




DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

Opp. Art of Living, Udayapura, Kanakapura Road, Bangalore- 560082

DEPARTMENT OF MECHANICAL ENGINEERING

Accredited NBA, NAAC with A+, New Delhi

Faculty Name	Dr. Ravi Kumar B N	
Academic Designation	Assistant Professor	
Educational Qualification	BE, M. Tech, Ph.D.	
Experience in Years	10	
Area of Interest	Thermal Science, FSW	
Date of Birth	16-08-1987	
Email ID	ravikumar-me@dsatm.edu.in	

Educational Details

- Ph.D. - Ph.D. in Bangalore University, UVCE (2021).
- M.E – Thermal Science and Engineering, UVCE, Bangalore University (2012).
- B.E- Dr. Ambedkar Institute of Tech, VTU, Bangalore (2010).

Personal Details

- Date of Birth: 16/08/1987
- Hobbies: Reading books, pencil sketching
- Languages Known: English, Kannada and Hindi

Professional Experience

- Working as Assistant Professor in Dayananda Sagar Academy of Technology and Management at Bangalore from 23/01/2013 to till date
- Worked as an Assistant Professor in VVIT Bangalore from 2/02/2012 to 2/1/2013

Publications

International Journals:

- Journal of Emerging Technologies and Innovative Research “**Mechanical and Tribological Behavior of Al 6061 Hybrid Metal Matrix Composites**” Published In JETIR (www.JETIR.org) ISSN UGC Approved (Journal No: 63975) & 5.87 Impact Factor, Published in Volume 6 Issue 5, May-2019 | Date of Publication: 2019-05-07 <http://doi.one/10.1729/Journal.25625>.
- Journal of Emerging Technologies and Innovative Research “**Mechanical and Tribological Properties of Friction Stir Welding Aluminium Mmc Using Cylindrical Tapered Tool**” Published in JETIR (www.JETIR.org) ISSN UGC Approved (Journal No: 63975) & 5.87 Impact Factor Published in Volume 8 Issue 1, January-2021 | Date of Publication: 2021-01-07 <http://doi.one/10.1729/Journal.25438>.
- International Conference on Design, Materials & Manufacture (IcDeM 2018) January 29-31, 2018 @ NITK “**Studies on Mechanical Properties of Aluminium 6061 Reinforced with Titanium and E Glass Fibre Metal Matrix Hybrid Composites**” Volume 1943: Advances in Mechanical Design, Materials and Manufacture Proceedings of the First International

Conference on Design, Materials and Manufacture (ICDEM 2018). Number of Volumes: 1
ISBN: 9780735416383 <https://aip.scitation.org/doi/pdf/10.1063/1.5029701>

- International Conference on Design, Materials & Manufacture (IcDeM 2018) January 29-31, 2018 @ NITK “**Evaluation of Elastic properties and study on water absorption behavior of Alumina filled jute epoxy composites**” Volume 1943: Advances in Mechanical Design, Materials and Manufacture Proceedings of the First International Conference on Design, Materials and Manufacture (ICDEM 2018). Number of Volumes: 1 ISBN: 9780735416383 <https://aip.scitation.org/doi/pdf/10.1063/1.5029696>
- “**Investigation on Impact Strength and water Absorption Behavior of Alumina Filled Jute-Epoxy Composites**” International journal of Latest Technology in Engineering Management & Applied Science ISSN: 2278-2540.
- Accepted under AIP “**Review on Friction Stir Welding of Al 6061 MMC Using Cylindrical Tapered and Cylindrical Taper Threaded tool**”
- Accepted under AIP, International Conference on Advances in Mechanical Engineering Sciences & Management (ICAMESM-2020) “**Mechanical Properties of Friction Stir Welding Aluminium 6061 MMC Using Taper Threaded Tool**”
- Accepted under AIP, International Conference on Advances in Mechanical Engineering Sciences & Management (ICAMESM-2020) “**Mechanical Properties of Friction Stir Welding Aluminium 6061 MMC Using Cylindrical Tapered Tool**”

International Conferences:

