



**DURGESH AJAY KOLTE**  
B.E. - Electronics Engineering (ETX) - MITAOE  
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## 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

2017 - 2021

B.E. - Electronics Engineering (ETX) - MITAOE | CGPA: 8.05 / 10.00

### Pace Junior Science College, Mumbai

2017

12<sup>th</sup> | MSBSHSE | Percentage: 78.62 / 100.00

### D.A.V. Public School, Thane

2015

10<sup>th</sup> | CBSE | Percentage: 82.60 / 100.00

## INTERNSHIPS

### CopperCloud IoTech

June 15, 2020 - July 31, 2020

**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](https://bit.ly/OffGrid_Intern))

### Robotics Club, MITAOE

June 5, 2019 - July 20, 2019

**Key Skills:** Robotics   Design for Manufacturing   Problem Solving

- Developing working robust 'Floor Cleaning Robot' at a much cheaper rate
  - Manufacturing Campus Delivery Robot with mapping and pathfinding
- (Link: <https://bit.ly/RoboticsMITAOE>)

## PROJECTS

### Pick & Place Robot

Jan. 7, 2020 - April 15, 2020

**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>)

### Customizable Motor Driver

Sept. 15, 2019 - Dec. 10, 2019

**Mentor:** Prof. Shridhar Khandekar | **Team Size:** 2

**Key Skills:** Design Research   Power Electronics

In this project, we have designed Motor Driver can be made available easily and be manufactured & customized in the lowest cost possible. We have used Proteus, Arduino IDE, Eagle PCB Designer as our helping Simulation software in our journey. (Link: <https://bit.ly/MotorDriver>)

### Quadruped Robot

Sept. 15, 2018 - April 24, 2019

**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) co-ordinates through derived inverse kinematic equations. (Link: <https://bit.ly/Quadruped>)

### Remotely Monitored IoT Service

Aug. 15, 2020

**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 web service to end-user. (Link: [http://bit.ly/MajorP\\_R1](http://bit.ly/MajorP_R1))

## ACHIEVEMENTS

- National Robocon 2019 Stage 1: Rank 5
- 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

### 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](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 & Sports
- Literature

## WEB LINKS

- Other - [https://bit.ly/DurgeshKolte\\_Files](https://bit.ly/DurgeshKolte_Files)

## 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(W), Thane, Maharashtra, India - 400608

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

**Date of Birth:** May 13, 1999

**Known Languages:** English, Hindi, Marathi

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