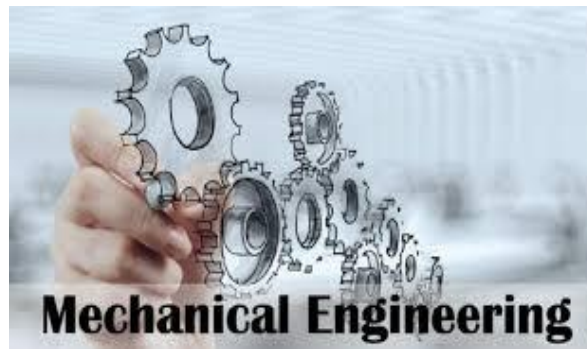


# **NEWS-LETTER - 2020-2021**



## Department of Mechanical Engineering

### HOD's Note:



***“Perfection is not Attainable, but if we chase Perfection we can catch Excellence”.***

I on behalf of the Mechanical Engineering department congratulate the efforts undertaken by for the release of the Departmental Newsletter. I congratulate the staff and students of the department for their excellent performance during ‘Covid pandemic effect’ over the last year. The mechanical engineering department is making a steady progress and gown in stature is committed to provide a sound academic ambience and make the students industry ready. Faculty members also continuously work for their professional development by attending faculty development programs and workshops.

Our department is well equipped with latest state of the advanced laboratories. All the laboratories are upgraded time to time as per the need of the curriculum and for practical exposure. Experienced and dedicated technical staff who takes special interest on training the students are our strength. Some of the main labs are Engineering Workshop, Machine Tools, Fluid mechanics, Hydraulics and Hydraulic machinery, Strength of Materials and Thermal Engineering etc

The department conducts various programs under the student’s association ‘TORQUE’ such as Workshops, Technical Training, Project-Expo, Guest Lectures and Seminar by the experts from Industry and Academic background for constant knowledge up-gradation of staff and students. We continue to play a leading role in our discipline which leads us towards to create an innovative and effective professional graduate community to take care of the societal needs. I congratulate **Mr. NeerajKurahatti** for the effort put in by collecting the necessary data for the Newsletter.

I extend my warm wishes to all budding Mechanical Engineers.

**Dr. Maheshwar C.Y**  
**H.O.D.**

## **Coordinator's Note:**



There are no secrets to success. It is the result of preparation, hard work and learning from failure. And we at Department of Mechanical Engineering present the amalgamation of hard work and dedication of students and contributions of teachers toward the departmental growth in the form of newsletter.

I would like to thank all my staff members for helping me pull this through.

On behalf of the editorial team I would like to thank our HOD, Dr. Maheshwar C.Y and all staff members for their Continual Support, Encouragement & Cooperation

**Prof. NeerajKurahatti**  
**Department Coordinator**

## **Vision of the Program**

Impart quality technical education for accomplishing academic excellence with relevant training to prepare professionals with proficiency, ethics and research culture to cater industrial and societal needs in mechanical engineering.

## **Mission of the Program**

M1-To provide relevant and appropriate learning ambience to accomplish technological and social needs.

M2 -To inculcate interdisciplinary and innovative activities for better career of students.

M3-Instill theoretical, practical, design and development skills essential for lifelong learning process with team spirit.

M4-Develop expertise, attitude and core competence of stakeholders by providing them a platform to showcase their diverse aptitude.

## **Programme Specific Outcomes (PSOs)**

PSO1-Apply basic and advanced mechanical engineering concepts for designing and manufacturing of various components.

PSO2-Exhibit technical proficiency in determining the sustainability standards and in analyzing the performance of different energy conversion systems.

## **Programme Education Objectives (PEOs)**

PEO1-Provide quality undergraduate education for students entering the mechanical engineering profession or seeking career in related fields.

PEO2-Graduates exhibits skill to apply knowledge of Mechanical engineering with multidisciplinary approach to resolve real life problems.

PEO3 Graduates demonstrate lifelong learning and ethical practices in fulfilling technological, societal and environmental requirements.

PEO4 Graduates develop problem solving skills using analytical abilities, effective communication and team work.

PEO5 Graduates recognize need for continuous learning and prepare appropriately for all around development throughout the professional career.

## **Department Events**

### **Special Lecturer on 'Solar Water Heaters'**

An Industrial expert talk on "Solar Water Heaters" by Mr. Mahindra K.Hullur for Mechanical Engineering students of GIT Belagavi and SKSVMACET Lakshmeshwar on 30-12-2020 through Microsoft team app. Number of students attended is 34

### **Special Lecturer on 'Importance of German language for Mechanical Engineers '**

A talk on "Introduction to German language" is arranged by Training & Placement Cell, SKSVMACET Lakshmeshwar in association with German TreffpunktHubli

Guest Speakers - Mrs. Vijaylakshmi Holennavar and Mrs. Vidya Nadiger

Target Audience - Any interested students of SKSVMACET, Lakshmeshwar, Points covered

- Emphasis on spoken skills.
- Advice on choice of course and Universities in Germany.
- Globally recognised certificates from Goethe institute/ Max Mueller Bhavan.
- Preparation for life in Germany and Career advancement.

Event Coordinator: Mr. Mahindra K. Hullur, Number of students attended: 56, Platform Used: MS Team

### **ELEATION's On-campus Placement process for the batch of 2020-21**

Points discussed

- About ELEATION Company
- What is CAE?
- Difference Between CAD and CAE
- Why to learn CAE software?
- Key Features of ELEATION's HyperWorks Basic To Professional Training Program.
- ELEATION's On-campus Placement process
- How to register for On-campus Placement process



- How to give Online Pre-placement test
- How to start Online training of ELEATION's HyperWorks Basic To Professional training Program.