- Virtual International Conference on “Advances in Mechanical Engineering Sciences & Management – 2020 (ICAMESM – 2020) held on 07th and 11th December 2020 at DSCE “**Mechanical Properties of Friction Stir Welding Aluminium 6061 MMC Using Taper Threaded Tool**”
- Virtual International Conference on “Advances in Mechanical Engineering Sciences & Management – 2020 (ICAMESM – 2020) held on 07th and 11th December 2020 at DSCE “**Mechanical Properties of Friction Stir Welding Aluminium 6061 MMC Using Cylindrical Tapered Tool**”
- First International Conference on Advanced Technologies in Intelligent Control, Environment, Computing And Communication Engineering held on 19th and 20th March 2019 at DSATM “**Fabrication And Study On Tribological And Mechanical Behavior Of Al 6061 Hybrid Metal Matrix Composites**”.
- International Conference on Advances in Materials, Ceramics and Engineering Sciences (AMCES-2020) Jan 17th and 18th at DSCE, Bengaluru “**Review on Friction Stir Welding of Al 6061 MMC using Cylindrical taper and Cylindrical taper threaded tool**”
- International Conference on Design, Materials & Manufacture (IcDeM 2018) January 29-31, 2018 Department Of Mechanical Engineering **National Institute Of Technology Karnataka, Surathkal** Mangalore Dk-575025, Karnataka State, India “**Studies on Mechanical Properties of Aluminium 6061 Reinforced with Titanium and E Glass Fibre Metal Matrix Hybrid Composites**”
- International Conference on Design, Materials & Manufacture (IcDeM 2018) January 29-31, 2018 Department Of Mechanical Engineering **National Institute Of Technology Karnataka, Surathkal** Mangalore Dk-575025, Karnataka State, India “**Evaluation Of Elastic Properties And Study On Water Absorption Behavior Of Alumina Filled Jute Epoxy Composites**”
- ICETIME-17 (26-27TH MAY Bengaluru) International Conference on Emerging Technological Innovations in Mechanical Engineering “**Study On Water Absorption Behavior And Impact Properties Of Alumina Filled Jute Epoxy Composite**”
“**Prediction Of Tool Force Using DOE And Design Of Turning Tool-Iisbn 978-93-846698-67-6**” International conference on emerging trends in science and technology for engineering systems

Conference Attended

International Conferences:

- Virtual International Conference on “Advances in Mechanical Engineering Sciences & Management – 2020 (ICAMESM – 2020) held on 07th and 11th December 2020 at DSCE “**Mechanical Properties of Friction Stir Welding Aluminium 6061 MMC Using Taper Threaded Tool**”
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- First International Conference on Advanced Technologies in Intelligent Control, Environment, Computing And Communication Engineering held on 19th and 20th March 2019 at DSATM “**Fabrication And Study On Tribological And Mechanical Behavior Of Al 6061 Hybrid Metal Matrix Composites**”.
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- “**Prediction Of Tool Force Using DOE And Design Of Turning Tool-Iisbn 978-93-846698-67-6**” International conference on emerging trends in science and technology for engineering systems

Seminar

- Webinar on “**Webinar on Flownex, Thermodynamic Design, Modelling, Simulation, Analysis and Optimization software**” on 13/06/2020, which was organized by India Soft Technologies (P) Ltd.
- AICTE Sponsored one-week QIP short term “**First Course in Computational Fluid Dynamics: Development, Application and Analysis (FCCFD-2018)**” conducted by IIT-Bombay during June 25-29, 2018.
- TEQUIP sponsored Short Term Course on “**Advances in Welding and Materials Processing**” Organized by the Department of Mechanical Engineering PSG College of Technology, Coimbatore from 18th to 20th of December 2017.

Professional Membership

Life Member in Tribology Society of India (LM#5897)

NPTEL Online certification

- Completed the course “**Concepts of Thermodynamics**” 12 weeks course (Jan-Apr 2019)
- Completed the course “**Fluid machines**” 8 weeks course (Aug-Oct 2019)
- Completed the course “**Fluid Mechanics**” 8 weeks course (Aug-Oct 2019)
- Completed the course “**Materials Characterization**” 12 weeks course (Jan- Apr 2020)
- Completed the course “**Strength of Materials**” 12 weeks course(Aug-Oct 2019)

Awards

- BEST PAPER AWARD, 07-12-2020, International Conference on “Advances in Mechanical Engineering Sciences & Management – 2020 (ICAMESM – 2020) held on 07th and 11th December 2020 at DSCE.

Academic Activity

- ERP Core committee member, College level coordinator.
- E-Governance Coordinator.
- Department level NAAC criteria 5 coordinator.
- Department level NBA criteria 4 coordinator.
- Heat transfer laboratory Incharge.
- Department level ERP Incharge.
- Department level MOOC'S Coordinator.

