

ಬಿಎಂಎಸ್ ತಾಂತ್ರಿಕ ಮತ್ತು ನಿರ್ವಹಣಾ ಮಹಾ ವಿದ್ಯಾಲಯ

BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Accredited by NAAC with 'A' Grade, 7UG/PG Programmes accredited by NBA, Ranked between 95-169 by NIRF during 2017-20, Platinum category Institutes as per AICTE-CII Survey

FEB-2021 TO JUL-2021

Biannual Department **News Letter**

VOLUME 11, ISSUE 2



MechInfo

NEWS LETTER



Chief Editor

Dr. K.M.Sathish Kumar
Professor and Head

Editors

Mrs. Nithya Poornima
Assistant Professor

ANANDA.R

Instructor

Student Coordinators

Chinmayee Prasad, VI SEM
Spoorthy, IV SEM

DEPARTMENT OF MECHANICAL ENGINEERING

Avalahalli, Yelahanka, Bengaluru-560 064

Doddaballapura Main Road

www.bmsit.ac.in





Vision of the Department

To develop technically competent Mechanical Engineering professionals for the benefit of the



Mission of the Department

- Impart quality education in Mechanical Engineering and allied areas by state of the art infrastructure and dedicated faculty.
- Provide conducive environment for both students and faculty to pursue higher education & research and to work ethically for the benefit of society.

Program Educational Objectives (PEOs)

Graduates of the program will:

PEO-1: Be successful professionals in the field of Mechanical Engineering and allied areas.

PEO-2: Exhibit skills to work effectively and ethically in multiple domains of engineering as part of a team.

PEO-3: Excel in higher studies, research and adapt in a world of constantly developing technology.

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HODs Desk:

I am extremely happy to share with you about the progress, Department of Mechanical has made during the year 2020. The programme is affiliated to Visvesvaraya Technological University (VTU), Belagavi and approved by All India Council for Technical Education (AICTE). The UG programme is accredited by the National Board of Accreditation (NBA), New Delhi and also Permanently Affiliated to Visvesvaraya Technological University (VTU), Belagavi. The Post-Graduation in Machine Design was started during the academic year 2014-15 with an approved intake of 18 students. The Department is recognised as a Research Center by Visvesvaraya Technological University(VTU), Belagavi where the number of research scholars registered stands at 21. Department has 20 well qualified and dedicated faculty members with 10 faculty holding Doctoral Degree and 10 faculty pursuing their doctoral degree.



The Department is supported by 09 well trained Technical staff. Department of Mechanical Engineering is happy to inform that Mr. Arun D (1BY16ME010) has secured I Rank and 7 Gold medals in the Mechanical Engineering. He was topper among 14803 mechanical engineering graduated students under VTU Belagavi. The Department of Mechanical Engineering has state-of-the-art laboratories. These laboratories not only satisfy the curriculum requirements of the students very lucidly, but also provide additional facilities to enhance the practical knowledge. The Department has Memorandum of Understanding (MoU) with Industries, Research and Academic Institutes. Department of Mechanical Engineering has established a State-of-the-art Centre of Excellence in collaboration with M/s. Toyota Kirloskar Motor Pvt. Ltd., Bengaluru.

DEPARTMENT ADVISORY BOARD (DAB)



**Dr.Mohan Babu G N**

Principal and Professor

**Dr.H.K Govinda Raju**

Vice Principal and Professor

**Dr.K.M Sathish Kumar**

Professor and Head

**Mr.Praveen Kumar T N**

Associate Professor

**Mr.O.Gurumurthy**

Assistant Professor

**Mr.Chandra Sekhara Reddy**

Assistant Professor

**Dr.Anantha Krishna**

Assistant Professor

**Dr.Shripad Diwakar**

Assistant Professor

**Mrs.S.Nithya Poornima**

Assistant Professor

**Mr. Sriganesh T G**

Assistant Professor

**Mr. Sundaresh S**

Assistant Professor

**Dr. Jagadeesh Y. J**

Assistant Professor

**Mr. Madhu M.C**

Assistant Professor

**Dr. Keerthi Kumar. N**

Assistant Professor

**Mr. Kiran M.D**

Assistant Professor

**Dr. Sangmesh B**

Assistant Professor

**Dr. Santosh Kumar**

Assistant Professor

**Dr. G. Avinash**

Assistant Professor

**Mrs. B. J. Tejaswini**

Assistant Professor

Technical Staff – Department of Mechanical Engineering**Mr.P.K.Ramurthy**

Foreman

**Mr.Ananda.R**

Instructor

**Mr.R.Venkatesha**

Instructor

**Mr. Umashankar.S**

Assistant Instructor

**Mr.Srinivasa**

Assistant Instructor

**Mr.Abdul Razak**

Assistant Instructor

**Mr.Pradeep.C**

Mechanic

**Mr.Ashok.G.C**

Mechanic

**Mr.Srinivasa.K.A**

Mechanic



MoUs / Awards / Recognitions



Mr. Arun D (1BY16ME010) has secured I Rank in Mechanical Engineering for VTU, Belagavi during the 20th Convocation held in April 2021. Also secured 7 Gold Medals. He is the topper among 14803 Mechanical Engineering students graduated in the year 2020.



