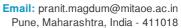


PRANIT RAJENDRA MAGDUM

B.Tech. - Mechanical Engineering - MITAOE

Ph: +91-9767327692





BRIEF OVERVIEW / CAREER OBJECTIVE / SUMMARY

Has an open mind and a flair for interacting with people from diverse backgrounds. A curious and passionate individual, who is eager to learn and dive deep into the subject matter. Seeks a nurturing environment that provides active mentorship and supports individual and collective growth and perseverance.

KEY EXPERTISE / SKILLS

Leadership Skills Teamwork SolidWorks AutoCAD Python Robotics ANSYS Manufacturing 3D Printing Design for Manufacturing Manufacturing Processes Manufacturing Techniques Additive Manufacturing Team Management Communication Skills Public Speaking

EDUCATION

Dr. Vishwanath Karad MIT World Peace University (MIT-WPU) B.Tech Mechanical Engineering - MITAOE CGPA: 8.66 / 10.00	2019 - 2023
Yashwantrao Chavan Polytechnic Diploma Diploma - Mechanical Engineering MSBTE Percentage: 92.31 / 100.00	2020
Chate English Medium School, Jaysingpur 10th MSBSHSE Percentage: 92.20 / 100.00	2017

INTERNSHIPS	
MIT ACADEMY OF ENGINEERING Trainee Engineer	01 Jun, 2022 - 31 Jul, 2022
Key Skills: Robotics Manufacturing Management	
Mukkudal Robotics Trainee Engineer	07 May, 2021 - 05 Jun, 2021
Key Skills: Mobile Robotics Robotics	
Swift Enterprise Pvt.Ltd Trainee Engineer	12 May, 2019 - 21 Jun, 2019
Key Skills: CNC Machine CNC Programming Manufacturing Management Field Work	

STATEMENT

PROJECTS PROJECTS
CLASSIFICATION OF FRUIT TYPE BY COLOUR Mentor: Prof. V.B. Kulkarni Team Size: 2 O2 Nov, 2022 - 07 Nov, 2022
Key Skills: Simulation Robotics Coding Image Processing Webots
Classification of Fruits are done in Webots Software. Actual Model of fruit classsification is also done for 2 different fruits using Image Processing.
AUTOMATIC AGRICULTURAL PESTICIDE SPRINKLING ROBOT Mentor: Dr.Preetam Kalos Team Size: 4 Key Skills:
Robotics Automation Electronics Design SolidWorks Team Management Teamwork Presentation Skills Manufacturing
Problem Solving Arduino
We have done a flexible, Remote Controlled using Android phones, automated spraying robot. The robot is designed to spray pesticide directly onto individual leaves minimizing wastage of chemical spraying.
ROBOCON 22: DESIGN,CALCULATION AND DEVELOPMENT OF ROBOTS FOR GIVEN PROBLEM 11 Oct. 2021 - 17 Jul. 2022

Mentor: Prof.S.A.Khandekar | Team Size: 19

Key Skills:

Robotics

SolidWorks AutoCAD Problem Solving Teamwork Work Management Mathematics

3D Printing

Arduino UNO

Documentation Technology Technical Documentation Manufacturing Additive Manufacturing

Design

Design and Development of Two robots to perform the given task as per the Theme of Lagori Game. The task of one robot is to Break the Lagori Discs and The other Task is to pile the Lagori Discs.

DESIGN AND DEVELOPMENT OF TWO SPEED GEAR BOX FOR AGRO MACHINERY

15 Jul, 2020 - 15 Oct, 2020

Mentor: Prof.B.A.Tare | Team Size: 5

Key Skills: Design Mechanical Testing Gearbox Team Leadership Mechanics of Materials Engineering Mathematics

Two Speed gearboxes have provisions for several inputs and several outputs, unlike one input and one output of a conventional gearbox. It allows the choice of varied speeds to the inputs. These gearboxes can be used in a lot of practical applications.

