MECHZANIA

VIVEKANAND EDUCATION
SOCIETY 'S POLYTECHNIC

MECHANICAL ENGINEERING DEPARTMENT
VOL2 2022-23

Content

ABOUT DEPARTMENT

The department of Mechanical Engineering started in the year 2018 with the intake of 60 seats. mechanical engineering is the discipline that applies engineering physics, engineering mathematics and material science principles to style, analyze, manufacture, and maintain the mechanical systems.

It's one among the oldest and broadest of the engineering disciplines. The infrastructure and laboratory facilities are developed beyond curriculum to provide a conducive environment for students.

VISION

To produce mechanical engineers with technical competency driven by ethical values.

MISSION

MISSION 1: To impart value-based quality education thus enabling students to meet up with the demands of the industry as well as the society.

MISSION 2: To create technically expertise engineers with the desire for lifelong learning

MISSION 3: To provide a platform for overall personality development of students.

PROGRAM EDUCATIONAL OBJECTIVES

PEO 1:

Provide socially responsible, environment friendly solutions to Mechanical engineering related broad-based problems adapting professional ethics.

PEO 2:

Adapt state-of-the-art Mechanical engineering broad-based technologies to work in multi-disciplinary work environments.

PEO 3:

Solve broad-based problems individually and as a team member communicating effectively in the world of work

PROGRAM SPECIFIC OBJECTIVES

PSO 1:

Modern Software Usage:

Use the latest Mechanical Engineering related software for simple design, drafting, manufacturing, maintenance and documentation of mechanical engineering components and processes.

PSO 2:

Equipment and Instruments: Maintain equipment and instruments related to Mechanical Engineering.
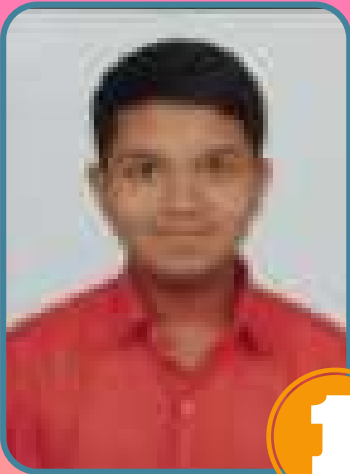
PSO 3:

Mechanical Engineering Processes: Manage Mechanical Engineering processes by selecting and scheduling relevant equipment, substrates, quality control techniques, and operational parameters .

"TAKE UP ONE IDEA. MAKE THAT ONE IDEA YOUR LIFE - THINK OF IT, DREAM OF IT, LIVE ON THAT IDEA. LET THE BRAIN, MUSCLES, NERVES, EVERY PART OF YOUR BODY, BE FULL OF THAT IDEA, AND JUST LEAVE EVERY OTHER IDEA ALONE. THIS IS THE WAY TO SUCCESS."

~ SWAMI VIVEKANANDA

RESULT ANALYSIS

SAWANT SHREYASH RAMCHANDRA
1st Year
80.76%
Rank 1st

1

BORADE BHAVESH HEMANT
1st Year
79.86%
Rank 2nd

2

SHINDE LOKESH GANESH
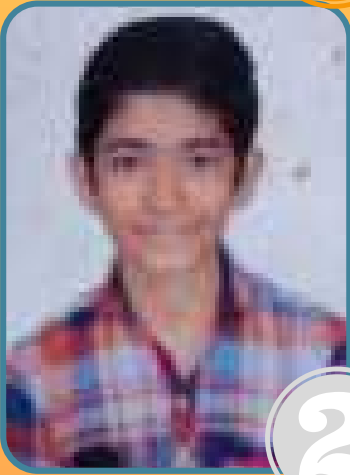1st Year
79.43%
Rank 3rd

3

RESULT ANALYSIS

CHAYTANYA DEVDAS MANEPATIL

2nd Year

84.95%

Rank 1st

1

LAHERWANI ABHISHEK VINOD

2nd Year

84.84%

Rank 2nd

2

MORE SHERYA SUSHIL

2nd Year

84.00%

Rank 3rd

3

RESULT ANALYSIS

ABHISHEK KIRVE
3rd Year
82.29%
Rank 1st

1

DEOLEKAR HARISH SHAILESH
3rd Year
78.10%
Rank 2nd

2

SHINDE KSHHITIJ DATTA
3rd Year
76.38%
Rank 3rd

3

Artificial intelligence (AI)

What Is The Impact Of Artificial Intelligence (AI) On Society?