Dr. G L Anantha Krishna, Assistant Professor, has successfully completed his Ph.D under the able guidance of Dr. K M Sathish Kumar, Professor and Head, Department of Mechanical Engineering. He has completed his Viva voce examination on 15th January 2021 and Convocation on 4th April 2021. The title of his research work is “Study, Characterization and Optimization of Various Parameters of Permanent Magnet Eddy Current Braking System”.



Mr. Keerthi Kumar N (4MT13PMN01) has completed his Ph.D under the guidance of Dr. T K Chandrashakar, Professor, RNS Institute of Technology, Bangalore. He has completed his Viva on 24th Nov 2020. Received PDC on 19th Dec 2020 and Convocation on 4th April 2021. Title of the Thesis “Studies on Combustion, Performance and Emission Characteristics of Four Stroke DI Compression Ignition Engine using Simarouba oil as Bio Fuel”. Research center is Mangalore Institute of Technology and Engineering, Moodabidri.



Dr. K.M. Sathish Kumar, Professor and Head, Department of Mechanical Engineering was nominated as the Nominee of VTU, Belagavi to the “Board of Studies for Department of Industrial and Production Engineering” of Malnad College of Engineering, Hassan from 17.06.2021 to 17.06.2024.

Three teams from Aeroclub BMSIT&M participated in Trivia Jet 2.0, a National level Aviation Quiz competition conducted by IIT-Bombay on 14th July 2021. The students are Adityan A (1BY19EC008) and Akin Anto (1BY19EC008) secured second position in the preliminary round, Nidhi (1BY20AI032) and Mridul Sadashiv (1BY20IS090) secured the third position in the preliminary round, Jayant (1BY18ME022) and Siddharth (1BY18ME056) secured the fourth position, which saw over 100 teams participating in it. All three teams cleared the preliminary round with flying colours and moved into the final round on Zoom platform where they bagged the I, III and V position in All India level.

Patent Publications



Dr. Keerthi Kumar N, Assistant Professor, Department of Mechanical Engineering published journal in Indian patent, titled “Intelligent Mechanical Robotic Weed Controller for Sugar Beet Production”. Application number: 202141026549, Date of filing: 15/06/2021, Date of Publication: 02/07/202.

Reviewer for Journal/Conference:

Dr. Keerthi Kumar N, Assistant Professor, Department of Mechanical Engineering has reviewed Elsevier Materials Today Proceedings paper titled “Energetic and environmental evaluation of two molecular diagnostic systems for COVID-19” on 19th April 2021.

Dr. Keerthi Kumar N, Assistant Professor, Department of Mechanical Engineering has reviewed Elsevier Materials Today Proceedings paper titled “Heat and Mass Transfer on MHD Convective Unsteady Flow of a Jeffrey Fluid past an Inclined vertical Porous Plate with Thermal Diffusion Soret and Aligned Magnetic field” on 19th April 2021.

Dr. K. M. Sathish Kumar, Professor and HoD, Department of Mechanical Engineering was a reviewer for International Journal of Automotive and Mechanical Engineering (IJAME).

Dr. K. M. Sathish Kumar, Professor and HoD, Department of Mechanical Engineering was a reviewer for International Journal of Automotive and Mechanical Engineering (IJAME).

Dr. K. M. Sathish Kumar, Professor and HoD, Department of Mechanical Engineering has reviewed technical papers for International Conference for Frontiers in Engineering Science

Prof. Kiran M D, Assistant Professor, Department of Mechanical Engineering has reviewed Three technical papers for Elsevier Materials Today Proceedings. (ICFEST 2020).

Faculty as Resource Person



Dr. Sangamesh Assistant Professor, Department of Mechanical delivered a talk on Renewable Energy and Waste Management during AICTE ISTE refresher program on Thermal Engineering sponsored by AICTE organized by Kalpataru Institute of Technology, Tiptur. On 26.04.2021.



