

VISION

"To develop technically competent Mechanical Engineering Professionals and Researchers for the benefit of the society".

MISSION

- ❖ To provide a well-balanced program of instructions to impart concepts on basics and applied areas of mechanical engineering
- ❖ To provide the state- of-the- art facility for learning, skill development and research in design and manufacture areas.
- ❖ To encourage the students to excel in the co-curricular and extra-curricular activities to impart social & ethical values and leadership quality.

Message from Head of the Department



Dr. C R Rajashekhar
Professor & Head

Since our “TECHNO-MECH” news bulletin remains focused on its core purpose of helping to showcase the departmental activities, it gives me an immense pleasure to release this issue. This volume includes the FDP and Workshops organized, Technical talks, Industrial visits arranged, Staff & Students contributions, achievements of staff & students and overall academic contributions. I am really looking forward to meeting up with all the set standards and goals put forth by management.

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DEPARTMENT ACTIVITIES

GCASSTE-2020



Inauguration of GCASSTE 2020 by Dignitaries

A two-day Global Conference on "Advanced Smart and Sustainable Technologies in Engineering (GCASSTE 2020)" was organized by Department of Mechanical Engineering on 30th & 31st January 2020. GCASSTE 2020 was jointly patronized by MITE, Moodbidri and AICTE, New Delhi. The conference was inaugurated by Chief Guest Dr. Prahlad V, National University of Singapore (NSU), Singapore. He highlighted the significance of participating in conferences and motivated budding research community to involve in innovative technology. The program was presided by Mr. Rajesh Chouta, Chairman Rajalaxmi Education Trust, Mangalore.



Key note Address by Dr. Prahlad V



Mr. Rajesh Chouta, Chairman delivering presidential address

The conference had two Keynote addresses. Dr. Prahlad V, Associate Professor, National University of Singapore delivered the Keynote address on the topic "Importance of Artificial Intelligence & Deep Learning". Dr. Bambang Istijono, Centre for DS, Andalas University, Indonesia delivered a Keynote address on the "Reduction of floods caused by rain using infiltration wells and rain reservoirs". The global conference emphasized on bringing together experts from Manufacturing, Materials, Design, Maintenance and Thermal Engineering domains to take stock of current knowledge, share information and best practices, and build consensus on the actions most needed to move forward. Technical experts, academicians, scientists, researchers from various academic institutions and industry experts had participated in the event.

MECHMITE'S INAUGURATION



Lighting the Lamp by dignitaries



TechnoMech -News Bulletin release

The department student association "MECHMITE'S" was inaugurated by Dr. Rajivkumar Mistry, Deputy General Manager, Adani Power Training & Research Institute (APTRI) at Udupi Power Corporation Ltd. (UPCL) on 20th September 2019. He motivated students by highlighting the importance & merits in involving students association. Mr. Shivaramu H T, Mechmite staff Coordinator presented the Annual report of 2018-19. As a tradition of every year, the Toppers of each Batch, CART teams and were felicitated for their scholastic achievement. Dr. Divakara Shetty S, Dean Academics and Dr. C R Rajashekhar, Head of the Department wished and guided the students. The Principal Dr. GL Easwara Prasad gave a presidential speech.

SAE CLUB INAUGURATION



Inaugurated by dignitaries

SAE collegiate club of MITE was inaugurated by Mr. Girish Babu, Founder & CEO, GUTS Mechademy, Bangalore on 11th October 2019. The Chief guest motivated students to learn additional skills like drawing, design and analysis. Dr. C R Rajashekhar, Head of the Department, staff coordinator Mr. Rahul Sanjeev and student coordinator were arranged the event.

TECHNICAL TALK "INDUSTRY 4.0"



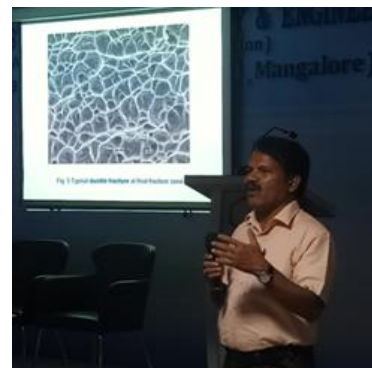
Mr. Santhosh M S, Senior Manager, Sales - Didactics Hydac India Private Limited, delivering talk



HOD presenting Memento to resource person

A technical talk on "INDUSTRY 4.0" for the 5th semester Mechanical Engineering students on 13th September 2019 was organized. Speaker addressed the role of hydraulics and pneumatics in automation. Also he stressed on the revolution of industry from Mechanization, Electrification, Digitalization to connection. Also he pointed about virtual and augmented reality for the rapid development of the connection of the people and things. The Head of the department Dr. C. R. Rajashekhar, presented memento to Resource person.

"FAILURE ANALYSIS"



Dr. Sudhakar K V, Metallurgical and Materials Engineering, Montana Technological University, Butte, Montana, delivering the technical talk.

A technical talk on "Failure Analysis" organized for the department students on 07th August 2019. The resource person explained about the importance of failure investigation of material as well as structure. He enriched knowledge of students in the area of failure initiation to the fracture. He also decorated new failure analysis techniques using in the research and development of materials and systems.