As with most changes in life, there will be positive and negative impacts on society as artificial intelligence continues to transform the world we live in. How that will balance out is anyone's guess and up for much debate and for many people to contemplate. As an optimist at heart, I believe the changes will mostly be good but could be challenging for some. Here are some of the challenges that might be faced (and we should be thinking about how to address them now) as well as several of the positive impacts artificial intelligence will have on society.

Artificial intelligence will definitely cause our workforce to evolve.

The alarmist headlines emphasise the loss of jobs to machines, but the real challenge is for humans to find their passion with new responsibilities that require their uniquely human abilities. According to PwC, 7 million existing jobs will be replaced by AI in the UK from 2017-2037, but 7.2 million jobs could be created. This uncertainty and the changes to how some will make a living could be challenging.

Artificial intelligence (AI)

The transformative impact of artificial intelligence on our society will have far-reaching economic, legal, political and regulatory implications that need to be discussing and preparing for.

Determining who is at fault if an autonomous vehicle hurts a pedestrian or how to manage a global autonomous arms race are just a couple of examples of the challenges to be faced.

Will machines become super-intelligent and will humans eventually lose control? While there is debate around how likely this scenario will be we do know that there are always unforeseen consequences when new technology is introduced. Those unintended outcomes of artificial intelligence will likely challenge us all.

Another issue is ensuring that AI doesn't become so proficient at doing the job it was designed to do that it crosses over ethical or legal boundaries. While the original intent and goal of the AI is to benefit humanity, if it chooses to go about achieving the desired goal in a destructive (yet efficient way) it would negatively impact society.

The AI algorithms must be built to align with the overarching goals of humans.

Artificial intelligence algorithms are powered by data. As more and more data is collected about every single minute of every person's day, our privacy gets compromised. If businesses and governments decide to make decisions based on the intelligence they gather about you like China is doing with its social credit system, it could evolve into social oppression

~BY LOKESH SHINDE

ARTICLE ON ARTIFICIAL INTELLIGENCE.

Embracing Artificial Intelligence: Creating a Smarter Future Quickly!

Artificial intelligence (AI) is reshaping our environment, redecorating entire sectors, and reinventing how we live and work. In a number of industries, including healthcare, banking, education, and sustainability, this cutting-edge technology, which was motivated by human intelligence, has produced tremendous advancements.

AI-driven diagnostics and predictive analytics are transforming patient care in the healthcare industry by enabling early disease detection and enhancing treatment strategies. The power of AI to examine large datasets helps financial institutions improve fraud detection and customise client experiences with virtual assistants.

Platforms with AI-powered learning capabilities provide individualized learning opportunities that take into account each student's needs and learning preferences. By encouraging students' creativity and critical thinking, this technology enables teachers to mold the future leaders.

Furthermore, AI is proving helpful in solving environmental issues. AI supports sustainable development initiatives, preserving our world for future generations, by tracking deforestation and forecasting natural calamities. Ethics must continue to take precedence as embrace AI's transformational potential. Institutions must enforce ethical AI standards, remove biases, and place a high priority on privacy protection.

ARTICLE ON ARTIFICIAL INTELLIGENCE.

Undoubtedly, artificial intelligence (AI) will play a significant role in the future, and by using this technology responsibly, we can create a more inclusive and intelligent society that opens up countless opportunities for advancement and wealth. Let's work together to realize artificial intelligence's full potential and create a better future for everyone

~BY SIDDHANT GHATE

INDUSTRY 4.0

The Fourth Industrial Revolution, 4IR, or Industry 4.0, conceptualises rapid change to technology, industries, and societal patterns and processes in the 21st century due to increasing interconnectivity and smart automation. The term was popularised in 2015 by Klaus Schwab, the World Economic Forum founder and executive chairman, and has since been used in numerous economic, political, and scientific articles in reference to the current era of emerging high technology. Schwab asserts that the changes seen are more than just improvements to efficiency, but express a significant shift in industrial capitalism.

