical Engineering, and Centre for Additive Manufacturing, Chennai Institute of Technology on 21st & 22nd October, 2021
 34. participated in the International Workshop on “**Writing Literature Review Article**”, organized by Manuscriptpedia, Kanyakumari, on 27th and 28th November, 2021 through online pedagogy.
 35. Participated in the international research workshop entitled “**Writing a Structured Review Paper: A Path Breaking Approach to Increase Citations**” held on 27th November, 2021 organized by CT Institute of Engineering, Management & Technology, Jalandhar, Punjab
 36. Participated in one Week Faculty Development Programme on “**Fabrication, Characterization and Strengthening Mechanism of Composites**” organized by Department of Mechanical Engineering, Academy of Maritime Education and Training (AMET), Chennai, India from 13 to 18 December 2021
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CAD/CAM Skills

CAD Packages:

- AutoCAD Release 14, 02, 04, 10 & 2019 under WIN environment (2D and 3D Solid Modeling)
- Mechanical Desktop
- Autodesk Inventor

CAM Packages:

- Pro E Wildfire 4.0 (Drafting, Modeling, Assembling and Manufacturing modules)
- Pro E – Mould (Mould Design Modules, Mould Assembly, Simulation modules)
- PTC-Creo
- Solidworks

CNC Machine tools :

- EMCO CNC Lathe Trainer
- DENFORD CNC Vertical 3-Axis Milling M/c

Computational Fluid Dynamics (CFD):

- Ansys-Workbench
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Webinars

1. Participated in the two days online workshop on '**Fuzzy Logic and Neural Network Approaches for Engineering Solutions**' organized by Journal of Advanced Engineering Research' and powered by hex cube India on 01st and 2nd May 2020.
2. Participated in the two days online workshop and hands-on training on 'Computer-Aided Engineering (CAE) Analysis using Hypermesh and DEFORM-3D' organized by Journal of Advanced Engineering Research and powered by hex cube India on 16th and 17th May 2020.
3. Participated in the technical webinar titled "Importance of Software Skills for Mechanical Engineers" and "Introduction Oil and Gas Wells Drilling" delivered by Mr Murali Sundar, Intel Corporation, USA and Mr.Ibrahim Mohammed Said Al Foori, Senior Wells Engineer, Petroleum Development Oman respectively on 22nd May 2020.
4. Participated in the webinar on "Awareness on Industry Safety during COVID-19" on 23rd May 2020 organized by the department of mechanical engineering, S.A.Engineering College (Autonomous), Chennai, India
5. Participated in the webinar titled "Computer Vision for AI Applications" presented by Mr J. Joshan Athanesious, Vision Engineer, Smart Ant Technologies, Chennai held on 26th May 2020.
6. Participated in the webinar on "Overview of Design and Development of Automotive Products" presented by Mr.M.D.Dinakaran, staff engineer, R&D department, Illumina Singapore Pte Ltd. Organized by department of mechanical engineering of RMK college of engineering and technology in association with ISTE chapter on 28th May 2020.
7. Participated in the webinar on "Insight to Industry 4.0" on 29th May 2020 organized by the department of mechanical engineering, S.A.Engineering College (Autonomous), Chennai, India
8. Participated in the webinar on "Industry 4.0 and Augmented Reality" organized by MECON association and K.Ramakrishnan College of Technology (SAEKRCT) collegiate club on 29th May 2020.
9. Participated in the international webinar on "Intelligent Control System" presented by Dr.S.Albert Alexander, UGC Raman Research Fellow. Organized by the Department of Electrical and Electronics Engineering, New Horizon College of Engineering, Bangalore, In association with IEEE NHCE student branch on 29th May 2020.
10. Participated in the technical webinar titled "Insights into Surface Roughness Measurements" delivered by Mr Sridhar Narasimhan, TESA Technology, in association with Institute of Engineers (India), Kattankulathur local centre held on 29th May 2020.
11. Attended webinar on the topic 'Knowledge Sharing on A-Z of Journal Publications (Survey to Citations!!)' organized by Institute for Engineering Research and Publication (IFERP) on 30th May 2020.
12. Participated in Online Webinar on 'Joining of Tubes Using Solid-State Welding' on June 03, 2020, organized by Indian Welding Society (IWS) forum in connection with the department of mechanical engineering, Coimbatore Institute of Engineering and Technology, Coimbatore, Tamil Nadu.
13. Participated in the technical webinar on "Emerging Trends in Nanomaterials for Microvawe, Integrated Electronics and Cancer Application" organized by the department of basic sciences and humanities, GMR Institute of Technology, Rajam, Andhra Pradesh on June 4th 2020.
14. Attended webinar on the topic 'Virtual Interactive Classroom for Teachers and the Challenging Technologies in Post Covid-19 Era' organized by Institute for Engineering Research and Publication (IFERP) on 05th June 2020.
15. Participated in the technical webinar on "Hydrogen Fuel Cell Electric Vehicles" organized by the department of automobile engineering on 10th June 2020.
16. Participated in the webinar titled "BlockChain Technology and its Application" presented by Mr.Maxraj Jeyaraj, Head, Cybersecurity, Smart buildings department, Siemens technology and services Pvt.Ltd, Chennai on 11th June 2020.
17. Attended webinar on the topic "Research Article Writing and Publishing in Good Impact Journal" organized by Institute for Engineering Research and Publication (IFERP) on 13th June 2020.
18. Attended webinar on the topic "AI Getting used in Impact of Covid-19" organized by Institute for Engineering Research and Publication (IFERP) on 14th June 2020.
19. Attended Leadership webinar series education for Gen Z on the topic "Life from the Prism of Literature" organized by Manipal University, Jaipur on 20th June 2020.
20. Participated and successfully completed "International Yoga day E-Quiz (YOGIS 2020)" organized by YOGA CLUB of Stella Mary's College of Engineering, Kanyakumari, India on 21st June 2020.
21. Participated in the webinar on "21st-century opportunities challenges and pathways to Industry 4.0" organized by Indian Welding Society (IWS) on 16th July 2020.
22. Participated in the webinar on "Experience the simulation of electrical vehicles" organized by Kumaraguru Centre for Industrial Research and Innovation (KC.IRI) and Department of Automobile Engineering, Kumaraguru College of Technology on 22nd July 2020.
23. Took part in the proceedings of the first session "Tips for writing journal Articles (Abstract, Introduction, Methods, Results, Discussion, Acknowledgements and literature cited)" of the five days webinar series on "