MODIFICATION IN MINI CNC MACHINE USING ARDUINO

Mentor: Prof.B.R.Patil | Team Size: 4

Key Skills: Arduino Robotics Arduino UNO Electronics CNC Machine

Done modification in Mini CNC Machine using Arduino Uno which can be used for various different applications like Sketching 2D Images, Draw

Letter, Laser Engraving, etc

PUBLICATIONS / RESEARCH / WHITE PAPERS

DESIGN AND DEVELOPMENT OF TWO SPEED GEAR BOX FOR AGRO MACHINERY

16 May, 2020

International | International Research Journal Of Modernization In Engineering Technology And Science |

Prof.B.A.Tare | No. of Authors: 5

Key Skills: Design SolidWorks

Mathematics

Gearbox Gears

Machine Design

Two Speed gearboxes have provisions for several inputs and several outputs, unlike one input and one output of a conventional gearbox. It allows the choice of varied speeds to the inputs. These gearboxes can be used in a lot of practical applications.

ACHIEVEMENTS

- Achieved 2nd Rank in Paper Presentation Competition at National Level
- Achieved 100/100 in Strength of Materials and Theory of Machines in Second year Polytechnic
- Achieved AIR-3 with 99/100 in 1st stage of DD Robocon 2022
- Achieved AIR-6 with 94/100 in 2nd stage of DD Robocon 2022

ASSESSMENTS / CERTIFICATIONS

Basics of Mechatronics

Key Skills: Mechatronics

Hydraulics Pneumatics

Fundamentals of GD & T

Key Skills: Engineering Drawings

Machine Design GD & T

AutoCAD

Key Skills: Drawing Engineering Drawings 3D Modeling 2D Design AutoCAD

MS-CIT

Key Skills: Computer Skills

Introduction to Programming using Python

Aggregate: 82.0 / 100.0 Key Skills: Python

SEMINARS / TRAININGS / WORKSHOPS

Industrial 3D Printing Technology Institute Name: Skyy Rider Institutions

20 Aug, 2020 - 20 Aug, 2020

Key Skills: Additive Manufacturing 3D Printing 3D Modeling SolidWorks

3D Printing Technology

Institute Name: I3DMINDS

Key Skills: 3D Printing 3D Modeling Additive Manufacturing CATIA

06 Dec, 2019 - 06 Dec, 2019

Robotics

Institute Name: MIT ACADEMY OF ENGINEERING ALANDI

Key Skills: Robotics Mobile Robotics Arduino Electronics

Entrepreneurship Awarness Camp

Institute Name: Maharashtra Centre for Entrepreneurship Development

Key Skills: Entrepreneurship Public Speaking

PERSONAL INTERESTS / HOBBIES

Collecting World Banknotes and Coins

Singing

Cricket

WEB LINKS

• LinkedIn - https://www.linkedin.com/in/pranit-magdum-5032b1167?lipi=urn%3Ali%3Apage%3Ad_flagship3_profile_view_base_contact_details%3BNvhMvv93SHWncT2cCp24ew%3D%3D

PERSONAL DETAILS

Gender: Male

Marital Status: Unmarried

Current Address: New Mhada Colony, 8A 402,Krushna Building, Morwadi,Pimpri-411018, Pune, Maharashtra, India - 411018

Emails: pranit.magdum@mitaoe.ac.in , pranitmagdum10@gmail.com

Date of Birth: 24 Apr, 2001

Permanent Address: A/P Umalwad Near Jain Temple, Umalwad, Tal-

Shirol Dist-Kolhapur, Kolhapur, Maharashtra, India - 416101 **Phone Numbers:** +91-9767327692, +91-9767327692

REFERENCES

Prof.B.A.Tare

(Vice Principal, DKTE'S Yashwantrao Chavan Polytechnic, Ichalkaranji) (+91-7774013833, bharat.btare@gmail.com)