Mr. Praveen Kumar T N, Associate Professor, Department of Mechanical Engineering delivered a talk on **“Patents Aspects of Electrical Vehicles”** in one week online FDP on “Sustainable Electric Mobility – Opportunities and Challenges” from 15th to 21st April 2021 organised by the Department of Mechanical Engineering, BMS Institute of Technology & Management on 19th April 2021



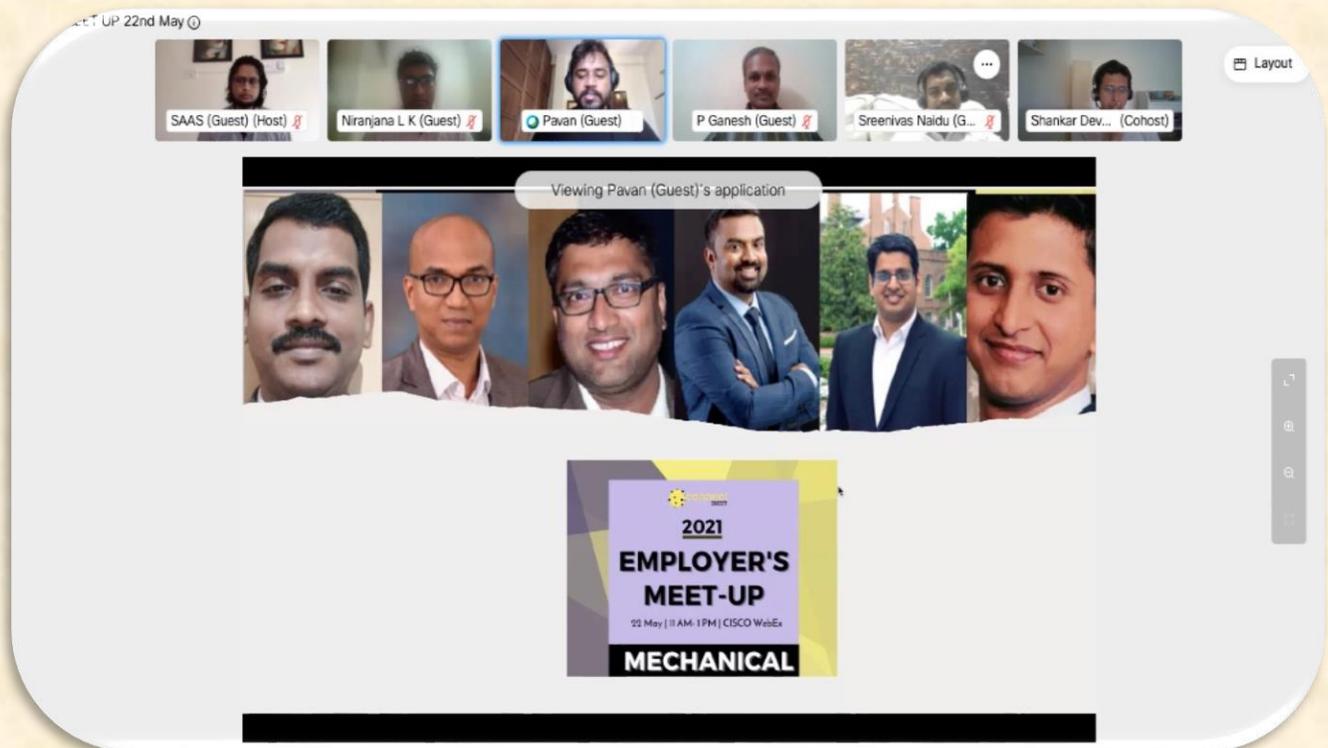
Mr. T.N Praveen Kumar delivered a talk on **“Patents Aspects of Electrical Vehicles”** in one week online FDP on “Sustainable Electric Mobility – Opportunities and Challenges”

Prof. Praveen Kumar T N, Associate Professor, Dept. of Mech. Engg. And Chief Co-ordinator, IP Cell. was invited as resource person for the open course Robotics with Artificial Intelligence for Information Science and Engineering Department from 1st to 5th, June 2021.

Prof. Praveen Kumar T N, Associate Professor, Dept. of Mech. Engg. and Chief Co-ordinator, Intellectual Property (IP) Cell was invited as a resource person for the One-day seminar on “Introduction to Intellectual property rights: Patents” organised by Dept. of Mechanical Engineering and R & D Centre, Brindavan College of Engineering, Bengaluru on 27th July 2021.

Employer's Meet

Employer's meet was organized for the Mechanical Engineering students through the BMSIT Connect program on 21st May 2021. Employers from across the globe have participated in this online meet. The objective of the meet was to bring the experts from various leading industries around the globe under one platform, to direct the students and provide insights on current trends in the industry. The experts highlighted the topics pertaining to the core mechanical domain that includes design, supply chain management, strategy and innovation, production, sales and marketing.



Scientific Committee Member

Dr. Keerthi Kumar N, Assistant Professor, has been selected as Scientific Committee Member for 2nd International Conference on Emerging Trends in Science, Engineering and Management (ICETSEM-2021), Organized by GM Institute of Technology (GMIT), Davangere, Karnataka, in Association with Institute for Engineering Research and Publication (IFERP), from 15th to 16th July 2021.