- Research Article Writing and Publications- Advanced concepts” organized by Institute for Engineering Research and Publication (IFERP) from 1st August 2020 to 5th August 2020.
24. Took part in the proceedings of the second session “Writing a Successful Conference Abstract: Practical Tips to Getting Your Abstract Accepted ” of the five days webinar series on “ Research Article Writing and Publications- Advanced concepts” organized by Institute for Engineering Research and Publication (IFERP) from 1st August 2020 to 5th August 2020.
 25. Took part in the proceedings of the third session “Difference Between Research Paper, Review Paper, Survey Paper and Case Study” of the five days webinar series on “ Research Article Writing and Publications- Advanced concepts” organized by Institute for Engineering Research and Publication (IFERP) from 1st August 2020 to 5th August 2020.
 26. Took part in the proceedings of the fourth session “From Draft to Article: The process of Publishing in an Academic Journal” of the five days webinar series on “ Research Article Writing and Publications- Advanced concepts” organized by Institute for Engineering Research and Publication (IFERP) from 1st August 2020 to 5th August 2020.
 27. Took part in the proceedings of the fifth session “Grant Hunting for Academic Research” of the five days webinar series on “ Research Article Writing and Publications- Advanced concepts” organized by Institute for Engineering Research and Publication (IFERP) from 1st August 2020 to 5th August 2020.
 28. Took part in the proceedings of the entire five-day webinar series on “Research Article Writing and Publications- Advanced concepts” organized by Institute for Engineering Research and Publication (IFERP) from 1st August 2020 to 5th August 2020.
 29. Actively participated in the expert webinar series on “Fundamentals of Refrigeration and Air Conditioning Systems” conducted on 06th August 2020 by the Department of Mechanical Engineering, Rajalakshmi Engineering College (Autonomous), Thandalam, Chennai - 602 105.
 30. Actively participated in the Webinar Programme on “Modeling of Smart Electrical Distribution System using Open DSS”, conducted by Department of Electrical and Electronics Engineering, SJBIT, Bengaluru on 14-08-2020.
 31. Took part in the proceedings of the first session “Introduction: Registration Tips for Finding PhD Research Topics and Proposal Writing” of the seven days webinar series on “PhD End to End Assistance and Guidance” organized by Institute for Engineering Research and Publication (IFERP) from 14th August 2020 to 20th August 2020.
 32. Took part in the proceedings of the second session “Transitioning from Coursework to Doctoral Capstone Writing” of the seven days webinar series on “PhD End to End Assistance and Guidance” organized by Institute for Engineering Research and Publication (IFERP) from 14th August 2020 to 20th August 2020.
 33. Took part in the proceedings of the webinar on the topic “Cyber Virus that took his path with Coronavirus- A disaster journey of Malicious Malware in the ASEAN Countries” organized by Institute for Engineering Research and Publication (IFERP) on 15th August 2020.
 34. Proactively participated in the One day webinar on “Advancement in Polymer nanocomposites” (APNC 2020) Organized by Department of Mechanical Engineering, Parala Maharaja Engineering College Berhampur Odisha, India on 17th August 2020.
 35. Took part in the proceedings of the third session “Creating a Structure for your Literature Review and Incorporating Previous Research” of the seven days webinar series on “PhD End to End Assistance and Guidance” organized by Institute for Engineering Research and Publication (IFERP) from 14th August 2020 to 20th August 2020.
 36. Took part in the proceedings of the fourth session “Problem Identification, Designing and Implementing your Quantitative Research and Qualitative Data Analysis ” of the seven days webinar series on “ PhD End to End Assistance and Guidance” organized by Institute for Engineering Research and Publication (IFERP) from 14th August 2020 to 20th August 2020.
 37. Took part in the proceedings of the fifth session “How to write your PhD Thesis: An introduction to the fundamentals including Editing and Proof Reading ” of the seven days webinar series on “ PhD End to End Assistance and Guidance” organized by Institute for Engineering Research and Publication (IFERP) from 14th August 2020 to 20th August 2020.
 38. Took part in the proceedings of the sixth session “How to identify and defend your research methods and methodologies and major changes in the Viva and ho to address these ” of the seven days webinar series on “ PhD End to End Assistance and Guidance” organized by Institute for Engineering Research and Publication (IFERP) from 14th August 2020 to 20th August 2020.
 39. Took part in the proceedings of the seventh session “PhD in India- Statistics and Prospective” of the seven days webinar series on “PhD End to End Assistance and Guidance” organized by Institute for Engineering Research and Publication (IFERP) from 14th August 2020 to 20th August 2020.

