

Dr.MOHAMMED NAVEED B.E., M.Tech., Ph.D

Assistant Professor.

Department of Mechanical Engineering
Ghousia Institute of Technology for Women
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EDUCATIONAL DETAILS :

| QUALIFICATION | COLLEGE/UNIVERSITY | CLASS/ DIVISION | YEAR |
|--|--|------------------------------|------|
| PhD –Mechanical Engineering | Ghousia College of Engineering, Ramanagaram/ VTU, Belgaum | -- | 2017 |
| M.Tech., (Manufacturing Science & Engg.) | Ghousia College of Engineering, Ramanagaram/ VTU, Belgaum | First Class with Distinction | 2010 |
| B.E. (Mechanical Engg.) | Dr.Ambedkar Institute of Technology, Bangalore/ VTU, Belgaum | First Class with Distinction | 2007 |

EXPERIENCE:

| Position Held | Institution | From | To |
|---------------------|--|------------|------------|
| Lecturer | Ghousia College of Engineering, Ramanagaram 562159 | Aug-2010 | March-2011 |
| Assistant Professor | Ghousia College of Engineering, Ramanagaram 562159 | April-2011 | Sept-2023 |
| Assistant Professor | Ghousia Institute of Technology for Women, Bengaluru | Oct-2023 | Till Date |

No. of M.Tech Projects guided : 09

No. of B.E Projects guided : 63

MEMBERSHIP IN PROFESSIONAL ORGANIZATION

- Member for Institution of Engineers (India)
- Life Member, Al-Ameen Educational Society, Bangalore.

TRAINING PROGRAMMES/ SEMINARS/ CONFERENCES CONDUCTED/ATTENDED:

- Coordinated “ **Live Webinar on Integrity as a Value**” for the first year students of B.E. The lecture was delivered by Dr. Gururaj Karajagi, chairman, academy for creative teaching, Bangalore and was presided by the hon'ble vice chancellor Prof. S Vidyashankar, VTU, Belagavi. this online lecture was scheduled on 22.05.2024 between 10.30 am to 12.00 noon
- Organized “**Seminar on Basic Research in Computer Science & Software Engineering**” on 25th may 2024. Dr. Saif Abrar, advisory system engineer IBM Bengaluru was the speaker. Importance of basic fundamentals of research in computer science was shared with the participants.
- Organized **First Student Technical Paper Presentation-GITW 2024** under Students Innovation Council-GITW Bengaluru on 10th june-2024 in the department seminar hall, GITW. About twelve technical papers were presented by the first year BE students.
- Participated in the “**NSDC CONNECT**” event hosted by Rooman Technologies in association with the National Skill Development Corporation (NSDC) held on 11th July at hotel Lalit Ashok in Bangalore. MoU between NSDC and VTU was signed to establish skill hubs in over 200 VTU-affiliated colleges, with course fees sponsored by NSDC under the PMKVY scheme.
- Invited by the Head of Government Boys High School and PU College, Ramanagaram, to deliver “Guest Lecture Talk on IC Engines” on 8th March 2021. Two sessions for 9th/10th standard students and I PUC/II PUC students were organised. Around 45 students participated.
- Attended online Webinar on “ Simulation of Machine Learning using Open- Source Tools”, organized by : The Institution of Engineers (India) , Rajasthan State Center, Jaipur on 13th March 2021 at 4:00 p.m.
- Attended online Webinar on “ Energy Conservation : Opportunities & Chalenges in Oil and Gas Industries”, organized by : The Institution of Engineers (India) , Tiruchirapalli Local Center, Tamil Nadu, on 18th March 2021 at 5:30 p.m to 7:30 p.m.
- Attended online Webinar on “ Artificial Intelligence and Data Science”, organized by :The Institution of Engineers (India) , Udaipur Local Center, Rajasthan, on 20th March 2021 at 6:00 p.m to 9:00 p.m.
- Attended online Webinar on “Intelligent Systems and Networking”, organized by :The Institution of Engineers (India) , Punjab and Chandigarh State Center, Rajasthan, on 30th March 2021 at 6:00 p.m to 8:00 p.m.
- Attended online Webinar on “Micro Manufacturing towards Digitization”, organized by :The Institution of Engineers (India) , Coimbatore Local Center, Tamilnadu, under the Aegis of Mechanical Engineering Division, on 20th April 2021 at 3:30 p.m to 5:30 p.m.