CAREER GUIDANCE

"Management of Project in Multidisciplinary Environment"



Mr. Vishal Vijay Kumar, Planning Engineer, Descon-ADNOC, Abudhabi addressing the students

A carrier guidance program was conducted on 20th August 2019 by our proud alumni Mr. Vishal Vijay Kumar (2017 batch), He delivered a talk on Management of Project in Multidisciplinary Environment. He explained the importance of Project management subject in handling the real time projects and also carrier scope in industries for project managers. He urged the students to take up their academic project work in the right direction by applying the project management principles.

"Career Opportunities for Mechanical Engineering Graduates"



Dr. Rajivkumar Mistry, Deputy General Manager, UPCL, delivering talk



Students interaction with resource person

Mechanical Engineering department organized talk on "Career opportunities for Mechanical Engineering Graduates" for the department students on 20th September 2019. The speaker gave a inspirational talk to all the students and motivated everyone in the crowd. He pointed job opportunities sectors for Mechanical Engineering graduates. In his talk he highlighted few key factors what industry expecting from the Engineers and also specified the kinds of additional knowledge/courses creates more job opportunities. He motivated students to participate in the co-curricular activities so that it builds personality skills and it will add an value to the resume. He gave guidance and time management to preparation for competitive exams along with curricular study.

"Opportunities through GATE Exam"



Mr. Ananth Pai, APEX, Mangalore addressing the students

A talk was organized for the students of Mechanical Engineering on the topic "Gate Preparation" on 23rd September 2019. Mr. Ananth Pai member of Academy in Pursuit of engineering excellence (APEX), Mangalore was the resource persons. In his talk stressed scope of GATE in various area like PG in IISc/IITs/NIT's, public sectors, junior research fellows in CSIR, IES exam and employment in private companies and the method of preparation to face exam.

"Societal and Environmental Context and Ethics of Engineering Practices"



Mr Junaid Fiaz, Commission Engineer, GE, Saudi Arabia delivering talk

Our alumni Mr. Junaid Fiaz, (2016 batch) delivered a talk on "Societal and Environmental Context and Ethics of Engineering Practices". He explained the importance of Societal and Environmental contexts in various Engineering Sectors and the importance of ethical practices to be followed in production based industries. He urged engineers are the valuable part of the society and this necessitates them to put together the determined efforts in-discovering all of the relevant facts pertaining to the

design, development, operation and all achievable outcome of the choices available that may positively and negatively affect the society and the public. He also stressed the importance of carrying mini-projects and projects throughout their engineering coursework. The talk was organized on 1st October 2019.

"Industry Expectations from Mechanical Engineering Graduates"

Department of Mechanical Engineering organized a talk on "Industry Expectations from Mechanical Engineering Graduates" for the VII semester Mechanical Engineering students on 26th October 2019. Mr. Santhosh Rao in his speech stressed the importance of goal setting in life, coming out from the comfort zone to the learning and growth zone. He gave key tips to have growth in the career and essential skills needed to acquire to survive in the core industry. Industries are expecting the flexibility in employees like switching to different departments like management, accounts etc. He explained in detail about working culture of Toyota companies. He highlighted the need of individual SWOT analysis, mini projects and how to prepare resume.



Dr. C R Rajashekhar, HOD Florally welcome the resource person



Mr. Santhosh Rao, General Manager, Toyota Industries Engine India Private Limited, addressing the gathering

In his talk specified the companies expecting creative skills and expectations are increasing year by year. He gave a statistics of the job vacancies in engineering and other sectors in the present scenario.

"Current Market Scenario of Fresher's in Industries and Career Guidance"



Mr. Thungaraju G D, Founder, People Mechanics delivering talk



Interaction with students

Department of Mechanical Engineering organized a talk on "Current Market Scenario of Fresher's in Industries and Career Guidance" for the V and VII semester Mechanical Engineering students on 12th November 2019. Mr. Thungaraju G D in his speech highlighted about fresh graduates' salary expectations is high irrespective of their knowledge and industries are expecting hard work, dedication, add on skills/flexibility from the graduates. He clearly specified advantages of joining small scale industry means can gain knowledge in Marketing, Purchase, Design and Drawing, Manufacturability, Customer satisfaction, Time Management, Finance, workers allocation and management etc. It will be more useful to develop in profession and with all department experience can start micro scale industry. He pointed what are the hurdles will appear for an entrepreneur and how to overcome. He motivated students to become job provider instead of job seeking.