40. Took part in the proceedings of the entire seven-day webinar series on “PhD End to End Assistance and Guidance” organized by Institute for Engineering Research and Publication (IFERP) from 14th August 2020 to 20th August 2020.
41. Proactively participated in TEQIP-III sponsored National Webinar on “Gender Equality in Education (GEE-2020)” Organized by ICC Cell, Parala Maharaja Engineering College, Berhampur, Odisha, India on 2nd September 2020.
42. Actively participated in the Webinar Programme entitled on “Manufacturing and Testing of Light Weight Materials”, on 16th August 2020, Sunday, organized by the Department of Mechanical Engineering, EASA College of Engineering and Technology, Coimbatore, Tamilnadu, India.
43. Actively participated in the live Webinar entitled on “Opportunities and Challenges of Virtual Lab and Simulation”, on 30th August 2020, jointly organized by the Department of Chemistry, S.S. College and Association of Chemistry Teacher, UP, India.
44. Actively participated in an online webinar on “Innovative Materials for Automobile Applications” held on 5th September 2020 organized by Department of Mechanical Engineering, Kuppam Engineering College, Kuppam.
45. Actively attended the webinar on the topic “Latest Trends in Nanotechnology” organized by the Institute for Engineering Research and Publication (IFERP) on 10th September 2020.
46. Actively attended the webinar on the topic “Technology-Based Teaching in Class Room” organized by the Institute for Engineering Research and Publication (IFERP) on 10th September 2020.
47. Actively attended the webinar on the topic “*Recent Advances in Civil Engineering*” organized by the Institute for Engineering Research and Publication (IFERP) on 11th September 2020.
48. Actively attended the webinar on the topic “*Scope, Opportunities and Challenges for E-Vehicle in India*” organized by the Institute for Engineering Research and Publication (IFERP) on 12th September 2020.
49. Actively attended the webinar on the topic “*National Education Policy*” organized by the Institute for Engineering Research and Publication (IFERP) on 13th September 2020.
50. Actively attended the webinar on the topic “*Modelling of Biomedical Applications using Neural Networks in International Short Term Training Program held in India*” organized by the Institute for Engineering Research and Publication (IFERP) on 16th September 2020.
51. Actively attended the webinar on the topic “*Personality Development and Winning Attitude*” organized by the Institute for Engineering Research and Publication (IFERP) on 18th September 2020.
52. Actively attended the webinar on the topic “*Cognitive Radio Wireless Sensor Networks- Applications and Challenges*” organized by the Institute for Engineering Research and Publication (IFERP) on 19th September 2020.
53. Actively attended the webinar on the topic “*Biology in Concrete*” organized by the Institute for Engineering Research and Publication (IFERP) on 20th September 2020.
54. Actively attended the webinar on the topic “*Composite Materials-Metal Matrix Composite*” organized by the Institute for Engineering Research and Publication (IFERP) on 26th September 2020.
55. Actively attended the webinar on the topic “*Learning Path to Data Science*” organized by the Institute for Engineering Research and Publication (IFERP) on 26th September 2020.
56. Actively attended the webinar on the topic “*Optical Wireless Communication Challenges and Opportunities*” organized by the Institute for Engineering Research and Publication (IFERP) on 03rd October 2020.
57. Actively attended the webinar on the topic “*Computing and Signal Processing in IOT Applications*” organized by the Institute for Engineering Research and Publication (IFERP) on 9th October 2020.
58. Actively attended the webinar on the topic “*Artificial Intelligence and Machine Learning Using Python*” organized by the Institute for Engineering Research and Publication (IFERP) on 10th October 2020.
59. Actively attended the webinar on the topic “*General Awareness to the Educators and Institutions- Insights of National Education Policy-2020*” organized by the Institute for Engineering Research and Publication (IFERP) on 13th October 2020.
60. Participated in the webinar on “*Mental Health of Teachers and Students during the COVID-19 Pandemic*” held on 29th October 2020 from 4 PM to 6 PM organized by department of empowerment of person with disabilities (DEPWD), Ministry of social justice and empowerment, Government of India
61. Successfully completed two days state level webinar on “*Innovation in Robotics and Automation and its Application*” Sponsored by GUJCOST and organized by Mechanical Engineering Department at Gandhinagar Institute of Technology on 4-5 December 2020
62. Successfully Passed in the National Level Online Technical Quiz of “Mechanical Engineering” *Being Organized by Department of Mechanical Engineering, Nadimpalli Satyanarayana Raju Institute Of Technology(Autonomous)* ,Sontyam, Anandapuram, Visakhapatnam, Andhra Pradesh, India, Conducted on 29-12-2020 and Secured A Score Of 92%