- Was invited as a Paper reviewer from the Managing Guest Editor of ELSEVIER Journal- Materials Today for reviewing research article on corrosion study.
- Attended online Webinar on “Development in Gas Tungsten Arc Welding (GTAW) with reference to Wire Arc Welding (WAAM)”, organized by :The Institution of Engineers (India), under the Aegis of Production Engineering Division, West Bengal on 19th May 2021 at 3:30 p.m to 6:00 p.m.
- Attending online Faculty Development Program in collaboration with CEMS on “Mechatronics and Industrial Automation”, organized by :Department of Mechanical, HKBK college of Engineering, Bangalore from 26th to 31st July 2021.
- Attended online Webinar on “ Intelligence Information Driven Project Management for Business Excellence”, organized by EDS Technologies, Bangalore on 13th August 2021 at 3:00 p.m to 4:00 p.m.
- Attended online Webinar on “ Electric Vehicles: The Future of Energy & Mobility for Sustainable Development”, organized by :The Institution of Engineers (India), Faridabad Local Center, under the Aegis of Electrical Engineering Division Board, Faridabad on 28th August 2021 at 4:00 p.m to 6:00 p.m.
- Attended online Webinar on “ Sustainability in Steel Industry ”, organized by :The Institution of Engineers (India), NSDF, Shimla Center, on 20th Sep- 2021 at 3:00 p.m to 5:00 p.m.
- Attended online Webinar on “ Materials and Manufacturing”, organized by :The Institution of Engineers (India), Meerut Local Center, under the Aegis of Mechanical Engineering Division Board, U.P., on 26th Sept 2021 at 11:00 a.m to 1:00 p.m.
- Co-Organised One week Online Faculty Development Program on “ Advanced Materials & Processing” by Department of Mechanical Engineering, Ghousia Colege of Engineering, Ramnagara ,from 8th June to 13th June 2020 .
- Participated in the Online Faculty Development program on: “NX Additive Manufacturing” organized by CADMAXX, in association with SIEMENS on 01-06-2020
- Participated in One day Workshop on “AICTE Model Curriculum under TEQIP-1.3” conducted by VTU, held at BNMIT, Bangalore on 9th May 2018.
- Participated and presented research article on “Dry Sliding Wear of Heat Treated Hybrid Metal Matrix Composites” in Three Days International Conference on Advances in Materials and Manufacturing Applications (IConAMMA-2016) 14th-16th July 2016, Amrita Vishva Vidyapeetham University, Bangalore campus, Karnataka, India.
- Participated in One Day National Conference On “Advances In Mechanical Engineering - AIM 2014”, organized by Department Of Mechanical Engineering, T. John Institute of Technology, Bangalore held on 25th April-2014.
- Participated in Four days VTU-VGST Faculty Development Program on “Solar Energy and Thermal Engineering”, organized by Department of Mechanical Engineering, Ghousia College of Engineering, Ramanagar, held from 19th to 22nd August 2013.
- Participated in Two days Workshop on “ Research Methodology and Latex” conducted by VTU E-Learning Center, Mysore, held on 4th and 5th February 2013, at Department of Mechanical Engineering, Bangalore Institute of Technology, Bangalore

- Participated in ADITECH-2011, a one day National Workshop on Advances in Tribo Technologies, held on 14th October 2011, at Department of Mechanical Engineering, Bangalore Institute of Technology, Bangalore.
- Participated in the Staff Development Programme on Emerging Trends in Energy Sources, held between 13th–24th June 2011, at Department of Mechanical Engineering, Ghousia College of Engineering, and Ramanagaram.
- International Conference on Advanced Materials, Manufacturing, Management and Thermal Sciences[AMMMT-2010] SIT, Tumkur, November 18th & 19th 2010
- National Conference on Advances in Mechanical Engineering [NAME-2010], JNNCE, Shimoga, November 12th -13th 2010
- National Conference on Mechanical Engineering Trends (COMET-2010) ,BITM, Bellary, February 19th -20th 2010

LEARNING RESOURCE MATERIALS DEVELOPED

Chapter's summary of Mechanical Vibrations, Tribology, Mechanics of Material, and Elements of Mechanical Engineering subjects, Project Management by GIT.