WORKSHOPS

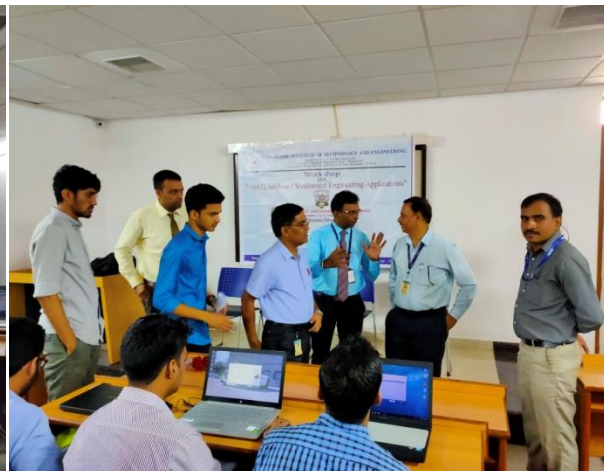
07

"MATLAB BASED MECHANICAL ENGINEERING APPLICATIONS"

The Department of Mechanical Engineering in association with MechMites organized Two Day Workshop on "MATLAB based Mechanical Engineering Applications" for third year Mechanical Engineering students on 3rd and 4th of October 2019. The Workshop was inaugurated by the Dean Academics Dr. Divakara Shetty S. He appreciated the students for taking part in the workshop. Dr. C R Rajashekhar HOD, Mechanical Engineering highlighted the importance of MATLAB usage in Engineering sector. The Mechanical, Aeronautical dept. faculties and Coordinator Dr. Lokesh M and Mr. Shivaramu H T, staff Coordinator MechMite's were present.



Dr. Divakara Shetty S, Dean Academics, addressing during Workshop Inauguration



Resource persons interaction with HOD

Dr. M M Nadakatti, Professor, Department of Mechanical Engineering, KL's GIT, Belgaum taught on introduction , importance, applications of MATLAB. He explained step by step procedure of using MATLAB and taught students to create surface plots and matrix solve. Students experienced and build the simple applications.



Dr. M M Nadakatti engaged on "Introduction to MATLAB"



Dr. Arun Kumar P engaged on "Reverse Engineering"

Dr. Arun Kumar P, Professor, Department of Mechanical Engineering, KL's GIT, Belgaum explain about the need of reverse engineering and how it is implementing in manufacturing sectors. He also explained the need of 3D printing, prototyping, how to set machine, design, production parameters set for the RP manufacturing. He thought the scanning of objects using 3D printing software. The students were happy after learning and using MATLAB, Rapid prototyping and 3D scanner software. The students have gained knowledge, got some inputs and ideas to implement these software in their project work.



Students Creating apps by using MATLAB



Participants with resource persons & coordinators

"AUTO-VAULT"

A Two day workshop on "Auto-Vault" was conducted in association with SAE Collegiate of MITE. The resource persons were Mr. Girish Babu, Founder and CEO GUTS Mechademy, Bangalore and Mr Harish M Shenoy, Designer, Shenoy Engineering Pvt. Ltd, Bangalore took sessions. The program was head by the faculty coordinator of the club and coordinator of the workshop Mr. Rahul Sanjeev (Assistant Professor, Department of Mechanical Engineering).



Workshop Inauguration session



Mr. Girish Babu, Founder & CEO, GUTS Mechademy engaging session

"INNOVATION BOOT CAMP BASED ON IOT"

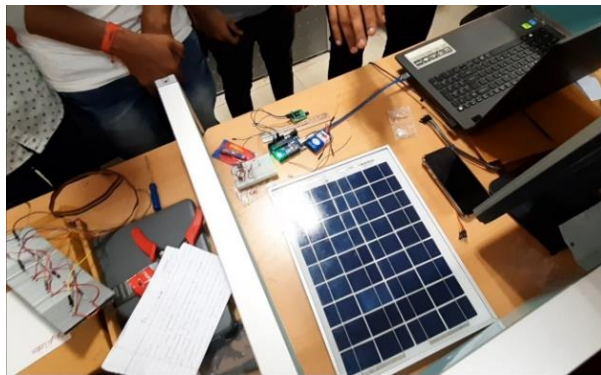


Prof. Loksha M emphasising on the importance of IoT



Mr. Jagmohan Neher, Engineer, Skyfi Education Labs Pvt. Ltd., Bengaluru engaged sessions

A two-day boot camp was organized by the department of Mechanical Engineering on the 15th and 16th of November 2019 to provide Hands on experience to students (60 nos.) regarding the use and handling and benefit of IoT based applications. They were offered topics from various domains such as IoT, Automation, Embedded systems, Robotics etc. Of the topics presented the students involved chose the following: Automatic street lighting system, Smart irrigation system, Smart water monitoring, Automatic railway crossing, Solar & smart energy system and Automatic solar tracker.



IoT Solar and smart energy system



Demonstration of the IoT working model

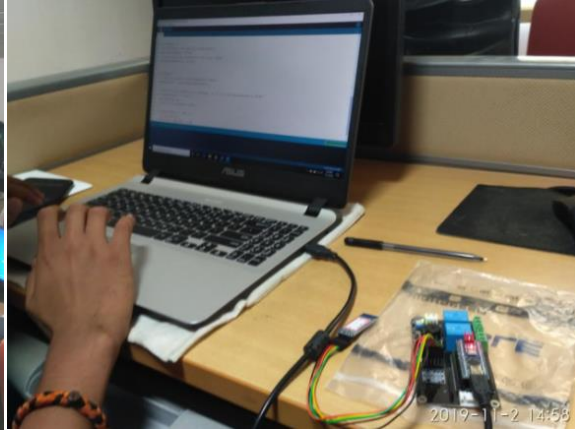
During the Two-day event the students underwent rigorous training with regard to the fundamentals, the various components that were involved to build their project, assembly of components to obtain a functional unit to perform the intended function. After several checks and modifications, error rectification each group comprising of five to four students demonstrated the successful working of the IoT based projects and also conveyed the use of their project from the practical application view point.