63. Participated in the webinar on “*IOT Applications in Automobiles and Manufacturing Industries*” conducted by Karpaga Vinayaga College of Engineering and Technology on 30th December 2020.
64. Attended Webinar on “*Recent and Research Trends in Heat Exchangers*” presented by Dr.M.Sridharan, Independent Researcher and Consultant, Thanjavur, organized by Kongunadu College of Engineering and Technology on 15th February 2021.
65. Successfully Passed in the National Level Online Technical Quiz of “*Mechanical Engineering*” *Being Organized by Department of Mechanical Engineering, Nadimpalli Satyanarayana Raju Institute Of Technology(Autonomous)* ,Sontyam, Anandapuram, Visakhapatnam, Andhra Pradesh, India, Conducted on 22-2-2021 and Secured A Score Of 88%.
66. Participated in the National Webinar on “*Design of Passive Vibration Control Devices*” held on 06th March 2021, by Department of Mechanical Engineering of Gandhi Academy of Technology and Engineering.
67. Attended "*Special Public Lectures by Nobel Laureates*" Prof.William D.Phillips and Prof.David J.Wineland on the eve of the twelfth foundation day of IIT Indore on February 17th and 23rd, 2021.
68. Participated in International Webinar on “*Friction Stir Welding (FSW-2021)*” held on 24 th April, 2021 (8 hours duration) organized by the SIMMAS, Chennai and Indian Welding Society (IWS) Annamalainagar
69. Participated in The International Symposium on “*Challenges in Fourth Industrial Revolution (4IR)*” Organized by the Department of Mechanical and Industrial Engineering, National University of Science and Technology, Sultanate of Oman on 28th April 2021.
70. Participated in the IEI Technical Webinar on the theme “*Developments in Gas Tungsten Arc Welding (GTAW) with reference to Wire Arc Additive Manufacturing (WAAM)*”organized by The Institution of Engineers (India) under the aegis of Production Engineering Division on 19/05/2021.
71. Participated in the IEI Technical Webinar on the theme “*Exploration, Upgradation and Extraction of Lithium from Rocks, Tailings and Used Batteries*” organized by Odisha State Centre of The Institution of Engineers (India) under the aegis of Chemical Engineering Division on 05/08/2021 from 16:00 hr to 18:00 hr.
72. Actively participated at the International Webinar, entitled: “*Designing Online Learning Activities During Covid-19 Pandemic*” held on September 18th, 2021, organized by SD Swasta Santo Antonius Medan, Indonesia.
73. Attended webinar on "*First International Conference on Agriculture, Science, Engineering & Management (ICASEM - 2021)* " organized By Sanskriti University, Mathura, UP, India and RSP Research Hub on 23rd & 24th October 2021, Mathura, UP, India.
74. Attended webinar on "*First International Conference on Emerging trends on Commerce, Science, Engineering, Management and Technology (ICCSEMT - 2021)*" organized By Kishori Raman Post Graduate College, Mathura, UP, India and RSP Research Hub on 13rd & 14th November 2021, Mathura, UP, India.
75. Participated In the Online Seminar on a Topic Titled “*Writing High Impact Journal Papers*” on 14th December 2021organized by the Department of Mechanical and Manufacturing Engineering, University Putra Malaysia.