Book Chapter Authored

Dr. Keerthi Kumar N, Assistant Professor, has been published paper titled “An Exhaustive Study on the Use of Jatropha Based Biodiesel for Modern Diesel Engine Applications” in 1st edition, Volume 2, ISBN 9780367456207, e-book of “Biodiesel Fuels Based on Edible and Nonedible Feedstocks, Wastes, and Algae” of Taylor & Francis Group, by CNC Press on 4th May 2021.

DESIGN PATENT PUBLICATIONS

Dr. Keerthi Kumar N, Assistant Professor, published design patent on 18/06/201, titled “Cost Effective Ventilator Using CO₂ Laser Cutting Machine for COVID-19” in Indian Patent for Designing under class of 24-01-Appartus Equipment for Doctors, Hospitals and Laboratories. Journal number 25/2021 with design number 342442-001.

OUTSIDE WORLD INTERACTION

Dr. Keerthi Kumar N, Assistant Professor, has been assisted as external evaluator for Internship presentation by 8th sem students of Mechanical Department, Channabasaveshwara Institute of Technology, Gubbi on 18th June 2021.

OPEN COURSE COORDINATOR

Dr. Keerthi Kumar N, Assistant Professor, coordinated one-week open course on “Data Analysis using Excel” organized by the department, from 1st June to 5th June 2021.

Dr. Avinash.G and Dr. Jagadeesh.YJ Assistant Professor, coordinated one-week open course on “Introduction to Computational Fluid dynamics”. Organized by the department, from 1st June to 5th June 2021.

EXPERT TALK ORGANIZED

Department of Mechanical Engineering organized a Guest Lecture/Webinar has been organized for Mechanical Engineering Students entitled **Mechatronics Products Design** by J E Diwakar Professor (Rtd.) Centre for Product Design and Manufacturing(CPDM), Indian Institute of Science Bengaluru-560012 on 23-06-2021. This event co-ordinated by Prof T.N.Praveen Kumar.

Department of Mechanical Engineering organized an expert talk on the topic “Intellectual Property: Industrial Design” for IV and VI Semester students on 08.07.2021. The resource person was Mr. Nagarjun M G, Project Associate, KSCST, Bengaluru. The programme was organised by Prof. T. N. Praveen Kumar

INDUCTION PROGRAMME

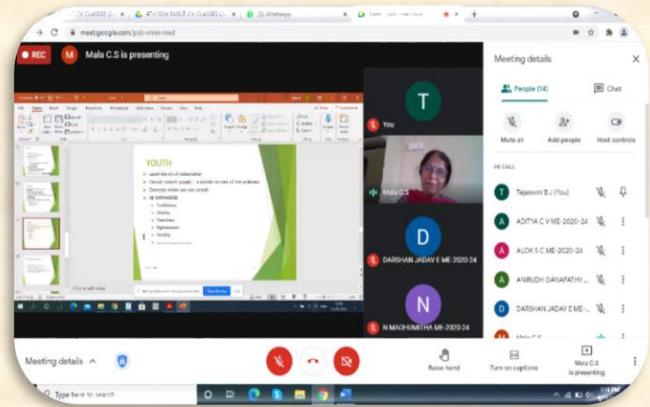


The physical Induction Programme for the late admitted students of Mechanical Engineering department was held in two sessions on 18th and 23rd February 2021. On 18th February 2021, from 2.40 to 4.00 pm, in CR202, Dr. K.M.Sathish Kumar, Professor and HoD presented a PPT about the Mission, Vision, PEOs and Pos of the Department. The students were educated about NAAC and NBA. The performance, achievements

in academic and extra-curricular activities and placements of students for the past 5 years was projected to the students. HoD also briefed about best practices followed in the department like Open Courses, PBL, OBE, Industrial Visits and Internships. The students were also educated about the faculty and non-faculty expertise, their contribution and achievements. The students were briefed about the Department Advisory Board and MoUs with industries like Toyota and Sandhar technologies. HoD introduced all the club- in-charges in the department ie Mr.Sripad Diwakar- SAE Club, Mr.Madhu.M.C- Aero Club, Mrs.Nithya Poornima- E-yantra Club. Each Club-in-charges spoke about the membership and activities of their respective clubs and showed some videos of the projects/workshops done under the club activities. All the students were advised to join either of the clubs and develop their skills which will enhance their employability status.