"IOT APPLIED TO SUSTAINABLE TECHNOLOGIES"

A Two Day workshop on “IoT Applied to Sustainable Technologies” organized by the Energy Club under Mechanical Engineering Department was held on 2nd and 3rd November, 2019.



Dr. Divakara Shetty S, Dean Academics addressing during Inaugural session



Students implementing IOT for model

The club comprising of undergraduate engineering students is formed with the noble objective of generation, conservation and preservation of energy resources. Mr. Shreyas K, FluxGen Technologies Pvt. Ltd, Bengaluru and Mr. Adithya, FluxGen Technologies Pvt. Ltd, Bengaluru were welcomed by Dr. Divakar Shetty, Dean Academics and Dr. C R Rajashekhar, Vice Principal they addressed the gathering and stressed on the need of creating awareness among students about energy conservation using advanced sustainable solutions. Prof. Akshay S Bhat, coordinator of Energy Club welcomed the resource persons from FluxGen Technologies, Bengaluru.



Resource person engaging session



Students building models

The students learnt many things about implementation of Internet of Things applied to sustainable technologies and were provided with hands on experience. The workshop was successful which marked the active participation of 44 students from the department of mechanical engineering. The completion of this workshop showed the interest of students towards this new domain that they haven't studied about.

INDUSTRY VISIT

Department of Mechanical Engineering students visited "Bhorukha Power Corporation Ltd.", Nidale, plant on 8th August 2019. The main objective behind the visit was to make student aware about how various activities related to Hydel power plant carried out in Industry and give them feel of actual experience in industrial work.



Mr. Bhanuprakash H S along with students at plant

Students of the department visited "Lamina Foundries", Nitte, plant on 16th October 2019. The students practically experienced processes involving in casting during production of component.



Students at Lamina Industry

STUDENTS ACHIEVEMENTS

AWARDS

VTU 1st RANK



Ms. Sanmati Shrikant Patil, Receiving 1st Rank Award in VTU 19th Annual Convocation

Ms. Sanmati Shrikant Patil has scored 9.45 CGPA and stood top in university and bagged 11 Gold Medal.



Ms. Sanmathi S Patil with 11 Gold Medals

Honored with 11 Gold Medals

1. VTU Gold Medal
2. Jain University Gold Medal
3. Hirasugar Institute of Technology Gold Medal
4. Squadron Leader S.S Chaitanya Memorial Gold Medal
5. Late Sri Chandrashekhar S. Bilundi Gold Medal
6. Sri Sanjay Keshavrao Agarkhed Memorial Gold Medal
7. Sri Leo Muthu-Founder Sairam Institutions Gold Medal
8. Jyothi Gold Medal
9. Murty's Medal of Excellence
10. Smt. Jayalaxmi & Sri A V Dasappa Memorial Gold Medal
11. H H Jagadguru Late Dr. Shivarathri Rajendra Mahaswamigalu of Suttur Mutt Gold Medal

ISIE-INDIA-FUTURE AWARD



Team members of ALTIMAS Racing with GARUDA V 6.0

The department students are actively building racing cars. The team ALTIMAS Racing participated in **INDIAN KARTING RACE 2020** organized by ISIE-INDIA from 21st -25th January 2020 at RPM circuit Bhopal. The vehicle named **Garuda V 6.0** Awarded “**FUTURE AWARD**” and received cash prize of ₹10K in the event.



Cash Price Award



Trophy

ANVESHANA Science and Engineering Fair

Pramith Shetty, Ashwin K, Rakesh and Venkatesh Prabhu's project titled "Areca nut Plucking machine" was selected as Innovative project to serve the society. The project work carried out under the guidance of Mr. Bhanuprakash K S, Assistant professor, Department of Mechanical Engineering.

