

YANTHRIKA



A Newsletter
of
**THE DEPARTMENT OF
MECHANICAL ENGINEERING**

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**SHRI MADHWA VADIRAJA INSTITUTE
OF TECHNOLOGY AND MANAGEMENT**

(A Unit of Shri Sode Vadiraja Mutt Education Trust®, Udupi)

Accredited by NAAC with 'A' grade

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SMVITM

A BRIEF OVERVIEW OF THE DEPARTMENT

The Department of Mechanical Engineering started in the year 2010 with an intake of 60 students, was increased to 120 in the academic year 2011-12. The department offers an undergraduate program in Mechanical Engineering; also, the department has been recognized as a Research Centre by VTU to offer PhD Degree. Mechanical Engineering is the discipline that applies the principles of engineering physics and material science for the design, analysis, manufacturing and maintenance of mechanical systems. It is the branch of engineering that pertains to the design, production and operation of machinery.

Academic activities in the department are designed with student-centric learning approach in such a way that intellectual curiosity and creativity of students is simulated and spirit of innovation is instilled in them. The department provides state of art infrastructure and well-equipped laboratories in various disciplines of mechanical engineering. The department has well qualified, competent and committed team of faculty members who have their specializations in different areas of mechanical engineering.

The dedicated and experienced faculty guide the students with the projects and industry assignments. Some of the projects are funded by Government agencies like VGST, KSCST and have been selected for exhibitions. The effort of faculty, well experienced supporting staff, enabling learning environment and availability of modern facilities are reflected in the excellent performance of the students.

The department has established a R & D center for “Technical Up gradation of Cashew Processing Equipment” in association with Karnataka Council for Technology Upgradation Bengaluru. The R & D Centre provides a platform to the students to take up real time projects and interact with industries. The department also has a “Creativity Centre” in order to trigger the innovation and enhance the creative skills of the students. The department is always engaged in motivating students to take up challenging research and development activities for the welfare of society.

Vision

To become a center of excellence in Mechanical Engineering and contribute to technological and socio-economic developments.

Mission

- To develop state of the art facilities related to Mechanical Engineering.
- To build a team of qualified and motivated faculty members.
- To impart quality engineering education with ethics to students.
- To promote collaboration with industries/institutes for academic, research and consultancy catering to societal needs.

Program Educational Objectives

- The graduates of Mechanical Engineering Program should have:
- The fundamental knowledge of Science and Engineering to work in diverse fields of mechanical engineering domain.
- The technical and analytical skills to design and develop mechanical engineering components and systems.
- The professional competency to function effectively in multi-disciplinary environment.
- The ethical values and inculcate integrity for social and environmental developments.



ACTIVITIES CONDUCTED**Value added Catia Training Program**

The department of Mechanical Engineering under ISTE Student Chapter had organized a training program on "CATIA software" from 12 November 2021 to 8 December 2021, total 8 days for mechanical engineering students of pre-final and final year at CAD Lab of the institution. Mr. Prashanth from EduCADD, Udupi conducted hands on sessions on Basics of drafting and modeling in CATIA software. Drafting and creating models was demonstrated to the students and they performed the same in CATIA software. 34 registered students benefited from this training program.

Webinar on "Practical Applications of FEM in Aerospace and Automotive Domain"

The department of Mechanical Engineering under ISTE Student Chapter had organized a guest lecture by Mr. Puneeth M L, Team Lead, Aeroengine Division, Safran - Snecma Aerospace, Bengaluru, on "Practical Applications of FEM in Aerospace and Automotive domain" 5th January 2022 from 2:30 PM to 4:00 PM for mechanical engineering students of pre-final and final year at seminar hall of the

institution. During the lecture, Mr. Puneeth, delivered the concepts of finite element methods and its applications in aerospace and automotive domains by citing case studies undertaken by him and his company. The lecture also helped the students to understand the importance of FEM analysis in R&D department of any company.

Celebration of National Energy Conservation Day

Department of Mechanical Engineering in association with Renewable Energy club of Shri Madhwa Vadiraja Institute of Technology and Management (SMVITM), Bantakal has celebrated National Energy Conservation Day on 14 December 2021

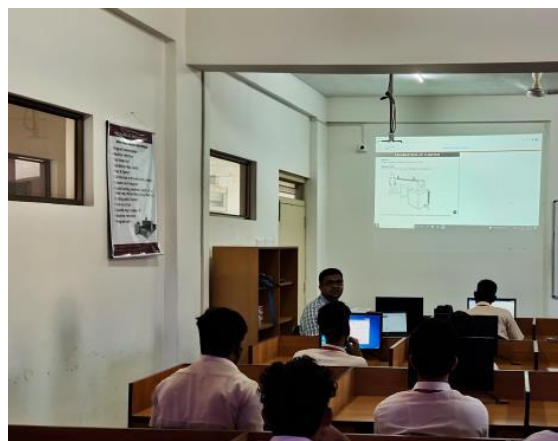
in the campus. In order to create awareness about the importance of conservation of energy among the students, the college has organized several events such as Model making competition and exhibition with the theme 'Renewable Energy', Poster making competition and exhibition with

the theme 'Energy Conservation' and Public speaking competition with the theme 'Green Energy'. More than hundred students have actively participated and won the prizes. Mr. Ananthesh Rao K, Assistant Professor, Department of Mechanical Engineering has coordinated the event.