### **Technical Talk from Senior student.**

Laxshmish Mensianakai (2015 batch) working in ToyotaGroups Bidadi, Bangalore discussed about the best quality practices in the organization. He detailed about the waste management, material handling and organization culture at Toyota. He briefed about the importance of **5-S, 3-M, 7 waste** and **Time management** which form the building blocks for the quality revolution at Toyota. Number of students attended offline is 10 and online 35.



*Laxshmish Mensianakaidiscussing withmechanical students*

### **Donation of self-made Sanitizing Stands in KSRTC bustand:**

COVID-19 pandemic situation, traveling to various stations through bus facilities and reaching the destination. Traveling safely is very important, so we from Department of Mechanical Engineering decided to give a foot operated hand sanitizing Machine to our Lakshmeshwar Bus Stand, the “Foot Operated Hand Sanitizing” machine was fabricated in-house at Mechanical department work shop. The project was designed by Prof. Prashant A. Mulimani and Prof. C.M Kaggalgowdar at Mechanical Engineering Department. He designed and fabricated the whole project with a very minimal cost using all the waste materials like, PUC pipes, 2mm string etc, so that even in future if any more orders are received we can serve the society., Krishna. Jamakandi. Annigeri, ManjunathUmachagi, PraveenBhuvanagoudar, Narendra.D. Prof.Prashant A. Mulimani, Prof.S.C.Kerimani& Prof.C.M.Kaggalagowda were present



*Donating Sanitizing stand at KSRTC Bus stand,Laxmeshwar*

### Webinar on 'Future Challenges and Opportunities in Mechanical Engineering'

Special Webinar was conducted by Mr. Manjunath Burli, MD, NOVA GLOBAL, Bangalore Karnataka, 09-01-2021. The objective of the webinar was to provide the information about job opportunities for fresh mechanical engineering graduates and business opportunities for new entrepreneurs. Event gave an insight of various job opportunities in India and abroad. Resource person informed about preparation required at the student's level to reach the heights in their career. Event was coordinated by Dr. Prasanna Raravi and Event was organized by Mr. Prashant Mulimani. About 120 members attended the Webinar.

SKSVMA Charitable Trust (Regd.)  
**Smt. Kamala & Sri Venkappa M. Agadi**  
College of Engineering & Technology,  
Lakshmeshwar - 582 116, Dist. Gadag.  
www.agadiengcollege.com  
(Approved by AICTE, New Delhi & Affiliated to VTU Belagavi. ISO 9001:2015 Certified)

Department of Mechanical Engineering  
LIVE WEBINAR ON  
"FUTURE CHALLENGES AND OPPORTUNITIES IN  
MECHANICAL ENGINEERING"



Resource Person:  
**Mr. Manjunath Burli**  
MD, NOVA GLOBAL  
Bangalore Karnataka.  
<http://www.nova-glocal.in/>

Link for Registration: <https://forms.gle/WKLNNubcSwsQ7HQs6>

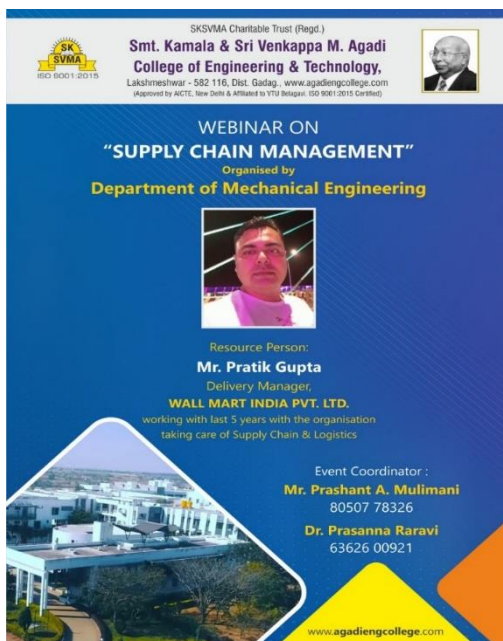
Date	Saturday at	Microsoft Team
09-01-2021	10.30 am	Platform

Event Coordinator :  
**Dr. Prasanna Raravi**  
63626 00921

Event Organizer :  
**Mr. Prashant A. Mulimani**  
80507 78326

### Webinar on 'Supply Chain Management & Logistics'

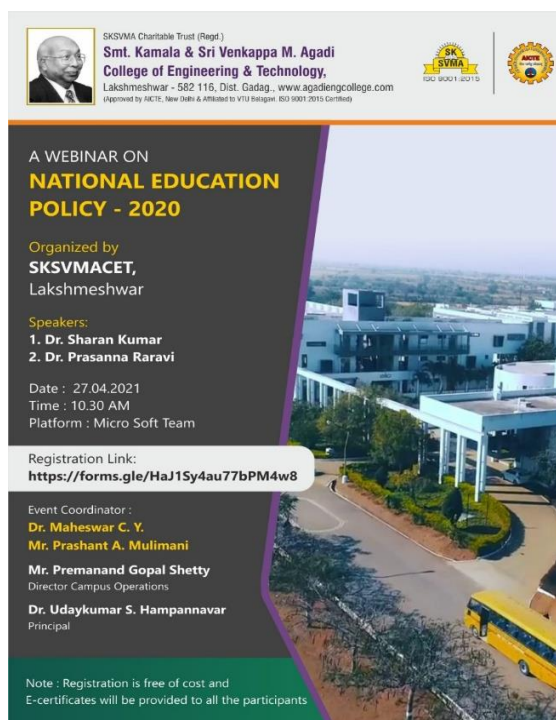
Special Webinar was given by Mr. Pratik, Delivery Manager Walmart India Pvt.Ltd, on 19/07/2021. He delivered the talk and touched various points with respect to Supply Chain Management, SCM logistics, plan, source of raw material & supply, logistic field, procurement, 7 R from Chartered Institute of Logistics & Transport UK (2019). Department HODs from branches Mechanical, Civil, Computer Science, Electrical and Electronics engineering and about 120 students attended the webinar and got benefit. Students and faculty had long interaction with the resource person. The webinar was completed followed by Question and Answers. Event was coordinated by Dr. Prasanna Raravi and Event was organized by Mr. Prashant Mulimani.