STUDENTS PLACED

TATA CONSULTANCY SERVICES



K R VIGNESH
4MT16ME053



VISHAL KENNY
4MT16ME058



ABIN ANTONY
JOHNSON
4MT16ME002



VELSA SOPHIA
PINTO
4MT16ME161



SHETTY
HARSHITH R
4MT15ME173

I B M

INFOSYS



RAJATH G
NAYAK
4MT16ME111



N VISHWAS
HEGDE
4MT16ME091



N PADMESH
JAIN
4MT16ME090



RAHUL V
POOJARY
4MT16ME110



SHREESHA
ADIGA
4MT16ME141

SILVER PEAK



SANDESH
SHETTY
4MT16ME130



NAVEEN
KUMAR
4MT16ME094



KARTHIK M
NAIK
4MT16ME055



RATHAN
KUMAR
4MT16ME117



PRANAM
SUVARNA
4MT16ME100



GURUKIRAN
4MT16ME036



DEEKSHITH
4MT16ME025



SANDEEP
4MT16ME127



ROMARIO TOM
4MT16ME121



DENZIL DIAS
4MT16ME029



VELSA SOPHIA PINTO
4MT16ME161



VISHWAS VINAY SHENOY
4MT16ME165

SLK

TECHNICAL EVENTS

PUBLICATION / CONFERENCES

1. Rahul Vishwanath Poojary, has presented a paper entitled "Design and Analysis of Tubular Go-Kart Chassis" in the GCASSTE- 2020 at MITE, Moodbidri, on 30th & 31st January 2020.
2. Vinay Kishore Vora, has presented a paper entitled "Design and Fabrication of Pedal Operated Groundnut and Maize Stripper" in the GCASSTE- 2020 at MITE, Moodbidri, on 30th & 31st January 2020.
3. Shamanth, has presented a paper entitled "Anom Optimization Studies On Wire Electric Discharge Turning Using Taguchi's Experimental Design" in the GCASSTE-2020 at MITE, Moodbidri, on 30th & 31st January 2020.
4. Amal Babu and Deepak M have presented a paper entitled "Effect of TiO₂ on microstructure and Mechanical Properties of Zn-22Al - 2.5Cu alloy based composites" in the iCOLD-2019 at AIET, Moodbidri, on 27th to 29th November 2019.

PROJECT/POSTER PRESENTATION

1. Vinay Kishore, Suresh Chandra M C and Chinmay B Devdhar have won Ist Prize in presentation titled " Pedal Operated Groundnut and Maize Stripper " during 4 Day TechThtva-19 organized at MIT, Maniapl, held from 9th to 12th October 2019.
2. Lanston Pramith Fernandes has participated in the ISRO Hacathon & Secured IIIrd as a part of AEROPHILIA 2019 held at SCE&M, Mangalore from 20th to 22nd September 2019.
3. Vinay Kishore, Suresh Chandra M C and Chinmay B Devdhar have won IInd Prize in project presentation titled " Pedal Operated Groundnut and Maize Stripper " during 3 Day student employability programme on IIIR-2019 organized by Dept. of Electronics and Communication Engineering in association with VTU, held from 6th to 8th September 2019 at MITE, Moodbidri.
4. Revin Sonal has participated in poster presentation titled "Advanced Steam Engine" during 3 Day student employability programme on IIIR-2019 organized by Dept. of Electronics and Communication Engineering in association with VTU, held from 6th to 8th September 2019 at MITE, Moodbidri.
5. Pavan, Mohammed Jabir and Nishanth Raj have participated in poster presentation titled "Mind Headphone" during 3 Day student employability programme on IIIR-2019 organized by Dept. of Electronics and Communication Engineering in association with VTU, held from 6th to 8th September 2019 at MITE, Moodbidri.
6. T. Nishanka and Chinmay B Devdhar, have participated in poster presentation titled "Automatic Tank cleaning Machine" during 3 Day student employability programme on IIIR-2019 organized by Dept. of Electronics and Communication Engineering in association with VTU, held from 6th to 8th September 2019 at MITE, Moodbidri.

7. Shetty Chethan Sadashiv has participated in poster presentation titled "Secondary Breaking System" during 3 Day student employability programme on IIIR-2019 organized by Dept. of Electronics and Communication Engineering in association with VTU, held from 6th to 8th September 2019 at MITE, Moodbidri.
8. Manthan, Abhay K and Sanjay K have participated in poster presentation titled "Grey Water Recalimation" during 3 Day student employability programme on IIIR-2019 organized by Dept. of Electronics and Communication Engineering in association with VTU, held from 6th to 8th September 2019 at MITE, Moodbidri.
9. Shetty Rakshith, Girish and Shree Raksha have participated in poster presentation titled "Automatic Pothole Patcher" during 3 Day student employability programme on IIIR-2019 organized by Dept. of Electronics and Communication Engineering in association with VTU, held from 6th to 8th September 2019 at MITE, Moodbidri.
10. Sumith, Nandan and Suhas have participated in poster presentation titled "Road Safety Under Low Visibility Condition" during 3 Day student employability programme on IIIR-2019 organized by Dept. of Electronics and Communication Engineering in association with VTU, held from 6th to 8th September 2019 at MITE, Moodbidri.
11. Abhijith B, Ashay and Abhijith K C have participated in poster presentation titled "Automated Rainwater Channel" during 3 Day student employability programme on IIIR-2019 organized by Dept. of Electronics and Communication Engineering in association with VTU, held from 6th to 8th September 2019 at MITE, Moodbidri.
12. Akash Adavibhavi has attended workshop on "Vayuyana v3.0" at MITE, Moodbidri from 30th September to 1st October 2019.