Current contributions to the department/organisation

- As Department IV Coordinator (2015-2020), I have conducted more than **100 Industrial visits** /Guest Lectures to the students of MIE Dept to interrelate on a consistent basis with Industries by way of visiting many distinguished companies in and around Muscat to gain them industrial exposure, thus preparing them for the real-life corporate world. And also invited prominent personalities from various industries and top institutions to share their valuable information and knowledge from their experience with our students.

Reviewer for Technical Articles Published in JOURNALS

1. Served as a peer reviewer for a journal article titled “*Technical Sciences Optimization of Wire EDM Process Parameters on Al6061/Al2O3 Composite and its Surface Integrity Studies*” submitted to *Bulletin of the Polish Academy of Sciences*
2. Served as a peer reviewer for a Research Grant proposal titled “*Utilizing Artificial Intelligence Techniques to Predict the Deformation Behavior of Alloys in Oscillation Test*” submitted to *The Research Council (TRC) 2020 Block fund*
3. Served as a peer reviewer for a journal article entitled "*Fabrication of Phase Change Material Assisted Solar Water Heater and to Study the Influence of Nanofiller*" for *International Journal of Ambient Energy, Taylor & Francis*, dated June 2019.

4. Served as a peer reviewer for a journal article entitled "Investigation of Momordica charantia Seed Biodiesel with Cerium Oxide Nano Particle on CI Engine" for *International Journal of Ambient Energy, Taylor & Francis*, dated April 2019.
5. Served as a peer reviewer for a journal article entitled "Studies on the Influence of Nanofillers in a phase Change Material Assisted Solar Water Heater" for *International Journal of Ambient Energy, Taylor & Francis*, dated Dec 2018.
6. Certified Peer Reviewer for the *International Journal of Mechanical Engineering* Institute of Scholars 2021 as ISO 9001:2015 Certified and Accredited by UASL
7. Certified Peer Reviewer for the *International Journal of Metalcasting* Impact factor 1.805 (2020) , Springer Journal ISSN:1939-5981
8. Certified Peer Reviewer for the *Material Science Research India (MSRI)* peer reviewed open access international journal, devoted to experimental and theoretical research into the synthesis, structure, properties and applications of materials.ISSN : 0973-3469, Online ISSN: 2394-0565
9. Served as a peer reviewer for a journal article titled "Conductive polymers: evaluation of the electrical conductive properties of geopolymer matrices loaded with carbon black and polyaniline" submitted to 2021 *International Symposium on Science and Technology Research (SSTR)*
10. Served as a peer reviewer for a journal article entitled "Development of Co-Extruded Al-Ti Bimetal Composite with Improved Interfacial Bonding, Mechanical and Tribological Properties" for *The Journal Materials and Technology*- ISSN 1580-2949, published by Thomson Reuters dated 01st December 2021.
11. Served as a peer reviewer for a journal article entitled "Study of Noise Annoyance and Vibration of Constructural Designed Window Air Conditioner: Noise analysis of window air conditioner" for *The Walailak Journal of Science and Technology (WJST)* - E-ISSN 2228-835X, SCOPUS indexed dated 29th December 2021.