### Webinar on National Education Policy

A webinar was organized on “National Educational Policy (NEP)-2020” on 27/4/21. The webinar highlighted the significance and relevance of NEP in the current educational scenario. Prof. Prashant Mulimani welcomed the participants; a total of 128 participants attended the webinar. Dr. Prasanna Raravi and Dr. Sharan Kumar were the resource persons for the webinar and Dr. Maheshwar C Y was the main co-ordinator and Prof. Prashant Mulimani was the co-ordinator.

Dr. Prasanna Raravi and Dr. Sharan Kumar highlighted the nature and scope of NEP and benefits of implementation of the same. The need of NEP was discussed taken into consideration the current education scenario across the nation. The participants were benefited from the webinar as NEP was a new concept and it helped them in improving their understanding on the same. Dr. Maheshwar C Y delivered the vote of thanks, and whole heartedly thanked everyone who made the event a grand success.



### Workshops/FDP/Conference/Webinar- Conducted/Attended

1. Dr.Devendra attended Webinar on Fundamentals of CFD organized by School of Mechanical Engineering Sathyabama Institute of Science and Technology, Chennai in association with SKILL LYNC on 1<sup>st</sup> and 2<sup>nd</sup> June 2020
2. Dr.Devendra attended Webinar on Webinar on New Product Development organized by School of Mechanical Engineering REVA University held on 20<sup>th</sup> June, 2020 at REVA University, Bengaluru
3. Dr.Devendra attended Webinar on Webinar on Electronics For Engine Control organized by Department of Mechanical Engineering, City Engineering College, Bengaluru and Wulkin Motorcycles on 22<sup>nd</sup> June, 2020 at City Engineering College, Bengaluru .
4. Dr.Devendra attended five day faculty development program on Recent Advances In Smart Materials For Sensors And Energy Applications organised by BMS institute of technology and management from 6<sup>th</sup> to 10<sup>th</sup> July 2020
5. Dr.Devendra Presented a webinar on Advances In Heat Transfer Enhancement through webinar conducted in the month of Dec 2020
6. Dr.Devendra Presented the research paper at the third International Conference On Trends In Material Science And Inventive Materials ( ICTMIM 2021) organised by JCT College of Engineering and Technology, Coimbatore during 12-13 march 2021
7. Mr. S. M.Patil attended a FDP on Emerging Engineering Materials organized by BITM, Ballari
8. Mr. S. M.Patil attended a FDP on Refrigerants Progression – Environmental Concerns organized by QISCET Ongole (A.P.)
9. Mr. S. M. Patil attended a FDP on NBA and NAAC Accreditation Process (certificate) organized by MSRIT B'lore
10. Mr. S. M.Patil attended a FDP on Multi objective optimization for Mechanical Engineering Applications organized by QISCET Ongole (A.P.)
11. Mr. S. M. Patil attended a FDP on Applications of Artificial Intelligence and Machine Learning in Mechanical Engineering organized by KITCE, Kolhapur
12. Mr. S. M. Patil attended a FDP on Fundamentals of Finite Element Analysis and its Applications in Engineering (STTP) organized by PIT, Varadharajapuram, Chennai
13. Mr. S. M. Patil attended a FDP on Recent Advancements in Materials & Manufacturing (STTP) organized by GZSCCET MRSPTU, Bathinda from 25<sup>th</sup> to 30<sup>th</sup> Jan 2021