NPTEL Online Courses

1. Shradha Shetty, has Successfully completed "Body Language : Key to Prefessional Success" an 4 week online course
2. Manisha, has Successfully completed "Body Language : Key to Prefessional Success" an 4 week online course
3. Ravish S, has Successfully completed "Body Language : Key to Prefessional Success" an 4 week online course
4. Darren Melroy, has Successfully completed "Introduction to Japanese Language and Culture" an 12 week online course
5. Vinay Kishore Vora, has Successfully completed "Essentials of Marketing" an 4 week online course
6. Shravan, has Successfully completed "Toyota Production System" an 8 week online course
7. Aman, has Successfully completed "Toyota Production System" an 8 week online course
8. Bhushan, has Successfully completed "Toyota Production System" an 8 week online course Manoj

9. Nishanth Ks, has Successfully completed "Toyota Production System" an 8 week online course
10. Elbon, has Successfully completed "Toyota Production System" an 8 week online course
11. Royson, has Successfully completed "Toyota Production System" an 8 week online course
12. Shreyas, has Successfully completed "Toyota Production System" an 8 week online course
13. Akhilesh, has Successfully completed "Toyota Production System" an 8 week online course
14. Joyson, has Successfully completed "Toyota Production System" an 8 week online course

FACULTIES ACHIEVEMENTS

PATENT GRANTED

Patent No.	Title	Inventor
319188	A Piston for Creating Turbulence in Combustion Chamber	Dr. C R Rajashekhar

JOURNAL PUBLICATIONS

- 1 Shivaramu H T, "Dry Sliding Wear Behaviour of Multi Walled Carbon Nanotubes Reinforced Aluminium Composites Produced by Powder Metallurgy Technique", Materials Research Express, doi.org/10.1088/2053-1591/ab501f
- 2 Gajanan M Naik, "Effect of grain refinement on mechanical and corrosion behavior of AZ91 magnesium alloy processed by ECAE, IOP Conference Series: Materials Science and Engineering", doi:10.1088/1757-899X/591/1/012015
- 3 Gajanan M Naik, "Microstructure and Corrosion behavior of wrought AZ80 Mg alloys after the combined processes of ECAP and Hot Rolling", IOP Conference Series: Materials Science and Engineering, doi:10.1088/1757-899X/577/1/01211
- 4 Gajanan M Naik, "Influence of Chloride Content and Exposure Time on Corrosion Behavior of AZ80 Wrought Mg Alloy", Global Challenges in Energy and Environment- Lecture Notes on Multidisciplinary, ISSN 2522-5030 (electronic)
- 5 Gajanan M Naik, "Effect of Annealing and Aging Treatment on Pitting Corrosion Resistance of Fine-Grained Mg-8%Al-0.5%Zn Alloy", Journal of The Minerals, Metals & Materials JOM, doi.org/10.1007/s11837-019-03769-1
- 6 Rajesh S C, "Computational Analysis of Thermal Behavior within a Scraped Surface Heat Exchanger (SSHE)", International Journal of Trend in Scientific Research and Development (IJTSRD), e-ISSN: 2456 – 6470

INTERNATIONAL CONFERENCES

1. Rajashekhar C R has presented a paper entitled "Impact of Nano Material added Biodiesel on Combustion, Performance and Emission of CI Engine - A Review", in the GCASSTE- 2020 at MITE, Moodbidri, on 30th & 31st January 2020.
2. Rajashekhar C R has presented a paper entitled "Consequence of Injection Pressure and Number of Nozzle Holes on the overall Performance of Diesel Engine operated on Dairy Scum methyl esters blend", in the GCASSTE- 2020 at MITE, Moodbidri, on 30th & 31st January 2020.
3. Neelakantha L V has presented a paper entitled "Experimental Study and FEM analysis of Fracture Toughness of High-Strength 7075 T6 Aluminum Alloys Using CT Specimen", in the GCASSTE- 2020 at MITE, Moodbidri, on 30th & 31st January 2020.
4. Loksha M has presented a paper entitled "A Comparative Study of Signal Processing Techniques for the Diagnosis of Fault In Belt Drives", in the GCASSTE- 2020 at MITE, Moodbidri, on 30th & 31st January 2020.
5. Loksha M has presented a paper entitled "Fault Detection in Bearings Using Advanced Signal Processing Techniques", in the GCASSTE- 2020 at MITE, Moodbidri, on 30th & 31st January 2020.
6. Bhanuprakash H S has presented a paper entitled "Design and Fabrication of Pedal Operated Groundnut and Maize Stripper", in the GCASSTE- 2020 at MITE, Moodbidri, on 30th & 31st January 2020.
7. Gajanan M Naik has presented a paper entitled "Anom Optimization Studies on Wire Electric Discharge Turning Using Taguchi's Experimental Design", in the GCASSTE- 2020 at MITE, Moodbidri, on 30th & 31st January 2020.
8. Shivaramu H T has presented a paper entitled "Investigation of Mechanical and Wear Characteristics of MWCNTS/LM25 Nanocomposites Fabricated through Powder Metallurgy", in the GCASSTE- 2020 at MITE, Moodbidri, on 30th & 31st January 2020.
9. Murali K B has presented a paper entitled "Comparative Study of HSS Tool With and Without Carbon Nanotube Coating", in the GCASSTE- 2020 at MITE, Moodbidri, on 30th & 31st January 2020.
10. Rahul Sanjiv has presented a paper entitled "Development and Strength Analysis of Sisal Fiber Reinforced Polymer Composite", in the GCASSTE- 2020 at MITE, Moodbidri, on 30th & 31st January 2020.
11. Yajnesha P Shettigar has presented a paper entitled "Mechanical Characterization of Seashell, Aluminium and Fly Ash Filler Addition in Glass Fibre Reinforced Polymer (GFRP)", in the GCASSTE- 2020 at MITE, Moodbidri, on 30th & 31st January 2020.
12. Mohan Kumar has presented a paper entitled "Enhancement of Mechanical Strength by Solid Reinforced Composite Tube – A Safe-Fail Design", in the GCASSTE- 2020 at MITE, Moodbidri, on 30th & 31st January 2020.