Conduction of a Virtual Lab Session on "Fluid Mechanics / Machines Lab"

Department of Mechanical Engineering has conducted a Virtual Lab Session on Fluid Mechanics / Machines Lab for 13 registered 3rd Year Mechanical

Engineering students on 05-02-2022. Mr. Manjunath S, Assistant Professor (Sr.), Mr. Lingaraj K Ritti, Assistant Professor (Sr.) and Dr. Raja Yateesh Yadav, Associate Professor, Dept. of Mechanical Engineering, SMVITM, Bantakal are the Resource persons for the virtual Lab sessions.

**Conducted a Virtual Lab Session on "Material Testing Lab"**

Department of Mechanical Engineering has conducted a Virtual Lab Session on Material Testing Lab for 7 registered 2nd Year Mechanical Engineering students on 09-03-2022. Dr. Gajanan Anne, Associate Professor, Department of Mechanical Engineering, SMVITM, Bantakal is the Resource Person for the Virtual Lab Session.

Technical Talk on "Scope of CAE-ALTEM"

Department of Mechanical Engineering in association with Yantrika Club, SMVITM, Bantakal has conducted a Talk on "Scope of CAE- ALTEM", for 3rd Year

Mechanical Engineering students on 28.04.2022. Mr. Manohar, Altem Technologies, Bengaluru are the Resource Persons for the Talk. He insisted on getting more practical exposure to such applications at designated centers

where ALTEM software is installed. He suggested visiting ALTEM'S dedicated website portal for opportunities in upskilling and getting internships and placement assistance.

Five Days Faculty Development Program on "Electric Vehicle and Smart Grid"

Department of Mechanical Engineering and Electronics and Communication Engineering in association with ISTE Faculty Chapter of Shri Madhwa Vadiraja Institute of

Technology and Management, Bantakal, Udupi organized a Five Days Faculty Development Program on "Electric Vehicle and Smart Grid" from 14th to 18th March 2022 in the college premises. Mr. Esakki Raja S, Sr. Application Engineer in VI solutions, Bengaluru was the

resource person of the five day faculty development. He appreciated the management for conducting the sessions in blended mode and highlighted the importance of training the future engineers in the Electric Vehicle Field.

Value added Program on "C- Programming"

Department of Mechanical Engineering in association with Department of Civil Engineering and Placement Cell of SMVITM, Bantakal has organized a Value added Program on C- Programming for 3rd Year Mechanical Engineering Students. Dr. Nagaraj Bhat, Associate Professor and Head, Computer Science Engineering Dept., SMVITM, Bantakal is the Resource for C Programming from 4th April to 6th April 2022. The trainers thoroughly explained and demonstrated the concepts of C programming with the help of final year students of Computer Science Engineering. A Total of 45 students participated and benefited from the Value added Program.



Gate Exam Training Session/ Awareness Talk

Department of Mechanical Engineering has conducted Gate Exam Training Session/ Awareness Talk for 2nd Year Mechanical Engineering students by Dr. Ananth Pai S, Founder & Gate

Exam Coach, Academy in Pursuit of Engineering Excellence (APEX), Mangaluru on 24 November 2021. He provided detailed insights with respect to the pattern for Gate exams, preparation required and

opportunities ahead if Gate exam is cleared. A total of 13 students participated and benefited from the Session.

A Talk on "How to Write a Technical Report"

Department of Mechanical Engineering has organised a Talk on "How to Write a Technical Report" for Final Year Mechanical Engineering Students on 09 June 2022. The Talk was delivered by Mr. Aditya Kudva S, Assistant Professor, Department of Mechanical Engineering,

SMVITM, Bantakal. The necessity of writing a technical report both in academia and industry was discussed during the session. The students interacted with the faculty and discussed certain aspects related to the topic. 28 Students attended and get valuable inputs from this talk.

Value Added Program on “Python Programming”

Department of Mechanical Engineering has organized 4 days Value Added Program on “Python Programming” for Final Year Mechanical Engineering Students from 13-16 June 2022. Mr. Sharath Kumar and Ms. Sowmya S, Assistant Professors, Department of Computer science Engineering, SMVITM Bantakal are the resource persons for the Python Programming. Resource persons thoroughly explained the concepts of Python programming and stressed on its importance. 14 students were participated and benefited from this program.