~ B Y   P A R T H   M A N E P A T I L

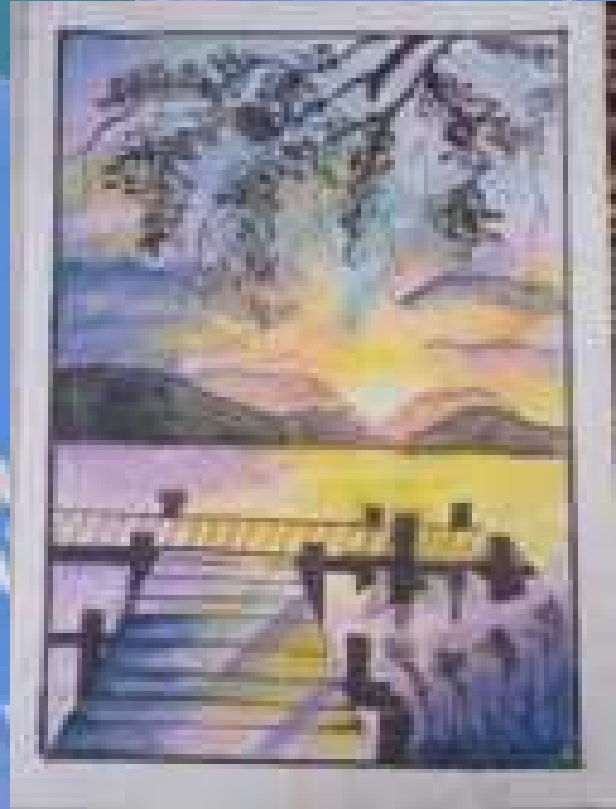# Industrial Visit (2022-23)

ME3I

Industrial Visit AT PUNE

ART GALLERY (2022-23)

~ Erlin Ferona

~ Erlin Ferona

PHOTOGRAPHY (2022-23)

~ Siddhant Ghate

~ Anil Maramdi

PHOTOGRAPHY (2022-23)

~ Anil Maramdi

~ Siddhant Ghate

PHOTOGRAPHY (2022-23)

~ Dhrumin Raval

POEM SECTION

तपत रहावे, झटत रहावे,
झाडासारे ठासून रहावे.

लहान होऊनही महान व्हावे,
मुंगीसारे शिस्तीत जगावे.

नितळ रहावे, निखळ रहावे,
पाण्यासारे स्पष्ट वहावे.

संयमी रहावे, धृढ जगावे.
चातकासारे अर्शिक बनावे.
निसर्गातून जीवन शिकावे,

माणसाने माणूस व्हावे,
माणसाने माणूस व्हावे.

~ प्रथमेश कासार

EDITORIAL TEAM

MRS.SHEETAL KOKATE
TEACHER IN-CHARGE

ANIL MARANDI
EDITING & DESIGN

LEGENDARY QUOTES

"LIFE IS LIKE RIDING A BICYCLE. TO KEEP YOUR BALANCE, YOU MUST KEEP MOVING."
— ALBERT EINSTEIN

"EVERYTHING YOU CAN IMAGINE IS REAL."
— PABLO PICASSO

"SUCCESS IS NOT ONLY IN HAVING OR BEING IN A DREAM. IT IS IN DOING."
— EBINEZAR GNANASEKARAN

LEGENDARY QUOTES

"IF DEATH WILL SEPARATES SOULS, THEN WHILE WE LIVE LET US ENJOY EACH OTHER'S COMPANY, SHARING OURS SORROWS AS WELL AS OUR SUCCESS."
— LAILAH GIFTY AKITA

"BE THE CHANGE THAT YOU WISH TO SEE IN THE WORLD."
— MAHATMA GANDHI

"WITHOUT MUSIC, LIFE WOULD BE A MISTAKE."
— FRIEDRICH NIETZSCHE, TWILIGHT OF THE IDOLS