Faculty Development Activity/Workshops

- Five Day Faculty Development Program on “**Research Trends in Thermal Engineering (RTTE)-2020**” from 9th to 13th June 2020, which was organized by Department of Mechanical Engineering Ballari Institute of Technology and Management, Ballari.
- Five Day Faculty Development Program on “**Emerging Engineering Materials**” from 1st to 5th June 2020, which was organized by Department of Mechanical Engineering Ballari Institute of Technology and Management, Ballari
- “**NPTEL workshop**” conducted on 29th Nov-2019 by IIT Madras at Basaveshwar Engineering college, Bagalkot
- Five days Faculty development program on “**Recent innovations in Manufacturing and Welding Technology**” organized by Dept. of Mechanical Engineering, DSATM Bangalore. 28th June - 02nd July 2019.
- Five days Faculty development program on “**Augmented and virtual Reality Interfaces for 3D Printing**” organized by Dept. of Mechanical Engineering, DSATM Bangalore. 28th Jan – 01st Feb 2020.
- Five days faculty development program on “**Hydraulics, Pneumatics, Programmable Logic Controller and Industry 4.0**” 8th -12th September, 2018 Organized by Department of Mechanical Engineering & Rexroth Bosch Centre of Competence for Automation Technologies at DSU
- Two Day Faculty Enhancement Programme on “**Intellectual Property Rights**” 14th-15th Feb 2019 organized by Dept. of Mechanical Engineering, DSATM Bangalore.
- Five days faculty development programme on “**Research Opportunity on Materials and Manufacturing**” organized by Dept. of Mechanical Engineering, DSATM Bangalore. 16th Jan 20th Jan 2019.
- AICTE Sponsored one week QIP short term “**First Course in Computational Fluid Dynamics: Development, Application and Analysis (FCCFD-2018)**” conducted by IIT-Bombay during June 25-29, 2018.
- Two-day workshop on “**Flow Visualization using photographic technique in science and engineering applications**” organized by Department of Mechanical Engineering, UVCE, Bangalore, from 15th to 16th April 2015.
- Two-day workshop on “**Research Avenues in Mechanical Engineering**” organized by Department of Mechanical Engineering, UVCE, Bangalore held during 15th -16th May 2015.
- “**Teaching Methodology in turbomachines**” (26-27 Sept 2013) Sambhar Institute of technology Bangalore
- TEQIP - III sponsored one week FDP on “**An Overview on Teaching Techniques in Applied Thermodynamics**” 22- 26th Jan. 2018 VTU Center for PG Studies, Bengaluru Region, VIAT, Mudelahalli.

- TEQUIP sponsored Short Term Course on “**Advances in Welding and Materials Processing**” Organized by the Department of Mechanical Engineering PSG College of Technology, Coimbatore from 18th to 20th of December 2017.
- Four day FDP on “**Computer aided Design, Modelling and Analysis of Mechanical systems**” 8th -11th January, organized by Department of Mechanical Engineering, DSATM, Bangalore.
- “**Three day NBA workshop -2017**” 11th -13th December organized by, DSATM, Bangalore.
- Four day FDP on “**Computer aided Design, Modelling and Analysis of Mechanical systems**” 8th -11th January, organized by Department of Mechanical Engineering, DSATM, Bangalore.
- “**Three-day NBA workshop -2017**” 11th -13th December organized by, DSATM, Bangalore.
- Five days Virtual FDP on “**Role of Light Weight Material Design & Processing for Aerospace & Spacecraft Applications: A Novel Approach by Machine Learning & IOT Using Python Programming**” held from 27th July 2020 to 31st July 2020 at DSATM, Bangalore 560082.
- Five days Virtual FDP on “**Composite Materials and Its Characterizations**” held from 22nd to 26th June, 2020 by Acharya Institute of Technology. Bangalore 560107.
- Five days Virtual FDP on “**Advances and Research in Mechanical Engineering**” held from 20th to 24 July 2020 organized by KSIT, Bangalore 560109.
- Two Days Webinar on “**Research: New Avenues for Budding Researchers**” Held on 1st and 2nd August 2020 organised by UVCE, Bangalore University.
- Five days Virtual FDP on “**Emerging Engineering Materials**” held from 01st to 5th June 2020 organized by Ballari Institute of Technology and Management.
- One week FDP on “**Research Proposal Writing and Opportunities in the field of Science, Engineering and Management**” held from 06th July to 11th July 2020, organised by R&D Center-BIT, Bangalore – 560004.
Five days Virtual FDP on “**Research Trends in Thermal Engineering**” held from 09th to 13th June 2020 organized by Ballari Institute of Technology and Management.

Contact Details

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