PUBLICATIONS IN JOURNALS AND CONFERENCES

Publications in International Journals

1. S S Saleem, Mohammed Naveed and Rajasheker K S “Effect of Ky on Tribological and Thermal Properties of Al7075 Alloy: A Comprehensive Study on Wear, Friction, Temperature, and Load Dependencies”. International Journal of Multidisciplinary Research & Reviews, Vol 03, No. 02, pp. 1-17, March 2024.
<https://doi.org/10.56815/IJMRR.V3I2.2024/1-17>
2. Mohammed Naveed, “Effect of Heat Treatment on Sliding Wear Resistance of Hybrid Aluminium Matrix Composite”, Recent Progress in Materials, International Peer Reviewed Journal, LIDSEN Publishing Inc, Ohio, USA, ISSN: 2689- 5846, Vol-5, Issue-2, April-2023.
<https://lidsen.com/journals/rpm/rpm-05-02-015>
3. Mohammed Naveed and Sameer Patel S B, “Effect of Graphite on Wear and Strength Properties of Hybrid Aluminium Matrix Composites”, International Journal of Scientific Development and Research (IJSDR), ISSN: 2455-2631, Vol-8, Issue-5, May-2023, pp 351-356.
<https://www.ijedr.org/papers/IJSDR2305054.pdf>
4. Nawaz Ahmed and Mohammed Naveed,” Development and Characterization of Al 7075-Nickel Coated Carbon Fiber Composites”, International Research Journal of Modernization in Engineering Technology and Science, ISSN: 2582- 5208, Volume-02, Issue-11, Nov-2020, pp320-325.
https://www.irjmets.com/uploadedfiles/paper/volume2/issue_11_november_2020/4757/1628083190.pdf
5. Ali Afzal and Mohammed Naveed ,” Fatigue behavior of heat treated aluminium matrix composites”, International journal of science and research, Vol-6, Feb-2017.
<https://www.ijer.net/getabstract.php?paperid=ART2017723>

6. Mohammed Naveed and A.R. Anwar Khan, "Dry Sliding Wear of Heat Treated Hybrid Metal Matrix Composites" IOP Conf. Series, SCOPUS Index: Materials Science and Engineering (MSE), Vol-149, Oct-2016.
https://www.researchgate.net/publication/309032857_Dry_sliding_wear_of_heat_treated_hybrid_metal_matrix_composites
7. Mohammed Naveed and A.R. Anwar Khan, "Ultimate Tensile Strength of Heat Treated Hybrid Metal Matrix Composites", International Journal of Science and Research, ISSN 2319-7064 vol-4, Issue 9, Sept-2015 pp.146-151, New Delhi, India.
<https://www.ijsr.net/getabstract.php?paperid=SUB157944>
8. Mohammed Naveed and A.R. Anwar Khan, "Influence of Heat Treatment on Slurry Erosive Wear Resistance of Hybrid Metal Matrix Composites", International Journal of Advanced Materials Science ISSN 2231-1211 Volume 3, Number 2 (2012), pp. 127-136.
<https://www.ripublication.com/Volume/ijamsv3n2.htm>
9. Mohammed Naveed, A.R. Anwar Khan and Rajashekar, "Studies on Effect of Heat Treatment on Mechanical Properties of Hybrid Aluminum Matrix Composites", International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), ISSN 2319-8753 vol-2, Issue 11, Nov-2013 pp.6150-6157, IJIRSET, New Delhi, India.
https://www.ijirset.com/upload/2013/november/31_Studies.pdf