14. Mr. S. M. Patil attended a FDP on Enhancing Research Capabilities and Technical Education organized by GZSCCET MRSPTU, Bathinda from 8<sup>th</sup> to 13<sup>th</sup> Feb 2021
15. Mr. S. M. Patil attended a Webinar on Innovation & Intellectual Property Rights (IPR) organized by SKSVMACET, Lakshmeshwar on 04/06/2020
16. Mr. S. M. Patil attended a Webinar on Microsensors & Instrumentation organized by NHCE B'lore on 11/6/2020
17. Mr. S. M. Patil attended a Webinar on Additive Manufacturing for bioimplant manufacturing and its challenges organized by Arasu Engineering College, Kumbakonam on 13/06/2020
18. Dr M S Tattimani attended One week Orientation/refresher Programme on "Thermal Engineering" (AICTE & ISTE approved) from 17 to 23 February 2021, organized by Department of Mechanical Engineering, Kalpatru Institute of Technology, Tiptur, Karnataka.
19. Dr M S Tattimani attended One week STTP on "Fundamentals of Finite Element Analysis and its Applications in Engineering" (AICTE approved) from 15 to 20 February 2021, organized by Department of Mechanical Engineering, Panimalar Institute of Technology, Chennai.
20. Dr M S Tattimani attended One week STTP on "Enhancing Research Capabilities and Technical Education" (AICTE & MRSPTU approved) from 8 to 13 February 2021, Department of Mechanical Engineering, GZSCCET-MRSPTU, Bathinda.
21. Dr M S Tattimani attended One week STTP on "Recent Advancements in Materials and Manufacturing", (AICTE approved) Department of Mechanical Engineering, GZSCCET MRSTPU, Bathinda from 25<sup>th</sup> January to 30<sup>th</sup> January 2021.
22. Dr M S Tattimani attended One week FDP on "Application of Artificial Intelligence and Machine Learning in Mechanical Engineering", (AICTE approved) Department of Mechanical Engineering, KIT's College of Engineering and Technology, Kolhapur, from 12<sup>th</sup> January to 16<sup>th</sup> January 2021.
23. Dr M S Tattimani attended One week STTP on "Advanced Manufacturing Techniques for Medical and Precision Engineering", (AICTE approved) Department of Mechanical Engineering, MVJ College of Engineering, Bangalore, from 4<sup>th</sup> January to 9<sup>th</sup> January 2021.
24. Dr M S Tattimani attended Two weeks AICTE Sponsored FDP on "Renewable Energy Intervention in Industry, Commercial and Domestic Application", Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal, Andhra Pradesh, from 14<sup>th</sup> -26<sup>th</sup> December 2020.
25. Dr M S Tattimani attended Six days AICTE Sponsored STTP on "Developing Research and Development Culture in Industry Institute Interaction Orientated Modern Teaching Learning and Project Based Learning", Francis Xavier Engineering College, Tirunelveli, from 14<sup>th</sup> -19<sup>th</sup> September 2020.
26. Dr M S Tattimani attended Six days AICTE AQIS Sponsored STTP on "Advances in Additives Manufacturing", Yeshwantrao Chavan College of Engineering, Nagpur, from 24<sup>th</sup> -29<sup>th</sup> August 2020.
27. Dr M S Tattimani attended Seven days National level e-FDP & Expert's Class on "New Narrative of NAAC", RR Institute of Advanced Studies, Bangalore, from 1<sup>st</sup> – 07<sup>th</sup> August 2020.
28. Dr M S Tattimani attended One week FDP on "Quality Control and Safety in Polymer and Allied Industries", SJCE, Mysuru, from 27<sup>th</sup> to 31<sup>st</sup> July 2020.
29. Dr M S Tattimani attended One week FDP on "Recent Research Developments in Materials engineering and Mechanical design", VIT, Vishnupur, Andhra Pradesh, from 21<sup>st</sup> -25<sup>th</sup> July 2020.
30. Dr M S Tattimani attended Six days AICTE Sponsored STTP on "Smart Manufacturing- Opportunities and Challenges", St. Joseph's College of Engineering, Chennai, from 13<sup>th</sup> -18<sup>th</sup> July 2020.
31. Dr M S Tattimani attended One week FDP on "Recent Developments in Mechanical Engineering", KITS, Warangal, from 7<sup>th</sup> to 11<sup>th</sup> July 2020.

32. Dr M S Tattimani attended One week FDP on “Technological advancements in Mechanical Engineering-TAME-2020”, Department of Mechanical Engineering, Balaji Institute of Technology and Science, Lakenapally, Telangana, from 29th June to 3rd July 2020.
33. Dr M S Tattimani attended One week FDP on “Recent trends in Mechanical Engineering”, Narasimha Reddy college of Engineering and Technology, Telangana, from 22nd June to 26th June 2020.
34. Dr M S Tattimani attended One week FDP on “Future Materials: Nanocomposites”, Department of Mechanical Engineering, Bharati Vidyapeeth College of Engineering, Pune, from 15-21st June 2020.
35. Dr M S Tattimani attended One week FDP on “Advance Research Methodology and Innovative Teaching Pedagogy”, Tulsiramji Gaikwad Patil college of Engineering and Technology, Nagpur in association with The Institution of Engineers (India), Indian Society for Technical Education, from 8-13th June 2020.
36. Dr M S Tattimani attended One week FDP on “NBA and NAAC accreditation process”, IQAC M.S.Ramaiah Institute of Technology under AICTE Margdarshan scheme, from 4-8th June 2020.
37. Dr M S Tattimani attended Five day FDP on “Evolution from Offline to Online Teaching”, from 30th May – 3rd June 2020, SPDC, Thane.
38. Dr M S Tattimani attended One day International Webinar on “Material Science and Importance of Developing Composite Materials” on 21<sup>st</sup> August 2020, Department of Science and Humanities, Sreenivasa Institute of Technology and Management Studies, Chittoor, AP.
39. Dr M S Tattimani attended One day Webinar, “How to Draft and File A Patent Application: Your First Step to Protection” on 27<sup>th</sup> July 2020.
40. Dr M S Tattimani attended One day Virtual Workshop on “Additive Manufacturing”, Department of Mechanical Engineering in association with Mcube 3D Printing Pvt. Ltd on 25<sup>th</sup> July 2020.
41. Dr M S Tattimani attended One day Webinar, “Development and Prospects of Energy Engineering” Department of Mechanical Engineering, SVCE, Bengaluru on 18<sup>th</sup> July 2020.
42. Dr M S Tattimani attended One day Webinar, “Welding Technology in Automobile Industry” Anand International College of Engineering, Jaipur on 9<sup>th</sup> July 2020.
43. Dr M S Tattimani attended One day Webinar, “Research is Everyone’s Responsibility”, Department of Mechanical Engineering, T.J.S. Engineering College on 4<sup>th</sup> July 2020.
44. Dr M S Tattimani attended One day Webinar, “Entrepreneurship Ecosystem”, GMIT R&D Center, GM Institute of Technology, Davangere on 27<sup>th</sup> June 2020.
45. Dr M S Tattimani attended One day Webinar, “Industrial Internet of Things”, Department of Mechanical Engineering, Angadi Institute of Technology and Management, Belagavi, on 25<sup>th</sup> June 2020.
46. Dr M S Tattimani attended One day Webinar, “Refrigeration in Engineering Applications”, Department of Mechanical Engineering, Vidyavardhaka College of Engineering, Mysuru on 22<sup>nd</sup> June 2020.
47. Dr M S Tattimani attended One day Webinar, “Scope in Administrative jobs after Engineering”, Department of Mechanical Engineering, NHSM Knowledge Campus, Durgapur on 21<sup>st</sup> June 2020.
48. Dr M S Tattimani attended One day Webinar, “Overview of Intellectual Property Rights”, Youth Forum Forum, on 10<sup>th</sup> June 2020.
49. Dr M S Tattimani attended One day Webinar, “Advanced Digital Content Creation Tools and Techniques for Education”, Department of Electronics and Telecommunication, AISSMS COE, Pune on 31<sup>st</sup> June 2020.
50. Dr Maheshwar attended One week FDP on “Thermal Engineering” (AICTE approved) from 17 to 23 February 2021, Kalpataru Institute of Technology, Tumkur, Karnataka.
51. Dr Maheshwar attended One week STTP on "Enhancing Research Capabilities and Technical Education" (AICTE & MRSPTU

approved) from 8 to 13 February 2021, Department of Mechanical Engineering, GZSCCET-MRSPTU, Bathinda.