E-STUDENTS INDUCTION PROGRAM

The Department of Mechanical Engineering conducted E-Students Induction Program for 2nd semester students from 5th to 17th May 2021. This Eight- day program had sessions on Universal Human Values, Physical health, Yoga, Mental well-being, awareness on COVID 19 and vaccination, Scope of Mechanical Engineering, career guidance by alumnus, Creativity and Innovation. Dr.C.S.Mala, Dean- Students welfare, Mrs. Chethana Srinivas, Professional Counsellor, Mr. Arun D, alumnus and Dr. Sangamesh, Dr. Santhosh, Dr. Avinash.G, Mrs.Tejaswini B J engaged the various sessions of the program. Around 29 students attended this program, which was coordinated by Mrs. Tejaswini B J, Assistant Professor, Dept. of ME.



WORKSHOPS / FACULTY DEVELOPMENT PROGRAMMES/ FESTS ATTENDED:

Dr. K.M Sathish Kumar, Professor and HoD, participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on "3D Printing & Design" from 01.02.2021 to 05.02.2021 at JSS Academy of Technical Education, Bengaluru.

Mrs. Tejaswini B J, Assistant Professor, attended a One Week online Faculty Development Programme on "Intellectual Property Rights" organized by E&ICT Academy, IIT Guhawati from 8th to 13th February 2021 in association with Rangia College, Rangia and support from Techvictus Pvt. Ltd.

Dr. Shripad Diwakar, Assistant Professor, has participated and successfully completed the TEQIP-III sponsored National Level Programme on 'Reforms in Technical Education: Perspective of National Education Policy' jointly organized by Sardar Patel College of Engineering, Mumbai and REC, Rewa in collaboration with IIIE and SAE India, Western section from 4th March 2021 to 6th March 2021, under Twinning Activity.

Prof. Tejaswini B J, Assistant Professor, attended a one-week Online Faculty Development Program on "IPR & Patent Prosecution" organized by the Department of CSE in association with Institution

Innovation Council (IIC), MVSR Engineering College, Hyderabad from 24th to 28th May 2021. This FDP had sessions on patent drafting, filing and prosecution.

Dr. Shripad Diwakar Assistant Professor, has participated in the AICTE-ISTE Sponsored Six Days Online Refresher/Induction Program on “Recent Advances in Heating, Ventilation, Air-Conditioning and Refrigeration” from 27th April 2021 to 3rd May 2021, Organized by Department of Mechanical Engineering, Nitte Meenakshi Institute of Technology, Bengaluru-64.

Dr. Shripad Diwakar Assistant Professor, has attended 5 Days Online Faculty Development Program on “Research Skills and Techniques” from 24th to 28th May 2021, Organized by School of Applied Sciences, Department of Physics, Under Science and Technology Appreciation Club, Reva University, Bengaluru – 560 064.

Prof. Tejaswini B J, Assistant Professor, attended a Seven Days Online Faculty Development Program on “Advance Research Methodology” organized by Sardar Patel Subharti Institute of Law (UGC approved and NAAC Accredited), Meerut from 4th to 10th June 2021.

Prof. Tejaswini B J, Assistant Professor, participated in a Three Days Online Workshop on “Successful Parenting during Pandemic” organized by Women Empowerment Cell, BMSIT&M on 29th May, 12th and 19th June 2021.

Prof. Tejaswini B J, Assistant Professor, participated in “3rd Hands on Training: Research Methods in Intellectual Property Rights” organized by DPIT IPR Chair, Gujarat National Law University (GNLU), DPIT IPR Chair, Cochin University of Science & Technology (CUSAT) and Inter University Centre for IPR studies (IUCIPRS) from 11th to 13th June 2021.

FDP CONDUCTED/ ORGANISED

The Department of Mechanical Engineering organized one week online FDP on “Sustainable Electric Mobility – Opportunities and Challenges” from 15th- 21st April 2021. The objective of the FDP was to give the insight into the Electric Vehicles from the mechanical engineering perspective. Resource persons from both Industry and Academia gave a lecture during the FDP. All the members of the Department Participated in the Programme.

The Department of Mechanical Engineering organized Building CV session on 29 May 2021 for final year mechanical engineering students by Mr. Pavan Kumar S., BMSIT Connect lead, Mr. Pavan briefed about the details to be included in the CV and Linked in Profile. He explained about the Importance of optimization of CV based on the job role and also told that the importance of having good attitude for finding jobs along with technical knowledge. Also he covered the Career opportunities and advantages of going for Masters Studies.

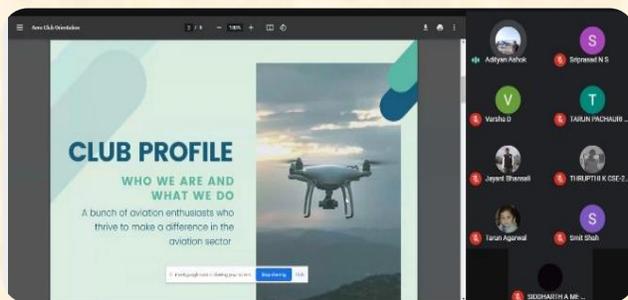
AEROCLUB ACTIVITIES

The AEROCLUB organized a webinar on 21st May on the topic” How Covid19 is driving drone innovation” by Leo Peter Charles of Jane Aerospace, Bengaluru. The webinar was attended by 102 students. It was presided over by HOD, ME and coordinated by Prof. Madhu M. C. The students were exposed to the recent trends in drone industry and in particular, during the COVID time.