Talk on “Opportunities for Mechanical Engineers in Manufacturing Sector”

Department of Mechanical Engineering in association with Training and Placement Cell of SMVITM, Bantakal organised a Talk on “Opportunities for Mechanical Engineers in Manufacturing Sector” for Mechanical Engineering Students on 28 June 2022. The talk was delivered by Mr. Nagesh Adiga, Senior HR, AMS Bengaluru. He was accompanied by his HR Team of 2 Members. Mr. Nagesh addressed the Mechanical Engineering students highlighting roles and opportunities for Mechanical Engineers in Manufacturing

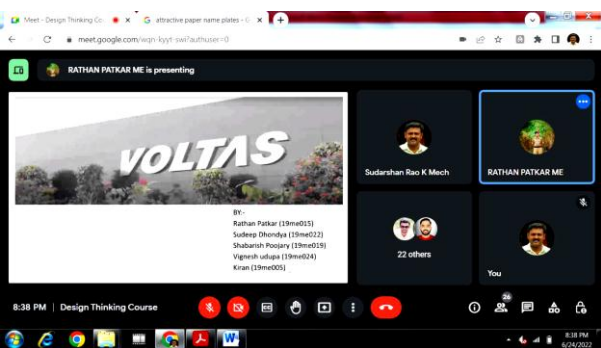
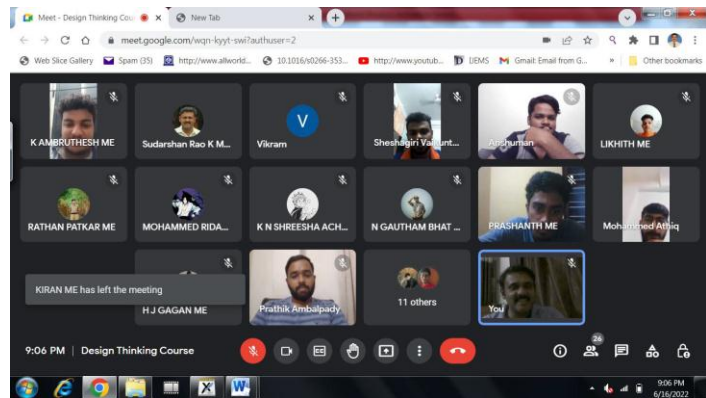
Industry. He highlighted that strong basics of Basic Sciences and Core Mechanical subjects is a bare minimum necessity expected out of fresh engineering graduates along with passion towards Mechanical Engineering. He also motivated the students to explore things beyond curriculum such as take up value added courses, professional development courses, visit industries every semester, carry out internships. Also, basic knowledge of other domains would also be very handy to cope up with recent developments in the industry. 62 Students were participated and gain more knowledge about the Manufacturing Sector.



Six Days Value Added Program on CNC Milling Machine”

Department of Mechanical Engineering in association with the Yantrika club of SMVITM, Bantakal, Udupi had organized a Six Days Value Added Training Program on CNC Milling Machine for 4th Year Students of Mechanical Engineering from 17/05/2022 to 20 and 23 to 24 May 2022. Mr. Lingaraj K Ritti, Mr. Ananth Mohan Mallya and Mr. Shrikanth Shettigar were Resource Person for the Program. During the first half of the training program, the students were encouraged to write the CNC programs using G codes and M codes in CNC mill software. The resource persons gave an overall idea about how to write the program for the specific applications. During the second part of the training program, each student worked on the CNC milling machine and embossed nameplates of their own choice were fabricated successfully under the guidance of resource persons and Mr. Shrikanth Shettigar Lab Assistant Department of Mechanical Engineering.

Certificate Course on "Introduction to Design Thinking" Internal Quality Assurance cell (IQAC) in association with Department of Mechanical Engineering, SMVITM has organised 32 hours Certificate Course on "Introduction to Design Thinking" from 1st June to 25th June 2022. Dr. Sudarshan Rao K, Dean (QA) and Professor, Dept. of Mechanical Engineering, SMVITM, Bantakal was the Resource Person for the Program. The course was conducted in the blended mode (both Online and Offline). Students performance assessed through online quiz, case study presentation and design thinking related activities conducted during the workshop. Total 28 students attended and successfully complete the course and certificates issued to them.



DEPARTMENT ACHIEVEMENTS

Rs. 12 Lakhs Sanctioned for the project titled "Development of Biodegradable Implant Materials"

A Funding Amount **Rs. 12 Lakhs** Sanctioned to University, Belagavi for the project titled by Dr. Gajanan Anne, Associate Professor & Dept. of Mechanical Engineering on "**Development of Biodegradable Implant Materials**" under the principal Investigation SMVITM, Bantakal

Rs. 30000/- Sanctioned for the Project titled "Fabrication and Study of Biodegradable Leaf Plates"

A Funding Amount **Rs. 30,000/-** Sanctioned to Dept. of Mechanical Engineering on 16.04.2022 by Karnataka Science and Technology Academy, Science and Technology Department, Govt. of Karnataka, Bengaluru for the project titled "**Fabrication and Study of Biodegradable Leaf Plates**" under the principal Investigation by Dr. Sudarshan Rao K, Dean (IQAC) & Professor, Dept. of Mechanical Engineering, SMVITM, Bantakal.