52. Dr Maheshwar attended One week STTP on “Recent Advancements in Materials and Manufacturing”, (AICTE approved) Department of Mechanical Engineering, GZSCCET MRSTPU, Bathinda from 25<sup>th</sup> January to 30<sup>th</sup> January 2021.
53. Dr Maheshwar attended One week FDP on “Application of Artificial Intelligence and Machine Learning in Mechanical Engineering”, (AICTE approved) Department of Mechanical Engineering, KIT’s College of Engineering and Technology, Kolhapur, from 12<sup>th</sup> January to 16<sup>th</sup> January 2021.
54. Dr Maheshwar attended One week STTP on “Advanced Manufacturing Techniques for Medical and Precision Engineering”, (AICTE approved) Department of Mechanical Engineering, MVJ College of Engineering from 4<sup>th</sup> January to 9<sup>th</sup> January 2021.
55. Dr Maheshwar attended Two week FDP on “Renewable Energy Intervention in Industry, Commercial and Domestic Application”, (AICTE approved) Department of Mechanical Engineering, Rajiv Gandhi Memorial College of Engineering and Technology, Nandyal, from 14<sup>th</sup> December to 26<sup>th</sup> December 2020.
56. Dr Maheshwar attended One week STTP on “Teaching Learning Pedagogies”, (AICTE approved) Department of Mechanical Engineering, A.G.Patil Polytechnic Institute, Solapur from 7<sup>th</sup> September to 12<sup>th</sup> September 2020.
57. Dr Maheshwar attended One week FDP on “Nano hybrid Composite Materials Characteristics and Applications”, Department of Mechanical Engineering, VNR VignanaJyothi Institute of Engineering and Technology, Hyderabad from 24<sup>th</sup> August to 28<sup>th</sup> August 2020.
58. Dr Maheshwar attended One week FDP on “New Narrative of NAAC”, Department of Mechanical Engineering, R.R. Institute of Advanced Studies, Bengaluru from 1<sup>st</sup> August to 7<sup>th</sup> August 2020.
59. Dr Maheshwar attended One week FDP on “Recent Advances and Trends in Mechanical Engineering and Material Science”, Department of Mechanical Engineering, KSIT, Bengaluru from 27<sup>th</sup> July to 31<sup>st</sup> July 2020.
60. Dr Maheshwar attended Five Days FDP on “Advances and Research in Mechanical Engineering”, Department of Mechanical Engineering, KSSEM, Bengaluru from 20<sup>th</sup> July to 24<sup>th</sup> July 2020.
61. Dr Maheshwar attended One week FDP on “Recent Trends in Management”, Department of Management Studies, GATES institute of Technology, Gooty, Anantapuram, from 13<sup>th</sup> July to 19<sup>th</sup> July 2020.
62. Dr Maheshwar attended One week FDP on “Trends in Energy Conservation Technologies”, Department of Mechanical Engineering, Vidyavardhaka College of Engineering, Mysuru from 6<sup>th</sup> July to 11<sup>th</sup> July 2020.
63. Dr Maheshwar attended One week FDP on “Technological advancements in Mechanical Engineering-TAME-2020”, Department of Mechanical Engineering, Balaji Institute of Technology and Science, Lakenapally, Telangana from 29<sup>th</sup> June to 3rd July 2020.
64. Dr Maheshwar attended One week FDP on “Recent trends in Mechanical Engineering”, Narasimha Reddy college of Engineering and Technology, Telangana, from 22nd June to 26<sup>th</sup> June 2020.
65. Dr Maheshwar attended One week FDP on “Advance Research Methodology and Innovative Teaching Pedagogy”, Tulsiramji Gaikwad Patil college of Engineering and Technology, Nagpur in association with The Institution of Engineers (India), Indian Society for Technical Education, from 8-13<sup>th</sup> June 2020.
66. Dr Maheshwar attended One week FDP on “NBA and NAAC accreditation process”, (AICTE Approved) IQAC M.S.Ramaiah Institute of Technology, 4-8<sup>th</sup> June 2020.
67. Dr Maheshwar attended One day International Webinar on “Material Science and Importance of Developing Composite Materials” on 21<sup>st</sup> August 2020, Department of Science and Humanities, Sreenivasa Institute of Technology and Management Studies, Chittoor, AP.