Editorial Board

1. Editorial Board member of Journal of "*Modern Mechanical Engineering and Technology (JMMET)*"
2. Certified review board member of journal "*IJERT (International Journal of Engineering Research and Technology)*" ISSN: 2278-0181
3. Editorial Board member of Journal of "*European Journal of Engineering and Technology Research (EJ-ENG)*"ISSN: 2736-576X
4. Certified Editorial Board member of "*International Journal for Research in Applied Science and Engineering Technology (IJRASET)*"

RECOGNITION AND AWARDS

1. Edukos Unite Scholars- Global Achiever Awards 2021 "*Young Researcher Award -2021*" award is presented to Dr.Pradeep Kumar Krishnan on 6th February 2021 to bring forth the new talents in the field of Mechanical Engineering.
2. "*Most-Promising Scientist Award -2021*" In Production of Metal Matrix Composites(MMC's) by the International Society of Scientific Network.
3. Most prestigious International "*Young Researcher Award 2020-21*" instituted by the International Institute of organized Research, registered with the Ministry of Micro, Small and Medium Enterprises(MSME), Government of India.
4. Institute of Scholars 2021 registered with the Ministry of Micro,Small and Medium Enterprises (MSME), Government of India "*Young Researcher Award 2021*" awarded to Dr.Pradeep kumar Krishnan for the scientific research on the Production of aluminum alloy-based metal matrix composites
5. AKS Education Awards "*Global Faculty Award 2020*" award is presented to Dr.Pradeep Kumar Krishnan on 4th April 2021.
6. Received "*Award of Excellence in Research*" Novel Research Academy Puduchery, India, A Division of New Swertia Publications.
7. Awarded with "*BEST E-Lecture Award 2021*" on 28th April 2021 in BEST E-Lecture Award Ceremony organized by the REST Society for Research International at REST Labs, Kaveripattinam, Krishnagiri, Tamil Nadu, India.

8. EUS - Sledding 2021 "*Life time achievement Award- 2021*" is presented to Dr.Pradeep Kumar Krishnan on 13th June 2021 for influencing people by sharing knowledge of different fields throughout their life
9. Global Edu-Conclave 2021 "*Global Young Scientist Award-2021*" instituted by Western Sydney University on 27th June 2021
10. Awarded as one of the "*100 Eminent Academicians of 2021*" by International Institute of Organized Research, India for his remarkable contribution in the field of Academics
11. Awarded as "*Young Personality of the Year Award*" (Below 40 Years) (Overseas) at 3rd International Academic and Research Excellence Awards (IARE) 2021 - An initiative by GISR Foundation to honour and acknowledge extraordinary talents from all walks of life.
12. Awarded with "*BEST E Techno Teacher Award*" on 04th September 2021 in Dr.Sarvepalli Radhakrishnan International Award ceremony of honor - 2021 organized by Cosmos International Research University and EUS.
13. Awarded with "*Best Researcher Award 2021-22*" by the NRA, Govt of India, A Division of New Swertia Publications.
14. Awarded with "*National Elite Teachers Award 2021*" on the occasion of Teachers day (India) 5th September 2021, instituted by the International Institute of Research, registered with the Ministry of Micro, Small and Medium Enterprises(MSME), Government of India.
15. Awarded with '*Best Staff Research Presentation Award*' on the occasion of NU Annual Research Day conducted on 21st September 2021.
16. Trigger 2021 "*Life time achievement Award*" on 15th October 2021 in Dr.APJ Abdul Kalam International Award ceremony of honor - 2021 organized by Edukos Unite of Scholars.
17. Dr.APJ Abdul Kalam Education Excellence award 2021 "*Outstanding Professor of the year-2021*" organized by Educacio World and Ausons group on 15th October 2021.
18. Awarded with "*Outstanding Research Paper Award*" for the paper entitled "Production of aluminium alloy-based metal matrix composites using scrap aluminium alloy and waste materials: Influence on microstructure and mechanical properties published in the journal "Journal of Alloys and Compounds" with Impact Factor Value 5.316
19. Have won the "*Best Presenter Award*" faculty category for the paper entitled Sustainable Devarelopment and Characterization of Aluminium- Alumina Metal Matrix Composite in First International Conference on Green Economy for sustainable growth in Commerce, Science, Technology, Engineering & Management (ICGCSTEM - 2021) organized By NSM Degree College, Vile-Parle, Mumbai, India and RSP Conference Hub on 09th and 10th October 2021.
20. Have won the "*Best Presenter Award*" faculty category for the paper entitled Production of aluminium alloy-based metal matrix composites using scrap aluminium alloy and waste materials: Influence on microstructure and mechanical properties in First International Conference on Agriculture, Science, Engineering & Management (ICASEM - 2021) organized By Sanskriti University, Mathura, UP, India and RSP Research Hub on 23rd & 24th October 2021, Mathura, UP, India.
21. Have won the "*Best Presenter Award*" faculty category for the paper entitled Effect of Stirrer Blade Design on the Microstructure and Mechanical Properties of a Novel Aluminium Metal Matrix Composite in First International Conference on Emerging trends on Commerce, Science, Engineering, Management and Technology (ICCSEMT - 2021) organized By Kishori Raman Post Graduate College, Mathura, UP, India and RSP Research Hub on 13rd & 14th November 2021, Mathura, UP, India.
22. Have won the "*Best Young Researcher Award*" from Global Education and Corporate Leadership (GECL-2021) during 4th International Annual Summit on 18th December 2021.