Mechanical Engineering Students Won "Best Project Award"

The Project Titled "**Development & Analysis of Novel Atmospheric Water Generator for Obtaining Clean Drinking Water**" under the Student Project Programme (SPP) for the Year 2020-21 (44 Series) guided by Dr. Raja Yateesh Yadav, Associate Professor, Department of Mechanical Engineering, SMVITM, Bantakal was adjudged as "**Best Project of the Year**" during the online evaluation of projects held during August 2021.



JOURNAL PUBLICATIONS


Sl. No.	Type	Name of the Faculty	Journal Publication
1	International	Dr. Raja Yateesh Yadav	"Erosion Wear Behavior of Glass Fiber Hybridized Flax and Sisal Fabric Hybrid Composites With Taguchi Experimental Design" in Elsevier Materials Today Proceedings, Volume 47, Part 17, 2021, https://doi.org/10.1016/j.matpr.2021.04.430 , pp: 5901-5906.
2	International	Dr. Udaya Prasanna H	"Erosion Wear Behavior of Glass Fiber Hybridized Flax and Sisal Fabric Hybrid Composites With Taguchi Experimental Design" in Elsevier Materials Today Proceedings, Volume 47, Part 17, 2021, https://doi.org/10.1016/j.matpr.2021.04.430 , pp: 5901-5906.
3	International	Mr. Manjunath S	"Investigation on the Performance of an IDI Engine using a Novel Dual Swirl Combustor", in Materials Today: Proceedings, ISBN: 2214-7853, November 2021, https://doi.org/10.1016/j.matpr.2021.11.090 .
4	International	Dr. Gajanan Anne	"Solid Particle Erosion Behavior of Plasma Sprayed (WC-Co)/ (Cr3C2-NiCr) Coatings", in Journal of Bio- and Tribo-Corrosion, Springer Nature, ISSN: 2198-4239, Volume 8, February 2022, https://doi.org/10.1007/s40735-022-00629-5 .
5	International	Dr. Gajanan Anne	"Fabrication of Mg-Zn/Al and Mg-Zn/Anodized Al Multilayered Composites by Accumulative Roll Bonding, Investigation of Corrosion Behavior" in Materials International, ISSN: 2668-5728, Volume 4, Issue 1, April 2022, https://doi.org/10.33263/Materials41.003 .
6	International	Dr. Gajanan Anne	"Surface modification of multi-directional forged biodegradable Mg-Zn alloy by ball burnishing process: Modeling and analysis using deep neural network", in Journal of Manufacturing Processes, ISSN: 1526-6125, Volume 68, Part A, August 2021, pp:423-434, https://doi.org/10.1016/j.jmapro.2021.05.049 .
7	International	Mr. Manjunath S	"Performance, Emission and Exergy Analysis of an IDI Dual Swirl Combustor Diesel Engine with Blended Waste Chia Seed Oil as a Biofuel ", in International Journal of Ambient Energy, June 2022, https://doi.org/10.1080/01430750.2022.2080266 , pp:1-15.

CONFERENCE PAPER PRESENTATION / PUBLICATIONS - STAFF

Sl. No	Details(Author/ Title of Paper/ Conference Name/Date/ Venue/ ISBN)etc.
1	Mr. Manjunth S, Assistant Professor (Sr.), Department of Mechanical Engineering, SMVITM, Bantakal has Participated and Presented a Paper Entitled "Investigation on the Performance of an IDI Engine using a Novel Dual Swirl Combustor" in International conference on Smart and Sustainable Developments in Materials, Manufacturing and Engineering (SME 2021), organised by NMAMIT, Nitte from 19-20 November 2021.
2	Mr. Manjunth S, Assistant Professor (Sr.), Department of Mechanical Engineering, SMVITM, Bantakal has Participated and Presented a Paper Entitled "Characterization Of Chia Seed Oil Methyl Ester as an Alternate Fuel for Diesel Engine" in Virtual International Conference on Alternative Fuels and Electric Vehicles 2021 (ICAFEV 2021), organised by Alard College of Engineering and Management, Pune in association with Accra Technical University, Accra, Ghana from 9-10 December 2021.
3	Mr. Manjunth S, Assistant Professor (Sr.), Department of Mechanical Engineering, SMVITM, Bantakal has Participated and Presented a Paper titled "Performance and Emission Analysis of an IDI Diesel Engine with EGR" in Virtual Two Day International Conference on Recent Trends in Mechanical Engineering Sciences (RTIMES- 2022), organised by Srinivasa Institute of Technology, Valachil, Mangaluru from 10-11 June 2022.
4	Dr. Gajanan Anne, Associate Professor & HOD, Department of Mechanical Engineering, SMVITM, Bantakal has Participated and Presented a Paper Entitled "Greener Synthesis of Mixed Metal Nano Oxides using Cyathea Nilgiriensis Holttum Plant Extract" during the 2nd International Conference On Instigating Research in Materials, Energy and Environment (ICIRMEE)-2021, Organised by Department of Chemistry, Sri Ramaswamy Memorial Easwari Engineering College, Ramapuram, Chennai from 6-7 October 2021.