68. Dr Maheshwar attended One day Webinar, "How to Draft and File A Patent Application: Your First Step to Protection" on 27<sup>th</sup> July 2020.
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72. Dr Maheshwar attended One day Webinar, "Research is Everyone's Responsibility", Department of Mechanical Engineering, T.J.S. Engineering College on 4<sup>th</sup> July 2020.
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75. Dr Maheshwar attended One day Webinar, "Refrigeration in Engineering Applications", Department of Mechanical Engineering, Vidyavardhaka College of Engineering, Mysuru on 22<sup>nd</sup> June 2020.
76. Dr Maheshwar attended One day Webinar, "Scope in Administrative jobs after Engineering", Department of Mechanical Engineering, NHSM Knowledge Campus, Durgapur on 21<sup>st</sup> June 2020.
77. Dr Maheshwar attended One day Webinar, "Overview of Intellectual Property Rights", Youth Forum Forum, on 10<sup>th</sup> June 2020.
78. Dr Maheshwar attended One day Webinar, "Advanced Digital Content Creation Tools and Techniques for Education", Department of Electronics and Telecommunication, AISSMS COE, Pune on 31<sup>st</sup> June 2020.
79. MrC.M.Kaggalagowdar attended One Week STTP on "Advanced Manufacturing Techniques for Medical and Precision Engineering", on 4<sup>th</sup> Jan to 9<sup>th</sup> Jan 2021 (AICTE approved) Department of Mechanical Engineering, MVJ College of Engineering, Bangalore.
80. MrC.M.Kaggalagowdar attended One Week Programme on "Research Proposal Writing and Opportunities in the field of Science, Engineering and Management", from 6<sup>th</sup> July to 11<sup>th</sup> July 2020. Organised by R&D Centre –BIT
81. MrC.M.Kaggalagowdar attended Five Days Programme on "Six Sigma" held from 6<sup>th</sup> July to 10<sup>th</sup> July 2020. Organized by Internal Quality Assurance Cell (IQAC) and Department of Electronics and Instrumentation Engineering Basaveshwar Engineering College (Autonomous), Bagalkot, Karnataka, India
82. MrC.M.Kaggalagowdar attended Five Days Programme "Advanced Materials Technology" Organized by Dept. of Mech. Engg. Malnad College of Engineering, Hassan held on 1<sup>st</sup> July to 5<sup>th</sup> July 2020.
83. MrC.M.Kaggalagowdar attended One Week Program on "Technological Advancement in Mechanical Engineering, TAME-2020" Organized by Dept., of Mech, Engg, of Balaji Institute of Technology & Science, Narasampet, Warangal dt, Telangana state, from 29<sup>th</sup> June 2020 to 3<sup>rd</sup> July 2020.
84. MrC.M.Kaggalagowdar attended Six Days Program on "Advance Trends in Mechanical Engineering." Jointly organized by Dept. of Mech. Engg University College of Engineering (A), Osmania University and Lords Institute of Engineering and Technology, Hyderabad during 22<sup>nd</sup> June to 27<sup>th</sup> June 2020.



85. MrC.M.Kaggalagowdar attended Three days Program on “Advance Machining Process.” Organized by Dept. of Mech, Engg, PES Institute of Technology and Management. On 17th June 2020 to 19th June 2020.
86. MrC.M.Kaggalagowdar attended Five days Program on “COMPOSITE MATERIALS AND STRUCTURES” .Organized by Department of Mechanical Engineering, Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal, AP, from 15<sup>th</sup> June to 19<sup>th</sup> June 2020.
87. MrC.M.Kaggalagowdar attended Three days Program on “Recent advances in Computing Techniques in Mechanical Engineering”, organized by the Department of Mechanical Engineering at Sir m Visvesvaraya Institute of technology Bengaluru from 11<sup>th</sup> June to 13<sup>th</sup> June 2020.
88. MrC.M.Kaggalagowdar attended Five days Program on “ Multi Objective Optimization for Mechanical Engineering Applications” organized by the Department of Mechanical Engineering from 8<sup>th</sup> June to 12<sup>th</sup> June 2020, QIS College of Engineering and Technology Ongole. Andhra Pradesh.
89. MrC.M.Kaggalagowdar attended Five days Program “Emerging Engineering Materials” Organized by Department of Mechanical Engineering in associations with ISME from 1<sup>st</sup> to 5<sup>th</sup> June 2020, Ballari Institute of Technology & Management Ballari.
90. Dr .Devendra K attended webinar on “Research in metal and manufacturing and funding project proposal” organized by Vijay Vittal Institute of Technology, Bangalore on 05-03-2021
91. Mr. SrikantgoudaPatil attended webinar on Research Writing article organized by Department of Mechanical & Automobile Engineering ,ofArasu Engineering college, Kumbakonam, ThanjavurDist , Tamil Nadu
92. Mr.C.M.Kaggalagowdarattended webinar on “Secrets in your Handwriting” organized by Department of mechanical Engineering , SKSVMACET Laxmeshwar on 15/5/2021
93. Mr.C.M.Kaggalagowdar attended webinar on “Research in Metals and Maufacturing and Funding Project Proposals” organized by Department of mechanical Engineering ,Vijay Vitttal institute of technology ,Bangalore on 05-03-2021
94. Mr.C.M.Kaggalagowdar attended webinar onGEOMETRIC DIMENSIONING & TOLERENCING( GD&T) organized by Department of Mechanical Engineering , KSGB'S College of Engineering Kegaon Solapur on 05-03-2021
95. Mr.C.M.Kaggalagowdar attended webinar on “ Research writing article“ organized by Department of Mechanical & Automobile Engineering ,of Arasu Engineering college, Kumbakonam, ThanjavurDist , Tamil Nadu on 18/5/2021
96. Mr.C.M.Kaggalagowdar attended webinar on “Cyber Hacking and Security” organized by Department of Computer Science & Engineering Mandsaur University on 22/5/2021
97. Mr.C.M.Kaggalagowdar attended webinar on “Application of Heat in Automotive and Mechanical Systems” .organized by Department of Mechanical Engineering and Automobile Engineering ,Arasu Engineering College, KumbaKonam .organized by on 22/5/2021
98. DrPrasannararaviattended FDP on “MODERN TRENDS IN ENGINEERING TECHNOLOGY” organized by HKBK COLLEGE OF ENGINEERING from 4-6-21 to 9-6-21
99. DrPrasannararavi attended FDP on One week AICTE-ISTE sponsored Induction /Refresher programme phase -3(online) on "Accreditation: An Accelerator for Quality Improvement in Engineering Education" from 22-4-21 to 28-4-21
100. Prashant A Mulimani attended webinar on Research in metal and manufacturing and funding project proposal organized by Vijay Vittal Institute of Technology, Bangalore on 05-03-2021
101. Dr.SureshBujari attended FDP on “National Education Policy” organized by Department of mechanical Engineering , SKSVMACET Laxmeshwar on 21-05-2021
102. Dr. Suresh Bujari participated in webinar on ““Metal Additive Manufacturing” Organized by the Department of Mechanical Engineering, on 18th December 2020
103. Dr. Suresh Bujari participated in 02 day FDP on “Additive Manufacturing” at Dikalp research institute and management, Neral, Raighad on 25th and 26th May 2020