Webinar on “How Covid19 is driving drone innovation”

An orientation program was conducted by the Aero Club of BMSIT&M, on 22nd of May 2021 for all the student members of the club on Google Meet. The session began with the core team members of the club introducing themselves and sharing their experiences on UAVs, aero-modelling and plane spotting. The core team then explained the objectives of the club and how they plan on achieving it. The future activities and programs were also discussed. The session concluded with the core team presenting the club's past projects to encourage more students to join the club.



Orientation program of the Aero Club

DEPARTMENTAL CO-CURRICULAR ACTIVITIES

Prof. Keerthi Kumar N, Assistant Professor, Department of Mechanical Engineering organised a blended learning for students of M Section, Mechanical Branch. They were taken for “Fluid Mechanics and Machinery Lab” on 08/02/2021 to demonstrate the working of hydraulic turbines, pumps and boiler. This activity enables the students to understand the concepts better due to the use of modern tool and also enhances lifelong learning ability. Total number of students participated: 33



Demonstrating the working of 4-stroke engines

Prof. Keerthi Kumar N, Assistant Professor, Department of Mechanical Engineering organised a blended learning for students of M Section, Mechanical Branch were taken for “Centre of excellence” on 10/02/2021 to demonstrate the working of 4-stroke engines. This activity enables the students to understand the concepts better due to the use of modern tool and also enhances lifelong

learning ability. Total number of students participated: 37.

Students of M Section, Mechanical Branch was taken for “Energy conversion lab” on 11/02/2021 to demonstrate the different parts of 4-stroke engines diesel engine and 2-stroke petrol engine. This activity enables the students to understand the concepts better due to the use of modern tool and also enhances lifelong learning ability. Total number of students participated: 43.



Journal Publication

Dr. Keerthi Kumar N, Assistant Professor, has published paper titled “Study of Performance and Emission Characteristics of C.I Engine fueled with Hybrid Biodiesel” in International Journal of Vehicle Structure and Systems on 22nd Jan 2021.

Prof.S.Nithya Poornima Assistant Professor, has published paper titled “Studies on Nanomaterials as Additives for Lubrication- A Review” in International Journal of Engineering Science and Computing” ISSN 2321 3361 on February 2021

Dr.Shripad Diwakar, Assistant Professor, has published a paper entitled “Object locator and path finding robotic arm” in International Journal of Advance Research, Ideas and Innovations in Technology (IJARIIT), Vol-7, Issue-2, (March – April 2021), pp 141-144 (A Thomson Reuter Indexed Journal).

Dr. Keerthi Kumar N, Assistant Professor, has published paper titled “Parametric optimization of hot chamber pressure die casting process” in Science direct Materials today Proceedings, DOI: <https://doi.org/10.1016/j.matpr.2021.01.621>.

Dr. Keerthi Kumar N, Assistant Professor, and his published paper titled “Fracture toughness study of epoxy composites reinforced with carbon fibers with various thickness” in Science direct Materials today Proceedings, DOI: <https://doi.org/10.1016/j.matpr.2021.02.271>.

Prof. Madhu M.C, Assistant Professor, published a paper titled” Hybrid DC-AC Homes with rooftop solar power” in the Scopus indexed and WOS- EDP sciences Journal of E3S Web of Conferences, Vol 239,(2021)00025.

Dr. Keerthi Kumar N, Assistant Professor, published paper titled “Optimization of process parameters for turning machine using Taguchi super ranking method: A case study in Valve Industry” in Elsevier, Science direct, Materials today Proceedings, DOI: <https://doi.org/10.1016/j.matpr.2021.05.043>.

Dr. Keerthi Kumar N, Assistant Professor, published paper titled “Vibration based condition monitoring of rotating part using spectrum analysis: A case study on milling machine” in Elsevier, Science direct, Materials today Proceedings, DOI: <https://doi.org/10.1016/j.matpr.2021.05.226>.

Dr. Keerthi Kumar N, Assistant Professor, has published paper in Turkish Journal of Computer and Mathematics Education, Titled: Overview of Remotely Operated Vehicles, Volume-12, No-13, e-ISSN 1309-4653 on 24th July 2021.