Publications in International Conference

10. Mohammed Naveed and A.R. Anwar Khan, "Dry Sliding Wear of Heat Treated Hybrid Metal Matrix Composites", Proc. of the International Conference on Advances in Materials and Manufacturing Applications (IConAMMA), 14th-16th July 2016, Amrita Vishva Vidyapeetham University, Bangalore campus, Karnataka, India
11. Mohammed Naveed, A.R. Anwar Khan and Abid Ummeir Khan, "Influence of Graphite Content on Ultimate Compressive Strength of Heat Treated Al6061 Matrix Composites", Proceedings of the 2nd International Conference on Current Trends in Engineering and Management [ICCTEM-2014] 17th – 19th July 2014, Vidyavardhaka College of Engineering, Mysore, Karnataka, India
12. Mohammed Naveed, A R Anwar Khan Madhoo G S and Vinuta S, "Dry Sliding Wear Behavior of Heat Treated Hybrid Aluminium Matrix Composites", Proceedings of the 2nd International Conference on Current Trends in Engineering and Management [ICCTEM-2014] 17 – 19, July 2014, Vidyavardhaka College of Engineering, Mysore, Karnataka, India
13. Mohammed Naveed and Mir Safiulla, "Optimization of the Geometry, Material and Heat Treatment of Steel Canister for Compressed-Air Bird-Specimen and Ice-Pellet Launcher", Proc. of International Conference on Advanced Materials, Manufacturing, Management and Thermal Sciences[AMMMT-2010] SIT, Tumkur, November 18th& 19th 2010

Publications in National Conference

14. Mohammed Naveed, A R Anwar Khan and Waqar Ahmed Khan, "Corrosion Characteristics of Hybrid Aluminium Metal Matrix Composites in Different Environments", Proc. of National Conference on Advances In Mechanical Engineering – NCAME-2015, Department Of Mechanical Engineering, K S School of Engineering and Management, Bangalore, 28th April-2015

15. Mohammed Naveed, A R Anwar Khan and Prashanth P, "Impact Strength of Heat Treated Aluminium Matrix Composites ", Proc. of National Conference on Advances In Mechanical Engineering – NCAME-2015, Department Of Mechanical Engineering, K S School of Engineering and Management, Bangalore, 28th April-2015
16. Mohammed Naveed, A R Anwar Khan and Moinuddin S K, "Shear Strength of Heat Treated Aluminium Matrix Composites", Proc. of First National Conference on Advances In Mechanical Engineering - AIM 2014, Department of Mechanical Engineering, T. John Institute of Technology, Bangalore, 25th April-2014
17. Mohammed Naveed, A R Anwar Khan and Abid Ummeir Khan, "Effect of Heat Treatment on Ultimate Tensile Strength of Metal Matrix Composites", Proc. of First National Conference on Advances In Mechanical Engineering - AIM 2014, Department of Mechanical Engineering, T. John Institute of Technology, Bangalore, 25th April-2014
18. Mohammed Naveed, A R Anwar Khan, Ashim and Safvan "Slurry Erosive Wear Behavior of Al5083-Al₂O₃-Gr Hybrid Metal Matrix Composites", Proc. of National Conference on Advances and Challenges in Mechanical Engineering [ACME-2013] Erode Sengunthar Engineering College , Erode, Tamil Nadu , 26th April 2013
19. Mohammed Naveed, A R Anwar Khan, and Shanawaz Patel, "Influence of Heat Treatment on Slurry Erosive Wear Resistance of Hybrid Metal Matrix Composites", Proc. of National Conference on Emerging Trends in Mechanical Engineering [ETME-2012] Raja Rajeshwari College of Engineering, Bangalore, February 24th & 25th 2012
20. Mohammed Naveed, A R Anwar Khan and Mujahid Patel "Investigations on the Folding Nature of Heat Treated 202 Stainless Steel Canister for the Bird Launcher", Proc. of National Conference on Emerging Trends in Mechanical Engineering [ETME-2012] Raja Rajeshwari College of Engineering, Bangalore, February 24th & 25th 2012
21. Mohammed Naveed and Mir Safiulla, "Effect of Heat Treatment on Tribological Properties of Hybrid Metal Matrix Composites", Proc. of National Conference on Advances in Mechanical Engineering [NAME-2010] JNNCE, Shimoga, September 23rd & 24th 2010
22. Mohammed Naveed and Mir Safiulla, "Design/Fabrication of Slurry Wear Tester and Study of Erosive Wear of Metals/Alloys", Proc. of National Conference on Mechanical Engineering Trends (COMET-2010) ,BITM, Bellary, February 19th -20th 2010

AREAS OF INTEREST:

Design Engineering, Thermal Engineering and Manufacturing Engineering, Composite Materials.