13. Suresh Kumar Repalle has presented a paper entitled "Performance Characteristics of a CI Diesel Engine with Blends of Diesel, Karanja and Neem Oil", in the GCASSTE-2020 at MITE, Moodbidri, on 30th & 31st January 2020.
14. Rajesh S C has presented a paper entitled "Design and Analysis of Tubular Go-Kart Chassis", in the GCASSTE- 2020 at MITE, Moodbidri, on 30th & 31st January 2020.
15. Sridhar D R has presented a paper entitled "Grey Based Taguchi Method to Optimize Mechanical Properties of Short Glass Fiber and Short Carbon Fiber Reinforced Polypropylene Composites", in the GCASSTE- 2020 at MITE, Moodbidri, on 30th & 31st January 2020.
16. Mayur A Shetti has presented a paper entitled "Propulsion of Biomimetic Robotic Fish", in the GCASSTE- 2020 at MITE, Moodbidri, on 30th & 31st January 2020.
17. Madhusudhan Balkundhi has presented a paper entitled "Mass Balancing of Generator Rotor Contemplating Vibration Amplitude Response", in the GCASSTE-2020 at MITE, Moodbidri, on 30th & 31st January 2020.
18. Gautam S Shetty has presented a paper entitled "Study of Effect of Machinability Parameters on Turning of AISI 4340 Steel using Taguchi Technique", in the GCASSTE- 2020 at MITE, Moodbidri, on 30th & 31st January 2020.
19. Purandara Naik has presented a paper entitled "Corrosion Inhibition Study on Aged 18Ni 250 Grade Maraging Steel in Phosphoric Acid and Nitric Acid Solution Using 1,2,3 Benzotriazole", in the GCASSTE- 2020 at MITE, Moodbidri, on 30th & 31st January 2020.
20. Aveen K P has presented a paper entitled "Experimental Investigation on the Mechanical Properties of Hybrid Composite Leaf Spring", in the GCASSTE- 2020 at MITE, Moodbidri, on 30th & 31st January 2020.
21. Loksha M has presented a paper entitled "A Review of Condition Monitoring Methods Applied for Cutting Tools", in the GCASSTE- 2020 at MITE, Moodbidri, on 30th & 31st January 2020.
22. Loksha M has presented a paper entitled "Experimental Investigation of Mechanical Properties for Natural Fiber Hybrid Composites for Automotive/Aerospace Applications", in the GCASSTE- 2020 at MITE, Moodbidri, on 30th & 31st January 2020.
23. Neelakantha L V has presented a paper entitled "Influence of Cryogenic and Corrosive Environment on Fracture Toughness of Aluminium 6082/H-30 Alloy", in the GCASSTE- 2020 at MITE, Moodbidri, on 30th & 31st January 2020.
24. Neelakantha L V has presented a paper entitled " Fracture Characterization of Sisal/Banana Hybrid Composite Reinforced Polyester Composites", in the GCASSTE- 2020 at MITE, Moodbidri, on 30th & 31st January 2020.
25. Neelakantha L V has presented a paper entitled "Fracture Toughness of Dual Phase DP450 Steel using the Essential work of Fracture Method", in the GCASSTE- 2020 at MITE, Moodbidri, on 30th & 31st January 2020.

26. Gajanan M Naik has presented a paper entitled "Effect of TiO₂ on microstructure and Mechanical Properties of Zn-22Al - 2.5Cu alloy based composites" in the iCOLD-2019 at AIET, Moodbidri, on 27th to 29th November 2019.

FDP/WORKSHOP

1. Mohan Kumar, attended a 05 Day Faculty Development Program on "Advance Materials and Applications" at New Horizon College of Engineering, Bangalore, from 30th December 2019 to 3rd January 2020
2. Purandar Naik, attended a 05 Day Faculty Development Program on "Advance Materials and Applications" at New Horizon College of Engineering, Bangalore, from 30th December 2019 to 3rd January 2020
3. Aveen K P, attended a 05 Day Faculty Development Program on "Advance Materials and Applications" at New Horizon College of Engineering, Bangalore, from 30th December 2019 to 3rd January 2020
4. Yajnesha P Shettigar, attended a 05 Day Faculty Development Program on "Advance Materials and Applications" at New Horizon College of Engineering, Bangalore, from 30th December 2019 to 3rd January 2020
5. Vikranth Kannanth, attended a Two Week Faculty Development Program on "Entrepreneurship for Academicians" at Sri Dharmastala Manjunatheshwara College of Engineering, Ujire, from 6th to 18th January 2020

ONLINE COURSES

1. Shivaramu H T successfully completed with distinction "Design Thinking for Agricultural Implements" an 8 week online course conducted by agMOOCs in association with IIT Kanpur, India and Commonwealth of Learning Canada.
2. Sridhar D R successfully completed with distinction "Design Thinking for Agricultural Implements" an 8 week online course conducted by agMOOCs in association with IIT Kanpur, India and Commonwealth of Learning Canada.
3. Murali K B has Successfully completed "Engineering Metrology" an 8 week NPTEL online course.