104. Dr. Suresh Bujari participated in 10 day FDP on “Faculty improvement programme” at prerarana college of commerce, Nagpur dated 11-5-2020 to 20-5-2020
105. Dr. Suresh Bujari participated in national level webinar on “Mechatronics System Design” organized by VDRIT, Hliyal on 2nd July 2020
106. Dr. Suresh Bujari participated in online training program on “Publishing research articles” organized SGBIT, Belagavi in collaboration with Knibus private limited on 25th June 2020
107. Dr. Suresh Bujari participated in webinar on “Product development companies and opportunities in India” Chennai institute of technology, Chennai on 28-5-2020
108. Dr. Suresh Bujari participated in webinar on “ Car Air Conditioning’ organized by Girijabai Sail institute of technology, Karwar, on 19th July 2020
109. Dr. Suresh Bujari participated in webinar on “Finite Element Analysis and MATLAB” organized by TCE, Gadag, on 17-07-2020
110. Dr. Suresh Bujari participated in webinar on “How to conduct online teaching learning in Covid Times” organized by Univesity of Delhi on 22nd July 2020
111. Dr. Suresh Bujari participated in 5days webinar on “3D printing” organized by Wulkin Motors, Bangalore from 26th to 31st July 2020
112. Mr. ShrikantBadi attended One week FDP on “NBA and NAAC accreditation process”, IQAC M.S.Ramaiah Institute of Technology under AICTE Margdarshan scheme, from 4-8th June 2020.
113. Mr. ShrikantBadi attended Five days Program on “ Multi Objective Optimization for Mechanical Engineering Applications” organized by the Department of Mechanical Engineering from 8th June to 12th June 2020, QIS College of Engineering and Technology Ongole. Andhra Pradesh.

## **Student Best Project**

**Project Title** Recovery of Marine Oil Spillage

**Name Of The Guide** Dr.Maheswar C Y

**Project Members** Mr. NiyazahmadKaradagi , Mr. ShahidafrideSavanur, Mr. Sunil Kulakarni, Mr. Sunilkumar Y Patil

The wastage in the form spillage is a major concern during the transportation by waterways (marine). the spillage of crude oil, oily refuse or waste oil. this spillage results in environmental pollution affecting the marine life. the objective was to reduce the spillage by designing an appropriate system which mainly consisted of sponge, battery, regulator and synchronous motor. by designing an appropriate model it was possible to reduce them losses due to spillage and reduce the impact on environment at large.

**Project title:** Hybrid Electric Bicycle

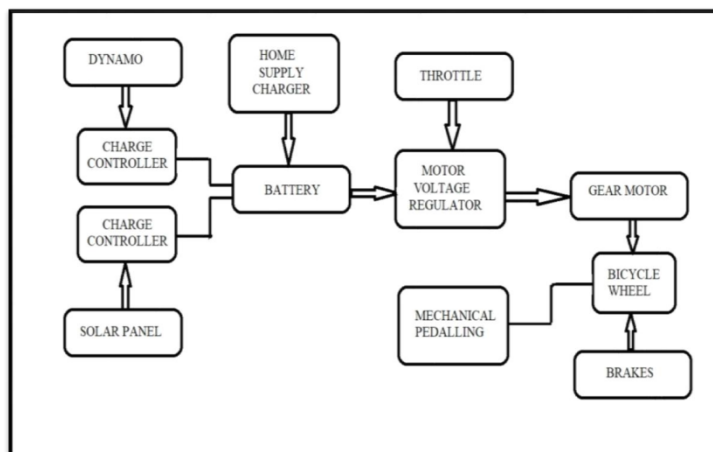
**Name of the Guide:** Prof S. M.Patil

**Project Members :** Abhishek Talikoti , BasavarajGaniger , Praveen Harti , ShreerangPawar

Solar Electrical Bicycle (SEB) have attracted considerable attention because of the necessity developing alternative methods to generate energy for bicycle. The parallel control problem involves the determination of the time profiles of the power flows from solar panel and electric motor. This is also referred to as the power split between the conventional and the electric sources. The objective of SEB control is in fact to find out the sequence of optimal power splits at each instant of time minimizes the man power over a given driving schedule. Big obstacles to control a design are the model complexity and the necessity from before knowledge of torque and velocity profiles. The Solar powered electric bicycle system that involves three different ways of charging battery: Solar power,

Dynamo, Electric energy. The aim of the Solar Electrical Bicycle to save human energy and utilization of conventional energy source like solar energy. For this we need bicycle, motor, dynamo, battery, solar panel, other connecting equipment. In this an overview of SEB is presented. The estimated cost of project work was Rs. 25,000/- and sanctioned amount nil.