5	Dr. Gajanan Anne, Associate Professor & HOD, Department of Mechanical Engineering, SMVITM, Bantakal has Participated and Presented a Paper Entitled "Investigation of Tribological Characteristics of Copper- Titanium Alloys Processed by Multi Axial Cryo Forging" during the 2nd Virtual International Tribology Research Symposium (ITRS 2021), Organised by Sri Ramaswamy Memorial Easwari Engineering College, Ramapuram, Chennai from 8-10 December 2021.
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RECOGNITIONS– ACHIEVEMENTS- ACCOMPLISHMENTS- STAFF

Sl. No.	Details (Staff Name / Recognitions- Achievements- Accomplishments etc.)
1	Mr. Lingaraj K Ritti, Assistant Professor (Sr.), Department of Mechanical Engineering is recognized as Reviewer for Elsevier Materials Today: Proceedings. Reviewed one paper for the publication Since September 2021.
2	Mr. Manjunath S, Assistant Professor (Sr.), Department of Mechanical Engineering has got IAENG Membership in the Month of 30 August 2021 & 31 December 2021.
3	Dr. Raja Yateesh Yadav, Associate Professor, Department of Mechanical Engineering has got IAENG Membership in the Month of 6 September 2021.
4	Dr. Raja Yateesh Yadav, Associate Professor, Department of Mechanical Engineering is recognized as Reviewer for Elsevier Materials Today: Proceedings. Reviewed Ten papers for the publication since January 2021.
5	Dr. Raja Yateesh Yadav, Associate Professor, Department of Mechanical Engineering is recognized as Reviewer for Biennial International Conference on Hybrid and Electric Automotive Technologies 2021 (HEAT-2021) organized by PES University, Bengaluru on 29, 30 October 2021.
6	Dr. Sudarshan Rao K, Professor, Department of Mechanical Engineering is Recognised as Organizing Committee member of 2nd International Conference on Science, Engineering and Management, organized by Institute For Engineering Research and Publication (IFERP), held at Colombo Sri Lanka from 26 to 27 August 2021.
7	Dr. Sudarshan Rao K, Professor, Department of Mechanical Engineering is Recognised as Reviewer of papers for IEEE Bombay Section Signature Conference (IBSSC-2021), organized by IEEE Bombay Section and ABV-IIIITM Gwalior, India from 18 to 20 November 2021.
8	Dr. Sudarshan Rao K, Professor, Department of Mechanical Engineering is recognized as Reviewer for Elsevier Materials Today: Proceedings. Reviewed Total Five Papers for the publication from 1 st July 2021 to 30.06.2022.
9	Best Paper Award is conferred to Mr. Manjunath S, Assistant Professor, Department of Mechanical Engineering, SMVITM, Bantakal for the conference Paper titled "Performance and Emission Analysis of an IDI Diesel Engine with EGR" during the Virtual Two Day International Conference on Recent Trends in Mechanical Engineering Sciences (RTIMES- 2022) held at Srinivasa Institute of Technology, Valachil, Mangaluru from 10-11 June 2022.
10	Dr. Gajanan Anne, Associate Professor & HOD , Department of Mechanical Engineering is recognized as a Resource Person for the Talk on Technical Paper Writng Skill during the FDP on Recent Advancements in Outcome Based Education and Civil Engineering Industry "PRERANA-2022" Scheduled on 7 April 2022.
11	 <p>Dr. Madhukara Nayak, Assistant Professor (Sr.), Department of Mechanical Engineering , SMVITM, Bantakal has been Awarded with Ph.D for the thesis entitled , "An Analysis of Entrepreneurial Intention and Behaviour amongst Engineering Students in Costal Karnataka" under the guidance of Dr. Narasimha Marakala, Professor , NMAMIT, Nitte in the month of 10th March 2022.</p>