HOBBIES: Reading, Collection of Technical Materials, Learning new things.

ADDITIONAL ASSIGNMENTS (COLLEGE / DEPARTMENT)

1. Coordinator for Students Innovation Council - GITW
2. Coordinator for Students Literary Council - GITW
3. Coordinator for Students Grievance Cell - GITW
4. Coordinator for Students Mentoring Council - GITW
5. Member IQAC for the Academic Year 2023-24
6. CIE Coordinator for the Academic Year 2023-24
7. Nodal Officer for NPTEL Local Chapter.
8. Nodal Officer for AISHE.
9. Coordinator for course file and personal file preparation.
10. Internal DCS for SEE university examination for odd semester 2023-24.

MAJOR ACHIEVEMENTS/AWARDS.

- Secured First Rank in M.Tech. (Manufacturing Science & Engineering) Degree University Examination held during July 2010.
- Awarded with Gold Medalist by the Governor of Karnataka on 10th Annual VTU Convocation held on 18th April 2011 at VTU Campus, Belgaum.
- Awarded with Meritorious Certificate by the Principal & Management of Ghousia College of Engineering for securing First Rank in M.Tech. (Manufacturing Science & Engineering) Degree University Examination held during July 2010.

DETAILS OF SEMINARS GUIDED FOR UG STUDENTS:

| Sl.No | Title of the Seminar Report | Student Name with USN | Academic Year |
|-------|---|-----------------------------------|---------------|
| 01. | Rubber Forming | Mohammed Usman Asad 1GC13ME069 | 2017-18 |
| 02. | Wind Energy | Hamza Ahmed Khan 1GC14ME024 | |
| 03. | Lubrication in Metal Forming | MD Zameer 1GC14ME047 | |
| 04. | Power Generation by Shock Absorber | MD Kashif Imtiyaz 1GC14ME044 | |
| 05. | Metal Forming in Manufacturing Process | Syeda Sameera 1GC16MSE03 | 2016-17 |
| 06. | Machining Characteristics of Electric Discharge Machining | Chandrasah C N 1GC16MSE01 | |
| 07. | Tilting Trains | Md Amir Azhar 1GC13ME052 | |
| 08. | Four Wheeler Steering System | Abdul Khalil 1GC13ME001 | |
| 09. | Plastic Welding | Abraar Ahmed 1GC13ME009 | 2014-15 |
| 10. | District Cooling Systems | WAQAR AHMED KHAN 1GC11ME123 | |
| 11. | Noise Reduction in IC Engines | SCHWEITZER A G 1GC11ME098 | |
| 12. | Clean Room Technologies for Controlled Environment | PRASHANTH P 1GC11ME085 | |
| 13. | Amphibian Vehicle | CHETAN P N 1GC11ME021 | |
| 14. | Fuel from Waste Plastic | MAHESH M 1GC11ME038 | |
| 15. | Electron Beam Melting | KIRAN C 1GC11ME034 | |
| 16. | Use of Composite Materials in Aerospace Structure. | ABHISHEK V G 1GC11ME006 | 2013-14 |
| 17. | Aluminium Matrix Composites | MOINUDDIN S K/1GC10ME062 | |
| 18. | Metal Matrix Composites | ABID UMMEIR KHAN/1GC09ME003 | |
| 19. | Composite Materials | ABDUL NUMAN/1GC10ME002 | |
| 20. | Emission From Cars-Past, Present & Future. | ABHISHEK B S/1GC10ME006 | |