KSCST- FACULTY DEVELOPMENT PROGRAMME (FDP): 2019-20

Two project proposals of department of Mechanical Engineering have been shortlisted for further development / development of prototype which are having commercial readiness which are as follows

Sl. No.	Title	Investigator
1.	Multipurpose Machine for Areca nut Farming	Prof. Mohan Kumar
2.	Multi-nozzle Manually Operated Sprayer	Prof. Sunilkumar M R

TESTIMONIALS



MITE has given me an amazing platform for the overall growth and development. the campus has excellent

infrastructure and is very beautiful with perfect blend of nature and student friendly facility. When I first started at MITE, I was unsure about my future and anxious about the different challenges I was heading forward to face. But MITE gave me the support and confidence to grow both personally and professionally. MITE gave me an opportunity to enrich my knowledge, to learn and to grow gradually

Mr. Kethan G Nayak
Ace crane systems llc, Dubai



When I joined MITE it was very new college, but truly speaking I never felt that way. MITE was well known for providing world class infrastructure and

technical staffs for its students in the region. Apart from that, it always kept its students engaged in various other activities like cultural fests & technical events throughout the year. Studying in MITE was one of the best experiences I ever had.

Mr. Thanush S Jahan. Sobha
Developers, Dubai



Engineering is a field with uniqueness and individuality, the passion for which comes within the individuals. At

MITE the exposure they provide is far away good for the person who wants to achieve something. Here the potentials are harnessed, skills are developed, confidence is built and dreams are realized.

Nagara B Rao
Jindal Bellary



MITE has given me an amazing platform for the overall growth and development. the campus has excellent

infrastructure and is very beautiful with perfect blend of nature and student friendly facility. When I first started at MITE, I was unsure about my future and anxious about the different challenges I was heading forward to face. But MITE gave me the support and confidence to grow both personally and professionally. MITE gave me an opportunity to enrich my knowledge, to learn and to grow gradually

Rolson Rebello
BOSCH - Automotives



My 4 years at MITE have been excellent and a memory to cherish for lifetime. The years spent here have been full of learning opportunities that

were full of fun, frolic and sometimes with academic grind that one has to go through. The international exposure and industry ready training here, makes you better man to face the challenges of the corporate world...

*Mr. Nithesh Bhat,
MCF, Mangalore*



I am excited to write this message note as alumni of Mangalore Institute of Technology and Engineering. I always looked back at MITE as a place where I got mentored and polished for

the life ahead. The focused team of faculties and non-compromising quality of education made me a better citizen and an engineer. The management with their great effort provided me guidance and support which is par excellence. As John Dewey said, and I quote "Education is not preparation for life, education is life itself", and that's exactly the experience at MITE was. I will always keep looking forward to hear and see great things happening at MITE. Cheers!!!

*Puneeth Kannaraya
Research Scholar, IISc*



MITE Educates students in a very creative way and encourages them to think out of the box. "Where Stones Turn into Diamond" is not

only a slogan but lived reality. The multi cultural environment that is unique to MITE had provided me with such an experience building an off road buggy. The support that me and my team received during the course of our project was immense. The college that turned my dream into reality.

*Ashwin B B
Mercedes Benz*



It has been a great experience in MITE. The guidance and the support of the professors has been incredible.

The campus always gave a positive vibe. I owe my success to MITE. I am proud of being an Alumini.

*Chirag Habbu
Executive Ship Management*



My journey till 2nd year of my engineering was very difficult. As I was a hindi medium student till my Higher secondary classes so changing from one medium to another was bit

challenging. Even solving numerical was breath taking and many people discouraged me for my lickings. Then after I succeeded in all my exams. Hence, today I am working as a SENIOR ENGINEER in one of the top most steel companies of India JSW STEEL.

Last but not the list I would like to thanks my MITE college authority for what I have become today. Without the support and cooperation of the above mentioned names I would never have been achieved this position in my life.

A hearty Thanks to all MITE family

Pratyush Verma
JSW STEEL



Throughout my four years of engineering at mite I had countless opportunities to develop leadership skills and

proactive thinking through various programs, because of which I am improved in many dimensions. The best thing about MITE is its facilities infrastructure, apart from that a student friendly faculty. A big thank you to all my faculty members and the placement department for their support and for this amazing journey at MITE. A perfect place in all aspects for the next inventor, innovator, scholar or entrepreneur.

Sanmathi S Patil
Autoliv

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