ACTIVITIES ATTENDED

Sl. No	Details about FDP/Workshop/Seminar/ Conference etc. Attended by the Faculty
1	Mr. Aditya Kudva S, Assistant Professor (Sr.), Department of Mechanical Engineering, SMVITM, Bantakal has Participated a Six Days Faculty Development Program on "OBE and Engineering Education Research" organised by Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, Udupi from 25 September 2021 to 07 October 2021.
2	Mr. Anantesha Rao K, Assistant Professor (Sr.), Department of Mechanical Engineering, SMVITM, Bantakal has Participated a Six Days Faculty Development Program on "OBE and Engineering Education Research" organised by Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, Udupi from 25 September 2021 to 07 October 2021.
3	Mr. Ananth Mohan Mallya, Assistant Professor (Sr.), Department of Mechanical Engineering, SMVITM, Bantakal has Participated a Six Days Faculty Development Program on "OBE and Engineering Education Research" organised by Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, Udupi from 25 September 2021 to 07 October 2021.
4	Mr. Ananth Mohan Mallya, Assistant Professor (Sr.), Department of Mechanical Engineering, SMVITM, Bantakal has attended a Five Days Online Elementary FDP on "Fostering Culture of Startup, Innovation & Entrepreneurship in Academic Institutions" organized by AICTE Training and Learning(ATAL) Academy , New Delhi at STEP - HBTI, Uttar Pradesh from 20 September 2021 to 24 September 2021.
5	Mr. Ananth Mohan Mallya, Assistant Professor (Sr.), Department of Mechanical Engineering, SMVITM, Bantakal has attended a Five Days Online Elementary FDP on "Buried Energy for Conservation and Energy Management" organised by AICTE Training and Learning (ATAL) Academy , New Delhi at Bhailalbhai & Bhikhabhai Institute of Technology, Gujarat from 20 September 2021 to 24 September 2021.
6	Mr. C Srikanth Bhat, Foreman, Department of Mechanical Engineering, SMVITM, Bantakal has attended a Three Day Staff Development Program Titled "Computer Hardware Technology" organised by Dept. of Computer Science Engineering, SMVITM, Bantakal in association with ISTE Faculty Chapter, SMVITM, Bantakal from 21.4.2022 to 23.04.2022.
7	Dr. Gajanan Anne, Associate Professor, Department of Mechanical Engineering, SMVITM, Bantakal has Participated a Six Days Faculty Development Program on "OBE and Engineering Education Research" organised by Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, Udupi from 25 September 2021 to 07 October 2021.
8	Dr. Gajanan Anne, Associate Professor, Department of Mechanical Engineering, SMVITM, Bantakal has attended Five days Faculty Development Program on "Electric Vehicle and Smart Grid" jointly organized by Department of Electronics & Communication Engineering and Department of Mechanical Engineering in association with ISTE Faculty Chapter of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, Udupi from 14th to 18th March 2022.
9	Mr. Lingaraj K Ritti, Assistant Professor (Sr.), Department of Mechanical Engineering, SMVITM, Bantakal has Participated a Six Days Faculty Development Program on "OBE and Engineering Education Research" organised by Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, Udupi from 25 September 2021 to 07 October 2021.
10	Mr. Lingaraj K Ritti, Assistant Professor (Sr.), Department of Mechanical Engineering, SMVITM, Bantakal has Attended the Online Training Program On software in COE in Visualization Engineering in association with ALTEM Technologies from 4 August to 19 August 2021.
11	Dr. Madhukara Nayak, Assistant Professor (Sr.), Department of Mechanical Engineering, SMVITM, Bantakal has Participated a Six Days Faculty Development Program on "OBE and Engineering Education Research" organised by Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, Udupi from 25 September 2021 to 07 October 2021.
12	Mr. Manjunath S, Assistant Professor (Sr.), Department of Mechanical Engineering, SMVITM, Bantakal has Participated a Six Days Faculty Development Program on "OBE and Engineering Education Research" organised by Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, Udupi from 25 September 2021 to 07 October 2021