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| 21 | Emission Control in IC Engines | RAKSHITH/1GC10ME089 | |
| 22 | The Making of Ceramics | RANJITH H P /1G10ME091 | |
| 23 | A Comparative Study on the Microstructure and Mechanical Properties of Al 6061-TiB ₂ composites. | WASIM AHMAD [1GC08ME115] | 2011-12 |
| 24 | Some Issues on Tailoring Possibilities For Mechanical properties of Particulate Reinforced Metal Matrix Composites. | ZAKEER UDDIN H.Z. [1GC08ME119] | |
| 25 | Evaluation of Mechanical Properties of Al6061,Flyash and E-Glass Fiber Reinforced Hybrid Metal Matrix Composites. | PRABHAT KUMAR RAUSHAN [1GC08ME069] | |
| 26 | Tribological Potential of Hybrid Composites Based on Zinc and Aluminum Alloys Reinforced With SiC and Graphite Particles | MADHOO G [1GC08ME036] | |
| 27 | Effect of Particulate Reinforcements on the Mechanical Properties of Al6061-WC And Al6061-Gr MMCs | DIVYA Y P [1GC08ME017] | |
| 28 | Study of Wear Properties of Al-SiC Composites. | VINUTHA S [1GC08ME113] | |

DETAILS OF PROJECTS GUIDED FOR UG STUDENTS:

| | | | |
|----|--|---|---------|
| 1 | Slurry Erosive Wear Behavior of AL5083-AL ₂ O ₃ -Gr Hybrid Metal Matrix Composites. | 1.MUHAMMAD ANISUL HAQUE HAIDER [1GC01ME031] 2. MUHAMMAD IMRAN [1GC05ME039] | 2010-11 |
| 2 | Optimization of the Geometry of Canister-Arrester and Heat Treatment of 202 Stainless Steel Canister. | 1. HEMALATHA K R [1GC07ME033] 2. SINDHUSHREE [1GC07ME080] 3. VINUTHA H P [1GC08ME412] | |
| 3 | Effect of Particulate Reinforcements on Mechanical Properties of Heat Treated Aluminium Metal Matrix Composites. | 1.WASIM AHMAD [1GC08ME115] 2. ZAKEER UDDIN H.Z.[1GC08ME119] 3.PRABHAT KUMAR RAUSHAN [1GC08ME069] 4. AFTAB MEHDI [1GC09ME400] | 2011-12 |
| 4 | Dry Sliding Wear Behavior of Heat Treated Aluminium Metal Matrix Composites. | 1. DIVYA Y P [1GC08ME017] 2. MADHOO G [1GC08ME036] 3. VINUTHA S [1GC08ME113] | |
| 5 | Effect of Heat Treatment on Ultimate Tensile Strength of Metal Matrix Composites | 1. FOULAD A K, [1GC09ME023] 2. IJAS BRAN [1GC09ME028] 3. MUHAMMAD SAMEER N M [1GC09ME063] 4. SADIQ VALIYA PARAMBTH [1GC09ME090] | 2012-13 |
| 6 | Impact And Shear Strength of Heat Treated Aluminium Matrix Composites | 1. ABDUL SHUIB SAYIS P[1GC09ME002] 2. MUFREES [1GC09ME060] 3. MUHAMMAD KUNHI V P [1GC09ME065] 4. SAFVAN V P [1GC09ME091] | |
| 7 | Influence of Graphite Content on Ultimate Compressive Strength of Heat Treated Al6061 Matrix Composites | 1. MUZAMIL PASHA [1GC08ME062] 2. AFEF K [1GC09ME006] 3. ASHIM [1GC09ME013] 4. FASEEH P P [1GC09ME022] | 2012-13 |
| 8 | Corrosion Characteristics of Hybrid Aluminium Metal Matrix Composites in Different Environments | 1. ABID UMMEIR KHAN /1GC09ME003 2. MOINUDDIN S K /1GC10ME062 | 2013-14 |
| 9 | Seven Wire Truck Bead in New Bead Winding Machine | 1. ABHISHEK B S/1GC10ME006 2. KIRA K/1GC10ME035 3. RAKSHITH M P/1GC10ME089 4. RANJITH H P/ 1GC10ME091 | |
| 10 | Corrosion Studies on Heat Treated Metal Matrix Composites | 1.WAQAR AHMED KHAN 1GC11ME123 2.SCHWEITZER A G 1GC11ME098 3.PRASHANTH P 1GC11ME085 | 2014-15 |
| 11 | Effect of Heat Treatment on Impact Strength of Aluminium Matrix Composites | 1.CHETAN P N 1GC11ME021 2.MAHESH M 1GC11ME038 3.KIRAN C 1GC11ME034 4.ABHISHEK V G 1GC11ME006 | |
| 12 | Effect Of Ice Quenching On Corrosion Resistance Of Metal Matrix Composites | 1. Ibne Masud Rahman (1GC12ME033) 2. Nazmul Hussain Mollah (1GC12ME079) 3.Sheikh Anowar Ul Hasan (1GC12ME103) 4.Elias Rahmatullah (1GC12ME125) | 2015-16 |
| 13 | Corrosive Wear Behavior Of Aluminium Matrix Composites | 1.Shabbar Hassan (1GC11ME100) 2.Farhan Bin Raheem (1GC10ME023) 3.Mohammed Haroon P A (1GC11ME059) | |
| 14 | Effect Of Heat Treatment On Dry Sliding Wear Of Aluminium Matrix Composites | 1.Amshumanth N (1GC12ME009) 2.Rakshith M L (1GC12ME085) | |