INTERNATIONAL CONFERENCE

Dr. Keerthi Kumar N, Assistant Professor, and his team has presented paper on “Overview of Remotely Operated Vehicle” at International Conference on Advanced Computing and Communication Technology (ICACCT-2021), Organized by the Department of Information Technology, Francis Xavier Engineering College, Tirunelveli held on 6th and 7th May 2021.

Dr. Keerthi Kumar N, Assistant Professor, has presented paper on “Optimization of process parameters for turning machine using Taguchi super ranking method: A case study in Valve Industry” at International Conference on Materials and System Engineering (ICMSE-2021), Organized by the Department of Mechanical Engineering, SJB Institute of Technology, Bengaluru in Association with Technical Institute for Engineers, held on 7th and 8th May 2021.

Dr. Keerthi Kumar N, Assistant Professor, has presented paper on “Optimization of vibration based condition monitoring of motor drive end using Taguchi technique: A case study on milling machine”

at 4th International Conference on Inventive Material Science and Applications (ICIMA-2021), Organized by the PPG Institute of Technology, Coimbatore, held on 14th and 15th May 2021.

Dr. Keerthi Kumar N, Assistant Professor, has presented paper on “Performance and emission characteristics of 4-stroke diesel engine using simarouba and graphene nanoparticles” at 5th International Conference on Advanced Research in Mechanical, Materials and Manufacturing Engineering (ICAMMME-2021), Organized by School of Mechanical Engineering, Reva University, Bangalore on 9th and 10th July 2021.

ONLINE COURSE COMPLETED (FACULTY)

Dr. K. M. Sathish Kumar, Professor and HoD, has successfully completed NPTEL online course "Mechatronics" offered by IIT Roorkee.

Prof. S.Nithya poornima, Assistant Professor, has successfully completed UdeMy online course "Leadership". On June 8 2021

PARENT TEACHER MEETING



Photo of PTM meeting conducted via online

Parent Teacher Meeting was held on 12/06/2021 to the parents of 4th, 6th, and 8th semester students. Dr.K.M.Sathish Kumar, HoD of Mechanical Engineering Department briefed about the department, online classes conducted, various club activities conducted, department achievements etc. Parents were glad and appreciated the steps taken by the college for the wellbeing of the student

Parent Teacher Meeting was held on 12/06/2021 to the parents of 4th, 6th, and 8th semester students. Dr.K.M.Sathish Kumar, HoD of Mechanical Engineering Department briefed about the department, online classes conducted, various club activities conducted, department achievements etc. Parents were glad and appreciated the steps taken by the college for the wellbeing of the students.

PARENT TEACHER MEETING

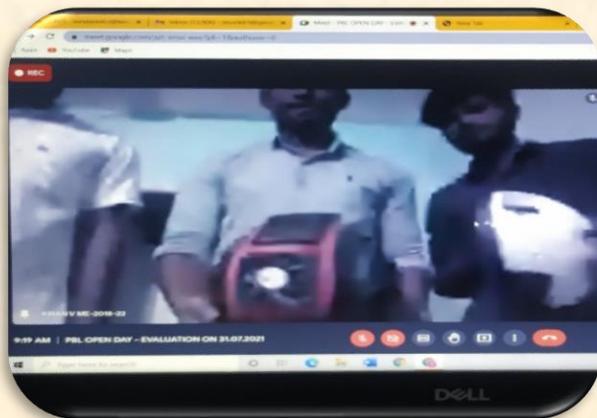
Parent Teacher Meeting was held on 10/07/2021 to the parents of 2nd semester students. Dr.K.M.Sathish Kumar, HoD of Mechanical Engineering Department briefed about the department, online classes conducted, various club activities conducted, department achievements etc. Parents were glad and appreciated the steps taken by the college for the wellbeing of the students.



Photo of PTM meeting conducted via online

PBL PROJECT REVIEW

The Department of Mechanical Engineering organized a PBL Project review on 30th and 3rd July 2021 to exhibit the project work carried out by the students of the IV and VI semester students. All these projects were evaluated by internal committee on 30th July 2021 based on the various rubrics in preliminary round and after critical evaluation 7 best projects from VI semester and 5 best projects from 4th semester batches were selected for final round.



TECHNICAL STAFF DETAILS

Technical Staff FDP/Quiz/Webinar Attended

All technical Staffs attended one-week In-house Training programme on 'Basic Operation and Programming of CNC Turning Machine' –ACE Supper jobber 500J. organized by Department of Mechanical Engineering, BMS Institute of Technology and Management.