Community Services

1. Participated in 17th Annual "*Walkathon*" in association with Oman Cancer Association to create Cancer Awareness 2021
 2. Certified member / Volunteer of the "*Oman Cancer Association (OCA)*" in good standing from 4th August 2021 with Membership Number 4432
 3. Member of National University of Science and Technology, College of Engineering "*Fire Warden Committee*"; 2015 to date
 4. A volunteer member and a newsletter editor of the "*Environmental Protection and Energy Conservation (EPEC)*" for Caledonian College of Engineering from 2014 - 2016
 5. Certified member / Volunteer of the "*Environment Society of Oman (ESO)*"
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Research Supervision / Student Project

Master's Degree Project Supervision

1. 2009- Design and Fabrication of Sensor-Based Automatic Wiper Blade Care System-Tafe College Seremban-Liverpool John Moore University (LJMU)
2. 2010- Design and Fabrication of Pneumatic Punching Machine with Automatic Paper Feeder -Tafe College Seremban-Liverpool John Moore University (LJMU)
3. 2010- Design and Development of Easy Aqua Life-Tafe College Seremban-Liverpool John Moore University (LJMU)
4. 2010- Design and Fabrication of Remote Controlled Mobile type Material Handling Equipment-Liverpool John Moore University (LJMU)

Bachelor's Degree Project Supervision

1. 2009- Design and Development of Hydrogen Fuel Cell-Tafe College Seremban, Malaysia
2. 2009- Design and Fabrication of Can Crush Machine-Tafe College Seremban , Malaysia
3. 2009- Design and Fabrication of Automatic sunshade and temperature control of the interior in an automobile system-Tafe College Seremban , Malaysia
4. 2009- Design and Fabrication of Automatic White Board Cleaner-Tafe College Seremban , Malaysia
5. 2009- Design and Fabrication of Remote Controlled Vacuum Cleaner-Tafe College Seremban , Malaysia
6. 2010- Design and Fabrication of Automatic grass trimmer with Remote Control and monitoring system-Tafe College Seremban, Malaysia
7. 2010- Design and Fabrication of Automatic Screw Jack-Tafe College Seremban, Malaysia
8. 2011- Capsulation of Refrigeration and Air Conditioning System-Nilai International University, Malaysia
9. 2013- The design and fabrication of JETTY robot- Nilai International University, Malaysia
10. 2013- The design and fabrication of an Automated Baby Rocker- Nilai International University, Malaysia
11. 2013- Power Generation Using Speed Breakers- Nilai International University, Malaysia
12. 2014- Study the causes of tripping steam generator with recommended solutions - Caledonian College of Engineering, Oman
13. 2015- Design and Fabrication of Multiple Adjustable Lug Wrench-Caledonian College of Engineering, Oman
14. 2015- Development of Chlorination system by using SCADA control for Alseeb Reservoir compound-Caledonian College of Engineering, Oman
15. 2015- Design and fabrication of Automatic water level controller-Caledonian College of Engineering, Oman
16. 2015- Study of Particle Distribution of Stir Casting Process using Computational Fluid Dynamics-Caledonian College of Engineering, Oman
17. 2015- Design and Fabrication of Hybrid Bicycle-Caledonian College of Engineering, Oman
18. 2015- Utilizing waste spent catalyst as reinforcement in the production of Metal Matrix Composites-Caledonian College of Engineering, Oman
19. 2015- Design & machining of mild steel stirrer for stir casting process-Caledonian College of Engineering, Oman
20. 2015- Flaring management and Reduction in Hydrocarbon industries (Oman LNG)-Caledonian College of Engineering, Oman
21. 2016- Inhibitory effect of green extracts on the corrosion protection of aluminum alloy-National University of Science and Technology(NUST), Oman
22. 2016- Transport for special people needs with new facilities-National University of Science and Technology(NUST), Oman
23. 2016- Fabrication and testing of Magnesium hybrid composites using squeeze-casting process National University of Science and Technology(NUST), Oman
24. 2016- Fabrication of Magnesium Metal Matrix Composite using different manufacturing techniques National University of Science and Technology(NUST) , Oman
25. 2016- Design and Fabrication of Gymnasium equipment for electrical energy generation National University of Science and Technology(NUST), Oman
26. 2017- Production of Metal Matrix Composites and Characterization of Defects using Non Destructive Testing Caledonian College of Engineering, Oman
27. 2017- Study of Activated Carbon using Watermelon peel to Adsorbed Heavy metals in Waste water Caledonian College of Engineering, Oman
28. 2017- Design and Fabrication of Mango Juice Extractor Machine Caledonian College of Engineering, Oman