13	Mr. Nagaraj Kalathooru, Lab Instructor (Sr.), Department of Mechanical Engineering, SMVITM, Bantakal has attended a Virtual Mode a Two Day Staff Skill Development Program Titled "Hands on Training on Fundamentals of Computer " organised by IQAC & Department of Science and Humanities, Sai Ram College of Engineering, Anekal, Bengaluru from 29.7.2021 to 30.07.2021.
14	Dr. Raja Yateesh Yadav, Associate Professor, Department of Mechanical Engineering, SMVITM, Bantakal has Participated a Six Days Faculty Development Program on "OBE and Engineering Education Research" organised by Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, Udupi from 25 September 2021 to 07 October 2021.
15	Dr. Raja Yateesh Yadav, Associate Professor, Department of Mechanical Engineering, SMVITM, Bantakal has participated and successfully completed Online One Week AICTE-VTU Joint Teachers Training Programme on "Universal Human Values - An Overview" Organised by VTU Human Resource Development Centre(VTU-HRDC), Centre for PG Studies, Muddenahalli, Chikkaballapur district from 02 to 06 March 2022.
16	Dr. Raja Yateesh Yadav, Associate Professor, Department of Mechanical Engineering, SMVITM, Bantakal has attended Five days Faculty Development Program on "Electric Vehicle and Smart Grid" jointly organized by Department of Electronics & Communication Engineering and Department of Mechanical Engineering in association with ISTE Faculty Chapter of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, Udupi from 14th to 18th March 2022.
17	Mr. Ravinarayan R Rao, Assistant Professor (Sr.), Department of Mechanical Engineering, SMVITM, Bantakal has Participated a Six Days Faculty Development Program on "OBE and Engineering Education Research" organised by Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, Udupi from 25 September 2021 to 07 October 2021.
18	Dr. Sudarshan Rao K, Professor & Dean, Department of Mechanical Engineering, SMVITM, Bantakal has attended an AICTE Training and Learning (ATAL) Academy Online Elementary FDP on Patent Drafting and Filing organized by Jerusalem College of Engineering, Chennai from 14.06.2021 to 18.06.2021.
19	Dr. Sudarshan Rao K, Professor & Dean, Department of Mechanical Engineering, SMVITM, Bantakal has successfully Complete the Three Months Online Course (January to March 2021) Organised by NITTTR, Bhopal On Accreditation for Under Graduate Engineering Programs" and awarded with Swayam Online Course Certificate during the examination held on 28.08.2021 with a consolidated score of 89%.
20	Dr. Sudarshan Rao K, Professor & Dean, Department of Mechanical Engineering, SMVITM, Bantakal has attended a Five Days Online Faculty Development Program on "Design Thinking for Excellence in OBE & Digital Learning" organised by VTU-HRDC, PG Center Muddenahalli, Chikkaballapur from 29 November 2021 to 03 December 2021.
21	Dr. Sudarshan Rao K, Professor & Dean, Department of Mechanical Engineering, SMVITM, Bantakal has attended a Five Days Online AICTE-VTU Joint Training Program for Teachers On "An Overview of Teaching Techniques in Innovation & Design Thinking" organized by Birla Institute of Technology, Mesra, Ranchi, Jharkhand from 06.12.2021 to 10.12.2021.
22	Dr. Sudarshan Rao K, Professor & Dean, Department of Mechanical Engineering, SMVITM, Bantakal has Delivered a talk on "Developing Reading Habits in Students" held at Shri Madhwa Vadiraja Institute of Technology & Management, Bantakal, Udupi on 13.12.2021.
23	Dr. Sudarshan Rao K, Professor & Dean, Department of Mechanical Engineering, SMVITM, Bantakal has attended Online One Week Short Term Training Programme through ICT Mode on MATLAB in Mechanical Engineering Applications organized by NITTTR Kolkata from 21st to 25th March 2022.
24	Mr. Sudhir, Assistant Professor (Sr.), Department of Mechanical Engineering, SMVITM, Bantakal has Participated a Six Days Faculty Development Program on "OBE and Engineering Education Research" organised by Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, Udupi from 25 September 2021 to 07 October 2021.
25	Mr. Manjunath S, Assistant Professor (Sr.), Department of Mechanical Engineering, SMVITM, Bantakal has attended a Five Days Faculty Development Program on "Electric Vehicle and Smart Grid" jointly organised by Department of Electronic and Communication Engineering & Department of Mechanical Engineering, Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, Udupi from 14 to 18 March 2022.
26	Mr. Manjunath S, Assistant Professor (Sr.), Department of Mechanical Engineering, SMVITM, Bantakal has participated in One Week Online Short Term Course On " Experimental and Numerical approaches to Two Phase Heat Transfer (ENTPHT-2021) organised by Department of Mechanical Engineering, NITK, Surathkal from 27 to 31 December 2021.