Technical Staff In-house Training Programme on Basic Operation and programming of CNC Turning Machine

Content of the Training Programme:

- ❖ Understanding of CNC turning Machine, various parts, drive units, attachments.
- ❖ Basic start-up of the CNC turning machine ACE Supper Jobber 500J, Machine reference, spindle run, turret index, Jog mode, MPG mode, MDI mode.
- ❖ Concepts of CNC Programming, Axis understanding, G-Codes, M-Codes, Address characters and Programme structure.
- ❖ Programme writing for basic operations, Facing, turning, step turning, taper turning, chamfering Grooving etc.
- ❖ Practice on machine for basic operation, Zero Offset, Tool offset methods.
- ❖ Input of Programme in to the control system, Programme call, search, programme alter practices.
- ❖ Hands on training for operation on CNC machine for simple programming for Facing, turning, step turning, taper turning, chamfering, grooving.
- ❖ Tools selection & setting on CNC machine.

FDP ATTENDED:

All technical Staffs participated has one-week online Faculty Development Program On “Sustainable Electric Mobility – Opportunities and Challenges” held on 15th April 2021 to 21st April-2021. Organised by Department of Mechanical Engineering at BMS Institute of Technology and Management, Bengaluru-560 064

Mr. Ramurthy, Foreman, has participated in a Webinar on “Artificial Intelligence and Machine Learning for Mechanical Engineers” held on 9th June- 2021 Organised by Department of Mechanical Engineering at St JOSEPH College of Engineering, Mangalore.

Mr. Ramurthy, Foreman, has participated in a Webinar on “Machinability studies using optimization technique” held on 9th June- 2021 Organised by Department of Mechanical Engineering at RNS Institute of Technology, Bengaluru.

TOYOTA ENGINE LAB _ CENTRE OF EXCELLENCE



CNC-LAB _ CNC Turning Machine - ACE Supper jobber 500J



New Equipment's included in the Department



Tig Welding



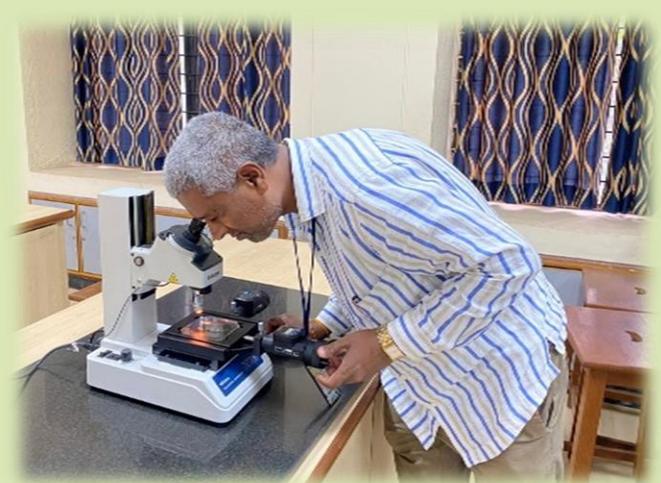
Mig Welding



PG LAB_Computerized Impact Testing



ENGINE LAB_Computerized Diesel Engine Test



MM LAB_Tool Maker's Microscope

Extra Curricular Activities



Mr. Srinivasa K A
Instructor, Dept.of ME



Naman Shivananda
Edrami
4th SEMESTER

ತಾಯಿ

ಕೂಲೈಯಲ್ಲಿ ಇತ್ತ ಕೊಂಡೆ
 ಕೊಬ್ಬ ಕಡ್ಡವ ನಟಿಸಿಕೊಂಡು
 ನಿನ್ನ ಶರಣುಳಿದನ್ನು ಕತ್ತರಿಸಿಕೊಂಡ
 ಓ ತಾಯಿಯೇ ಇನ್ನೆಷ್ಟು ಹ್ಯಾಗೆ ಮಾಡುವೆ??

 ಎನಗೆ ಶಿವನರ ಶಾಲವನ್ನು ಬೋಧಿಸಿದ
 ನನ್ನ ಮೂಲದಲ್ಲಿ ನೀನು ಪಾಲು ಕೇಳಿದ
 ನನ್ನ ಸಂವೇಷಣದಲ್ಲಿ ನಿನ್ನ ಸುತೋಪವನ್ನು ಕಂಡುಕೊಂಡ
 ಓ ತಾಯಿಯೇ ಇನ್ನೆಷ್ಟು ಪಾಳೆಗೆ ಬೆಕ್ಕುನುಬೆ??



ಕಾರ್ತಿಕ್ ಡಿ ಬಿ,
ನಾಲ್ಕನೇ ಸೆಮಿಸ್ಟರ್



SOMESH KUMAR, 4th SEMESTER



Vision of the Institute

To emerge as one of the finest technical institutions of higher learning to develop engineering professionals who are technically competent, ethical and environment friendly for betterment of the society.



Mission of the Institute

Accomplish stimulating learning environment through high quality academic instruction, innovation and industry - institution interface.



BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Doddaballapur Main Road
Avalahalli, Yelahanka
Bengaluru-560064