29. 2017- Design and Fabrication of Solar Dates Dryer Caledonian College of Engineering, Oman
30. 2017- Design and Development of Vacuum Assisted Gas Remover in Stir Casting Furnace Caledonian College of Engineering, Oman
31. 2017- Design and Fabrication of Remote controlled Rescue Robot Using Bluetooth Technology Caledonian College of Engineering, Oman
32. 2018- Design a Safety program for School Bus Caledonian College of Engineering, Oman
33. 2018- Design and Fabrication of a Reminder Device for Important items " Never leave without it" Caledonian College of Engineering, Oman
34. 2018- Development of Safety Airbag and Actuated Car Door Caledonian College of Engineering, Oman
35. 2018- Design and Fabrication of Scissor Lifter System Caledonian College of Engineering, Oman
36. 2018- Design and Fabrication of Gas leakage Detector and Automatic Turning off valve of Gas Cylinder -Caledonian College of Engineering, Oman
37. 2019- Water removal and treatment from oil for agricultural usage -Caledonian College of Engineering, Oman
38. 2019- Extraction of aromatics from basil leaves by steam distillation -Caledonian College of Engineering, Oman
39. 2019- Optimization of stir casting process parameters for production of metal matrix composites -Caledonian College of Engineering, Oman
40. 2019- Recycling of used cooking oil to produce Glycerine and Biodiesel -Caledonian College of Engineering, Oman
41. 2020- Design & Development of Condensate Recovery Maximization Project for improving the efficiency of Gas Plant -Caledonian College of Engineering, Oman
42. 2020- Study of hydrogen sulphide removal from heavy crude oil -Caledonian College of Engineering, Oman
43. 2020- Removal of Corrosion and Passivation of Iron material using cooking agents as electrolyte -National University of Science and Technology, Oman
44. 2020- Investigation into the Influence of Fe particles on Mechanical properties of Al- Matrix Composite by stir squeeze casting method -National University of Science and Technology, Oman
45. 2020- Design and Development of Load Structures using Topology Optimization -National University of Science and Technology, Oman
46. 2020- Computational Analysis and Prediction of Fluid Flow Behaviour in Submersible Pump -National University of Science and Technology, Oman
47. 2020- Optimization of Cutting Parameters for Turning of Aluminium Alloy using Taguchi Statistical Method -National University of Science and Technology, Oman
48. 2021- Design and Development of an Electronic Sieving for Sand Separation using NodeMCU System -National University of Science and Technology, Oman
49. 2021- Design and Development of Electro- Hydraulic Excavator -National University of Science and Technology, Oman
50. 2021- Mechanical Properties and Microstructure of Scrap Aluminum Alloy Reinforced with Copper particulates composite metallic materials -National University of Science and Technology, Oman

Reference

- **Dr R.Thanigaivelan**

Professor & Head

Department of Mechanical Engineering

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Tamilnadu, India. - 637 408

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College of Engineering (CoE)

National University of Science and Technology

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Declaration

I pledge and pronounce that all the above information is true to the best of my knowledge.

Dr.Pradeep Kumar Krishnan