



DURGESH AJAY KOLTE
B.E. - Electronics Engineering (ETX) - MITAOE
Ph: +91-7208272372
Email: dakolte@mitaoe.ac.in
Thane, Maharashtra, India - 400608



BRIEF OVERVIEW / CAREER OBJECTIVE / SUMMARY

Strive to work in a challenging environment and aim to achieve the organization's goal alongside my personal positive growth. Flexible, Curious & Quick learner who is interested in learning new things. Leading & managing Events, Projects and Clubs across multiple domains.

KEY EXPERTISE / SKILLS

Internet of Things Robotics Management Skills Problem Solving Decision-Making Programming

EDUCATION

Savitribai Phule Pune University B.E. - Electronics Engineering (ETX) - MITAOE CGPA: 8.05 / 10.00	2017 - 2021
Pace Junior Science College, Mumbai 12 th MSBSHSE Percentage: 78.62 / 100.00	2017
D.A.V. Public School, Thane 10 th CBSE Percentage: 82.60 / 100.00	2015

INTERNSHIPS

CopperCloud IoTech Key Skills: Internet of Things Energy Design Strategy Scrum Deploying IoT Solution in hard-to-reach terrain, or where AC Power grid isn't easily available. The main outcome was to design a standalone solar-powered system. (Link: https://bit.ly/OffGrid_Intern)	June 15, 2020 - July 31, 2020
Robotics Club, MITAOE Key Skills: Robotics Design for Manufacturing Problem Solving The main aim was to Develop working robust 'Floor Cleaning Robot' at a much cheaper rate and manufacture Campus Delivery Robot with mapping & pathfinding (https://bit.ly/Robo_Intern)	June 5, 2019 - July 20, 2019

PROJECTS

Pick & Place Robot Mentor: Prof. Shridhar Khandekar Team Size: 3 Key Skills: Robotics Odometry Computer Vision Critical Thinking Design a robot that can be used for picking and placing goods carrier in industries with the help of Computer Vision and Absolute Odometry. Identify and locate the coloured balls in a confined place using software like NI Vision, SolidWorks, LabVIEW & Arduino IDE. (Link: https://bit.ly/PicknPlace)	Jan. 7, 2020 - April 15, 2020
River Cleaning Boat Mentor: Prof. Vinod Pakhale Team Size: 3 Key Skills: Internet of Things Design Strategy For lesser availability of freshwater, we built up a boat that cleans up the solid waste from water. Our boat was designed lightweight, user friendly and cost-efficient. We were successful at cleaning the solid waste by conveyors. The boat was operated wirelessly through smartphone using Bluetooth. (Link: https://bit.ly/River_Boat)	March 13, 2019 - May 20, 2019
Quadruped Robot Key Skills: Robotics Embedded C PCB Design Algorithms Problem Solving Analysis Critical Thinking Computing Quadrupedal Robot (replicating 4 legged Robotic animal) where each leg is a 5-bar linkage mechanism, or as we name it the V-Leg. This particular orientation of legs helps in obtaining any type of gait for overcoming all the obstacles. Motors are connected with optical quadrature encoders with belt and timing pulley arrangement for the angular position of the crank. The desired position of the cranks are thus obtained from the given (X, Y) coordinates through derived inverse kinematic equations. (Link: https://bit.ly/Quadruped)	Sept. 15, 2018 - April 24, 2019
Remotely Monitored IoT Service Mentor: Prof. Vaishali Katkar Team Size: 2 Key Skills: Internet of Things Energy Design Strategy Cloud Deploying IoT Service in Remote location to monitor, analyze & share data wirelessly over the cloud to end-user. (Link: http://bit.ly/MajorP_R1)	Aug. 15, 2020

ACHIEVEMENTS

- National Robocon 2019 Stage 1: Rank 5/87
- National Robocon 2020 Stage 1: Score 94/100
- RoboStrike Winner (TechnoVanza 2019, VJTI, Mumbai)
- RoboSumo Semi-Finalist (TechnoVanza 2019, VJTI, Mumbai)

ASSESSMENTS / CERTIFICATIONS

What is Data Science?

Authorized by IBM | Offered through Coursera (<https://coursera.org/verify/6X9XT6JBB2RM>)

Development of Real-Time Systems

Authorized by EIT Digital | Offered through Coursera (<https://coursera.org/verify/XUHE7796YRVB>)

Broadband Technician

Certified by BSNL RTTC under NSDC (https://bit.ly/BSNL_BBT)

Introduction to Data Analytics for Business

Authorized by University of Colorado Boulder | Offered through Coursera (<https://coursera.org/verify/FUKHVJZZSUYQ>)

Python Data Structures

Authorized by University of Michigan | Offered through Coursera (<https://coursera.org/verify/D5MXWUAD9PXS>)

SQL for Data Science

Authorized by University of California, Davis | Offered through Coursera (<https://coursera.org/verify/69WC2RYDQSKU>)

Microsoft AI Classroom Series

Certified by Microsoft in association with NASSCOM FutureSkills (<https://bit.ly/MicrosoftAISeries>)

AWS Academy Cloud Foundations

Certified by Amazon through AWS Academy (http://bit.ly/AWS_Vin)

CO-CURRICULAR ACTIVITIES

- Programming Head, Robotics Club, MITAOE
- Technical Coordinator, Student Council, MITAOE
- Chief T&P Coordinator, Corporate Relations, MITAOE

EXTRA CURRICULAR ACTIVITIES

- Content Writer & Curator, TEDxMITAOE '20
- Class Representative, Electronics Department, MITAOE
- Team Coordinator, Football & Table Tennis, Electronics Department, MITAOE
- Mentor, Digital Marketing Team, MITAOE
- Student Brand Ambassador, eArth Samvarta Foundation

PERSONAL INTERESTS / HOBBIES

- Current Affairs
- Gaming

AWARDS AND SCHOLARSHIPS

- Departmental Merit Scholarship (10% Fees Waived)
- Maharashtra Government Scholarship (50% Fees Waived)

PERSONAL DETAILS

Gender: Male

Current Address: 104/20, Lily, Highland Annex, Thane, Maharashtra, India - 400608

Emails: dakolte@mitaoe.ac.in , 17dk.durgesh@gmail.com

Date of Birth: May 13, 1999

Known Languages: English, Hindi, Marathi

Phone Numbers: +91-7208272372