27	Mr. Lingaraj K Ritti, Assistant Professor (Sr.), Department of Mechanical Engineering, SMVITM, Bantakal has attended a Five Days Faculty Development Program on "PRERANA-2022" organised by Department of Civil Engineering, Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, Udupi from 07 to 11 April 2022.
28	Mr. Lingaraj K Ritti S, Assistant Professor (Sr.), Department of Mechanical Engineering, SMVITM, Bantakal has attended a Five Days Faculty Development Program on "Electric Vehicle and Smart Grid" jointly organised by Department of Electronic and Communication Engineering & Department of Mechanical Engineering, Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, Udupi from 14 to 18 March 2022.
29	Mr. Karthik V, Assistant Professor, Department of Mechanical Engineering, SMVITM, Bantakal has attended a Three Days Faculty Development Program on "Scientific Foundations of Health" jointly organised by Jyothy Institute of Technology, Bengaluru and Visvesvaraya Technological University, Belagavi at Jyothy Institute of Technology, Bengaluru from 09 to 11 May 2022.
30	Mr. Sudhir, Assistant Professor (Sr.), Department of Mechanical Engineering, SMVITM, Bantakal has attended a Five Days Faculty Development Program on "Electric Vehicle and Smart Grid" jointly organised by Department of Electronic and Communication Engineering & Department of Mechanical Engineering, Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, Udupi from 14 to 18 March 2022.
31	Dr. Madhukara Nayak, Assistant Professor (Sr.), Department of Mechanical Engineering, SMVITM, Bantakal has attended a Five Days Faculty Development Program on "Electric Vehicle and Smart Grid" jointly organised by Department of Electronic and Communication Engineering & Department of Mechanical Engineering, Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, Udupi from 14 to 18 March 2022.
32	Mr. Sudhir, Assistant Professor (Sr.), Department of Mechanical Engineering, SMVITM, Bantakal has participated and successfully completed One Week Online Training Program for Teachers on "An Overview of Teaching Techniques in Innovation & Design Thinking", jointly organised by AICTE and VTU, held at VTU Centre for Post Graduation Studies, Muddenahalli, Chikkaballapur from 6 to 10 December 2021.
33	Mr. Ananth Mohan Mallya, Assistant Professor (Sr.), Department of Mechanical Engineering, SMVITM, Bantakal has attended a Five Days Faculty Development Program on "Electric Vehicle and Smart Grid" jointly organised by Department of Electronic and Communication Engineering & Department of Mechanical Engineering, Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, Udupi from 14 to 18 March 2022.
34	Mr. Aditya Kudva S, Assistant Professor (Sr.), Department of Mechanical Engineering, SMVITM, Bantakal has attended a Five Days Faculty Development Program on "Electric Vehicle and Smart Grid" jointly organised by Department of Electronic and Communication Engineering & Department of Mechanical Engineering, Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, Udupi from 14 to 18 March 2022.

RECOGNITIONS- ACHIEVEMENTS- ACCOMPLISHMENTS- STUDENT

Sl. No.	Details (Student Name / Recognitions- Achievements- Accomplishments etc.)
1	The Team of Final Year B.E. Mech Student Mr. NANDANA S S (4MW18ME016) and Mr. SHOBITH HEGDE (4MW18ME024) have Participated and bagged 1st Prize in National Level Quiz Competition on "Smart Manufacturing and Industry 4.0", Organized by Central Manufacturing Technological Institute (CMTI), Bangalore held on 30 Nov 2021.
2	The Second Year B.E. Mech Student Mr. SUDEEP N R (4MW20ME011) & Team have Participated and bagged 2nd Prize in National Level Quiz Competition on "Smart Manufacturing and Industry 4.0", organized by Central Manufacturing Technological Institute (CMTI), Bangalore held on 30 Nov 2021.
3	The Third Year B.E. Mech Student Mr. Kiran bearing USN: 4MW19ME005 has participated and Won Bronze Medal on 29 th June 2022 during VTU Athletic Meet 2022 held at SJC Institute of Technology, Chickballapur from 27th to 30th June 2022.
4	 <p>The Final Year Students Project entitled "Development and Characteristics of PLA/Mg-Zn Biodegradable Implant Materials Using Sol-gel Technique", by AKSHAY K RAO (4MW18ME010), SURAJ ACHARYA (4MW18ME027), TUSHAR G SHENOY (4MW18ME028) was presented in the Technical Project Exhibition (Competition cum Exhibition) held at Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, Udupi on 29-06-2022, has been recognised as the Best Project.</p>

ONLINE/ OFFLINE COURSES ATTENDED/ COMPLETED BY STUDENT

Sl. No.	Details about Course Online/ Offline Completed by the Student
1	Mr. NIKHIL SHETTY (4MW18ME017), 4th Year Mechanical Engineering Student has awarded with NPTEL online course Certification for successfully completing the course "Introduction to Industry 4.0 and industrial Internet of Things" with a consolidated Score of 67% during the 12 weeks Course held from July- October 2021. (Roll No: NPTEL21CS66S23970234)
2	Mr. NIKHIL SHETTY (4MW18ME017), 4th Year Mechanical Engineering Student has awarded with NPTEL online course Certification for successfully completing the course "Introduction to Machine learning" with a consolidated Score of 51% during the 12 weeks Course held from July- October 2021. (Roll No: NPTEL21CS70S43970234)
3	Mr. NIKHIL SHETTY (4MW18ME017), 4th Year Mechanical Engineering Student has awarded with NPTEL online course Certification for successfully completing the course "Introduction to Machining and Machining Fluids" with a consolidated Score of 55% during the 8 weeks Course held from January- March 2021. (Roll No: NPTEL21ME57S11950172)
4	Mr. NIKHIL SHETTY (4MW18ME017), 4th Year Mechanical Engineering Student has awarded with NPTEL online course Certification for successfully completing the course "Introduction to Mechanical Micro Machining" with a consolidated Score of 55% during the 12 weeks Course held from January- March 2021. (Roll No: NPTEL21ME03S23980132)



Mr. Amish Sheregar,
B.E. Final Year, Mechanical
Engineering
Placed In Infosys Ltd.,
Bengaluru



Mr. Saurav V,
B.E. Final Year,
Mechanical Engineering
Placed In Skolar,
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