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| | | 3.Sumindra P Desai (1GC12ME113) 4.Varun Shekar M C (1GC12ME118) | |
| 15 | Ultimate Shear Strength of Ice Quenched Extruded Al6061-SiC Composites | AbdulKhalil/(1GC13ME001) AbrarAhmed/(1GC13ME009) Md Aaqib Javeed/(1GC13ME051) | 2016-17 |
| 16 | Effect of Heat Treatment on Ultimate Compressive Strength of Extruded Al6061-SiC Composites | Md Amir Azhar /(1GC13ME001) Shaikh Mohd Yusuf /(1GC13ME094) Sahil Sumra/(1GC13ME099) Md Aamir Uddin /(1GC11ME042) | |
| 17 | Corrosive Wear Resistance of Ice Quenched Extruded Al6061-SiC Composites | Hamza Ahmed Khan/ 1GC14ME024 MD Kashif Imtiyaz/ 1GC14ME044 Mohd Wahid/ 1GC14ME059 Nur Alam Choudhury/ 1GC14ME067 | 2017-18 |
| 18 | Corrosion Study of Extruded Al6061-SiC Composites | Mohammed Usman Asad/1GC13ME069 Chaudhary Wasim Wahab/1GC14ME014 MD Zameer/ 1GC14ME047 Syed Majid Ali/ 1GC14ME098 | |
| 19. | Power Generation Using Magnetic Levitation Vertical Axis Wind Turbine | Pavan Shekar H S-1GC15ME072 Puneeth R-1GC15ME076 Rahul C Shekar-1GC15ME079 Suhas Gowda-1GC15ME096 | 2018-19 |
| 20. | Floor Cleaning Robot | MOHD SANI-1GC16ME046 SYED ASRAR-1GC16ME079 WAHHAJ KHALID-1GC16ME092 WASEEM PASHA-1GC16ME093 | 2019-20 |

EXTERNAL R & D / MODROBS / OTHER PROJECTS SANCTIONED.
DETAILS OF EXTERNAL R&D PROJECTS SANCTIONED

| S.N | Title of the Project | Scheme of the Grants | Principal Investigator & Co-Investigator | Grant-In-Aid Sanctioned | Approved Duration | Financial Year |
|-----|--|---|--|-------------------------|-------------------|----------------|
| 01 | Optimization of the Geometry, Material and Heat Treatment of Steel Canister and Canister-Arrestor for Compressed Air Bird Specimen and Ice Pellet Launcher | Research Promotion Scheme (RPS), AICTE, New Delhi | Dr.Mir Safiulla & Dr.Mohammed Naveed | Rs.1515000/- | Two Years | 2011-12 |