#### **Block Diagram of Project Work:**



#### **Accomplishments:**

1. Dr M S TattimaniPublished a patent on ‘Novel Approach of Design of Multi-Spindle Drilling Machine’.
2. Dr M S TattimaniNominated as Member of The Minerals, Metals and Materials Society (TMS).
3. Dr M S TattimaniNominated as Technical Committee Member for Institute for Engineering Research and Publication (IFERP), Karnataka Chapter.
4. Dr M S TattimaniNominated as Member of the Minerals, Metals and Materials Society (TMS).
5. Dr M S TattimaniNominated as Reviewer for Materials Today: Proceedings - Journal Elsevier.
6. Dr Maheshwar - Nominated as Reviewer for Industrial management and Data Systems- Emerald Insight
7. Mr.Chandrashekargouda.M.K. completed successfully Pre- Ph.D. Comprehensive viva –voce in the month of Feb 2021.
8. Mr. VijaykumarChavan successfully completed Ph.D Open Seminar-I on 07/05/2021

#### **Academic Performance**

##### **Toppers List**

RANK	3 <sup>rd</sup> SEMESTER	5 <sup>th</sup> SEMESTER	7 <sup>th</sup> SEMESTER
1 <sup>ST</sup>	Pradeep Bidarkoppa 69.1%	Mabusab.Rasulsab.Bentur 71.75%	Girish Hakki 85.75%
2 <sup>ND</sup>	ShreenivasVardha 68%	Ramasingh S Hajeri 69.5%	Celesty Sanjay Bansode

			83%
3 <sup>RD</sup>	Shankarayya C. Mahantavadeyar 6%	Sateesh.C.Shirabadagi 67.88%	PragatiHansnoor 82.3%

### 3<sup>rd</sup> Sem result Analysis

Total Appeared	39	Percentage
FCD	00	00
FC	12	30.76
SC	02	5.12
Total Pass	14	35.89
Total Fail	25	64.10


### 5<sup>th</sup>Sem result Analysis

Total Appeared	55	Percentage
FCD	01	1.8
FC	13	23.6
SC	03	5.4
Total Pass	17	30.9
Total Fail	38	69







### 7<sup>th</sup>Sem Result Analysis






Total Appeared	63	Percentage
FCD	41	65.07
FC	08	12.7
SC	00	00
Total Fail	14	22.22
Total Pass	49	77.78





### Training and Placement Details

Sl. No	Name	USN		Company
1	Abhishek Talikoti	2KA17ME001		TCS, Bengaluru



2	Celesty Sanjay Bansode	2KA17ME007		Infosys Bengaluru
3	Vaibhav S.R	2KA16ME053		CareerLabs, Bengaluru
4	Girish Hakki	2KA17ME008		X-Workz, Bengaluru
5	Manojkumar Balaraddy J	2KA17ME017		
6	Soubhagyalaxmi V Channappanavar	2KA17ME042		
7	Vijaykumar Kyamangoudar V	2KA17ME048		
8	Jagadesh Vadakannavar R	2KA17ME009		Pin Click

9	Girish H	2KA17ME008		
10	LingrajuSangannavar	2KA17ME012		Atarva Foundry and Forging, Wai.
11	Pradeep Eresheemi	2KA17ME020		
12	PrasannaR Attigeri	2KA17ME024		
13	BasavrajMBandanavar	2KA17ME005		

14	Basavraj Rangangoudar	E	2KA17ME003		
15	RavikiranUmachagi		2KA17ME032		Metform Engineers Pvt.Ltd Bengaluru
16	KarthikNalwad		2KA17ME011		
17	BasavrajMaribasannavar		2KA18ME401		

### Publications:

1. Mahantesh S. Tattimani, Maheshwar C Y, Babu Reddy, “ An assessment of effect of rotational speeds on the castings in a vertical centrifugal casting process of Tin”, Journal of XidianUnivrsity (Scopus Indexed) Volume 14, Issue 4, 2020, page 654-661.
2. Maheshwar C Y, Mahantesh S. Tattimani, Babu Reddy, “Green Supply Chain Management (GSCM) Practices- A Review”, Journal of Xidian University (Scopus Indexed) Volume 14, Issue 4, 2020, page 662-666.
3. VirupaxiBagodi, Prasannna P. Raravi “A holistic study of factors governing small and medium enterprises in India” , Journal of Modelling in Management.<https://www.emerald.com/insight/1746-5664.htm>
4. MahanteshTattimani, Maheswar C Y, Babu Reddy, ShrikantBadi, The effect of rotational speed on quality of sound vertical centrifugal castings tin, Manufacturing

Review (Scopus Indexed, Q1), Volume 8, Issue 21, 2021.

5. Mahantesh S. Tattimani, , Maheswar C.Y., Babu Reddy, ShrikantBadi, Ambadas, and Anandkumar S. Malipatil A Review of Corrosion and its prevention of Biomaterials, Journal of Advanced Scientific Research(UGC Care- Group 1), Volume 12, Issue 2, pp.43-48, 2021

### **Conferences**

1. KrishnaraddiGangal,Dr.Devendra K, ChandrashakarKaggalagowdar “ Study on mechanical and wear properties of hypereutectic Al-18Si-3.6Cu-0.34Ce alloy. Conference on Trends in Material Science and Inventive Materials (ICTMIM 2021) Organised ByJCT College of Engineering and Technology Coimbatore, Tamil Naidu , India during 12-13 March 2021
- 2.
3. Mr. VijaukumarChavan technical paperFactors Influencing ICT Adoption in SMEs,May – June 2020 ISSN: 0193-4120 Page No. 76 – 84, Article Info Volume 83 Page Number: 76 - 84 Publication Issue: May - June 2020 and it is publishd in TEST Engineering & Management ( scopus indexed journal )
4. Mr. VijaukumarChavan presented a technical paper A Study Of Fatigue And Fracture Of Foam Cores Used In Sandwich Composites) Accepted At Icrtimr-2020 and it is publishd in TEST Engineering & Management ( scopus indexed journal ) Article Info Volume 83 Page Number: 890 - 899 Publication Issue: March - April 2020

