VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI

MECHNOVA

AUGUST 2023

VOL 11, ISSUE 4

LATEST IN MECHANICAL ENGINEERING!!

Smaller Than a Flea – The Smallest Remote-Controlled Walking Robot Ever

The smallest-ever remote-controlled walking robot has been created by North-western University engineers, and it takes the shape of a tiny, cute peekytoe crab. The tiny crabs, which are about half a millimeter wide, can bend, twist, crawl, walk, turn, and even leap. Researchers think their technique might move the field closer to developing tiny robots that can carry out useful tasks in cramped areas.

INSIDE THIS ISSUE:

VISION

"To become a centre of excellence in Mechanical Engineering, producing innovative and creative mechanical engineers to meet the global challenges"

MISSION

1. To Provide a platform to the students towards attaining quality education in Mechanical Engineering.

2. To Educate students about professional & ethical responsibilities and train them to build leadership and entrepreneurship qualities for their career development.

3. To Create opportunities and guide students in acquiring career-oriented jobs in the field of Mechanical Engineering.

2019-23 MECHANICAL ENGINEERING BATCH TOPPERS

CONGRATULATIONS!!

VYSHAKH M
CGPA 9.18
VML19ME065

ABHIJITH K P
CGPA 9.09
VML19ME009

ALEN MOBY
CGPA 8.86
VML19ME019

2019-23 BATCH GRADUATES WITH MINOR DEGREE

AJITH JOHNY

GOKUL P V

ASWIN M

JYOTHIS PRAKASH

LIBIN SHAJI

[MINOR IN CIVIL ENGINEERING]

VINSHITH V V

JOEL MATHEW

ALAN KURIAKOSE

ABHINAV K T

AJNAS A K

[MINOR IN ELECTRICAL ENGINEERING]

ALEN MOBY

BENEDICT

ALAN MATHEW

[MINOR IN ELECTRICAL ENGINEERING]

PLACEMENTS

2019-23 ME BATCH

Hats off to the Mechanical Engineering rockstars of VJEC's 2019-23 Batch! They've spread their wings and landed remarkable placements across various companies. Congratulations and here's to an amazing future ahead!

VML19ME009 ABHIJITH K P

TCS

VML19ME009 AJITH JOHNY

TECHNOLOGICS

VML19ME010 AJNAS A K

QSPIDERS

VML19ME018 ALBIN ABRAHAM

ACCENTA EDUCATION

VML19ME019 ALEN MOBY

QSPIDERS

VML19ME029 BENEDICT J SEBASTIAN

QSPIDERS

VML19ME055 SOURAV SAJEEVAN

ACCENTA EDUCATION

VML19ME058 ULSAV ULLAS

ACCENTA EDUCATION

VML19ME061 VINSHITH V V

ACCENTA EDUCATION

VML19ME065 VYSHAKH M

ACCENTA EDUCATION

CLASS TOPPERS

ODD SEMESTER KTU UNIVERSITY EXAMINATION

VIMAL JYOTHI ENGINEERING COLLEGE
JYOTHI NAGAR, CHEMPERI – 670632, KANNUR, KERALA
ACCREDITED BY IEI, NBA & NAAC • ISO 9001:2015 CERTIFIED
AFFILIATED TO KTU • APPROVED BY AICTE

NATIONAL BOARD OF ACCREDITATION ACCREDITED

NAAC ACCREDITED

DEPARTMENT OF MECHANICAL ENGINEERING

THOMAS V S
VML22ME032
SGPA - 9.24

ABHAY ANIL
VML22ME002
SGPA - 8.47

ADWAITH M
VML22ME007
SGPA - 8.24

CONGRATULATIONS

2022 - 26 BATCH TOPPERS (S1 - KTU)

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DEPARTMENT OF MECHANICAL ENGINEERING

JOEL SUNNY
VML21ME015
SGPA - 8.91

GOVIND MANOJ
VML21ME012
SGPA - 8.45

JYOTHISH BIJITH
VML21ME016
SGPA - 8.41

CONGRATULATIONS

2021 - 25 BATCH TOPPERS (S3 - KTU)

DEPARTMENT OF MECHANICAL ENGINEERING

CONGRATULATIONS!!!

S5 UNIVERISTY EXAM TOPPERS (2020-24 BATCH)

MR. NIRMAL DEV P

SGPA: 9.26

MR. VYSHNAV R

SGPA: 8.39

MR. AKSHAY C

SGPA: 8.26

PAPER PUBLICATIONS/REVIEW

1. Dr. S Kumar, Dr. G Bala Deva Guru, Dr P Sridharan published a paper titled" Customer's Perception towards Services of the Selected Banking Sector in South Indian District" in International Journal of Scientific Research in Engineering and Management (IJSREM).

2. Dr. G Justin Sunil Dhas, Dr. P Sridharan published a paper titled" Power line Voltage Sag Mitigation by Dynamic Voltage Restorer using ANN optimization Technique Approach in International Journal of Scientific Research in Engineering and Management (IJSREM).

3. Dr. Sreekanth M P Reviewed a paper for Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture (SAGE Journals) in July 2023

4. Dr. Christopher Ezhil Sigh Reviewed a paper in 'Archives of Civil and Mechanical Engineering' titled: An experimental determination and accurate prediction for rheological behavior of Al2O3-MWCNT (70:30) / SAE40 engine oil hybrid non-Newtonian nano-lubricants for applications in internal combustion engines.

FACULTY ACHIEVEMENTS

1. Dr. Sridharan P (Professor), Dr. Christopher Ezhil Singh (Professor), and Dr. Sreekanth M P (Associate Professor) of mechanical engineering at Vimaljyothi Engineering College are approved Research Supervisors of KTU University from Jun 2023 onwards, as approved vide university Order No. U.O.No. 1903/2021/KTU.

Dr. Sridharan P

Professor

Dr. Sreekanth M P

Associate Professor

2. Dr. Sreekanth M P attended an Online NPTEL Workshop on "Learning Innovation from Nature: Introduction to Biomimicry" organized by IIT, Madras on 15, July 2023.

Program Educational Objectives (PEO'S)

PEO1: Graduates will be able to pursue successful professional career in Mechanical Engineering with sound technical and managerial capabilities.

PEO2: Graduates will have skills and knowledge to formulate, analyze and solve problems in mechanical engineering to meet global challenges.

PEO3: Graduates will be capable of pursuing mechanical engineering profession with good communication skills, leadership qualities, team spirit and professional ethics to meet the needs of the society.

PEO4: Graduates will sustain an appetite for continuous learning by pursue higher education and research in the allied areas of science and technology.

Program Outcomes (POs)

PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations

PO4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions

PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations

PO6: The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7: Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice

PO9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions

PO11: Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSOs)

PSO1: Ability to use advance design, modelling, analysis, manufacturing tools and techniques to provide a solution in mechanical engineering problems.

PSO2: Ability to design, develop, implement and manage a product development process.

Staff Editor: Mr. Arunlal M P (Asst. Prof, ME)

Student Editors:

Mr. Nirmal Dev P (S7 ME), Ms. Anusree P Nair (S7 ME)