



**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

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

## INTERSHIPS

<b>CopperCloud IoTech</b> 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: <a href="https://bit.ly/OffGrid_Intern">https://bit.ly/OffGrid_Intern</a> )	June 15, 2020 - July 31, 2020
<b>Robotics Club, MITAOE</b> 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: <a href="https://bit.ly/RoboticsMITAOE">https://bit.ly/RoboticsMITAOE</a> )	June 5, 2019 - July 20, 2019

## PROJECTS

<b>Pick &amp; Place Robot</b> 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: <a href="https://bit.ly/PicknPlace">https://bit.ly/PicknPlace</a> )	Jan. 7, 2020 - April 15, 2020
<b>Customizable Motor Driver</b> 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: <a href="https://bit.ly/MotorDriver">https://bit.ly/MotorDriver</a> )	Sept. 15, 2019 - Dec. 10, 2019
<b>Quadruped Robot</b> 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: <a href="https://bit.ly/Quadruped">https://bit.ly/Quadruped</a> )	Sept. 15, 2018 - April 24, 2019
<b>Remotely Monitored IoT Service</b> Mentor: Prof. Vaishali Katkar   Team Size: 2	Aug. 15, 2020

**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>)

## 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

## 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

**Phone Numbers:** +91-7208272372







महाराष्ट्र राज्य माध्यमिक व उच्च माध्यमिक शिक्षण मंडळ, पुणे  
Maharashtra State Board Of  
Secondary and Higher Secondary Education, Pune

मुंबई विभागीय मंडळ / MUMBAI DIVISIONAL BOARD

उच्च माध्यमिक प्रमाणपत्र परीक्षा - गुणपत्रक  
HIGHER SECONDARY CERTIFICATE EXAMINATION - STATEMENT OF MARKS

शाखा STREAM	आसन क्रमांक SEAT NO.	केन्द्र क्रमांक CENTRE NO.	जिल्हा व उच्च, माध्य, शाळा क्रमांक DIST. & HR. SEC. SCHOOL NO.	परीक्षेचा महिना व वर्ष MONTH & YEAR OF EXAM.	गुणपत्रकेचा अनुक्रमांक SR. NO. OF STATEMENT
SCIENCE	M092526	4178	33.05.022	FEBRUARY-17	326759

उमेदवाराचे संपूर्ण नाव (आडनाव प्रथम) / CANDIDATE'S FULL NAME (SURNAME FIRST)

**Kolte Durgesh Ajay**

उमेदवाराच्या आईचे नाव / CANDIDATE'S MOTHER'S NAME **Yogita**

विषयाचा सांकेतिक क्रमांक व विषयाचे नाव Subject Code No. and Subject Name			*माध्यम Medium	कमाल गुण Max. Marks	प्राप्त गुण / Marks Obtained	
					अंकात In Figures	अक्षरात / In Words
01 ENGLISH			ENG	100	073	SEVENTYTHREE
40 MATHEMATICS & STATISTICS			ENG	100	074	SEVENTYFOUR
54 PHYSICS			ENG	100	071	SEVENTYONE
55 CHEMISTRY			ENG	100	054	FIFTYFOUR
A1 ELECTRICAL MAINTENANCE			ENG	200	190	ONE HUNDRED AND NINETY
31 ENVIRONMENT EDUCATION			ENG	050	049	FORTYNINE
30 HEALTH & PHYSICAL EDUCATION (GRADE)			A			
Result / निकाल PASS	Percentage / टक्केवारी 78.62	एकूण गुण / Total Marks		650	511	FIVE HUNDRED AND ELEVEN

**H174326759**



महत्वाचे, टीप, आरोग्य व शारीरिक शिक्षण विषयातील श्रेणी  
आणि चिन्हांची माहिती यांचा तपशील मागील पृष्ठावर पहावा.  
See overleaf for Important, Notes, Grades in Health &  
Physical Education Subject and meaning of special  
characters.



**4915709984474**

*(Signature)*

विभागीय सचिव/Divisional Secretary





## GRADE CARD

SEAT NO F171181 PERM REG. NO. 0120170036  
 NAME OF STUDENT KOLTE DURGESH AJAY  
 MOTHER NAME YOGITA  
 PROGRAMME BTech YEAR FY BTech ACADEMIC YEAR 2017 - 2018



CODE	COURSE NAME	CREDITS	GRADE
<b>SEMESTER: 1</b>			
AS101T	MATHEMATICS - I	4	AA
AS101U	MATHEMATICS - I	1	AA
AS102L	PHYSICS	1	AB
AS102T	PHYSICS	3	CC
EX101L	ELECTRICAL AND ELECTRONICS ENGINEERING	1	AA
EX101T	ELECTRICAL AND ELECTRONICS ENGINEERING	3	BC
HP101L	LANGUAGE AND COMMUNICATION - I	1	AA
HP101T	LANGUAGE AND COMMUNICATION - I	1	BB
ME101L	ENGINEERING GRAPHICS	2	AA
ME101T	ENGINEERING GRAPHICS	2	AB
ME102L	EXPERIMENTAL TOOLS AND TECHNIQUES	2	AB
<b>SEMESTER: 2</b>			
AS103L	CHEMISTRY	1	AA
AS103T	CHEMISTRY	3	CC
AS104T	MATHEMATICS - II	4	BC
AS104U	MATHEMATICS - II	1	AA
CV101L	APPLIED MECHANICS	1	AB
CV101T	APPLIED MECHANICS	3	BC
HP102L	LANGUAGE AND COMMUNICATION - II	1	AA
HP102T	LANGUAGE AND COMMUNICATION - II	1	AA
IT101L	COMPUTER PROGRAMMING	2	AA
IT101T	COMPUTER PROGRAMMING	2	AB
ME103L	DESIGN THINKING	2	AA

CURRENT SEMESTER PERFORMANCE			CUMULATIVE PERFORMANCE		
CREDITS	GRADE POINTS	SGPA	CREDITS	GRADE POINTS	CGPA
21	174	8.29	42	196	8.48

PLACE : PUNE  
 DATE : 10 JUL 2018



*[Signature]*  
 Controller of Examinations

*[Signature]*  
 Director



No. : 02981

**MIT** Academy of Engineering**MIT ACADEMY OF ENGINEERING**(An Autonomous Institute Affiliated to Savitribai Phule Pune University)  
Dehu Phata, Alandi, Pune - 412 105**GRADE CARD**

SEAT NO S186003 PERM REG. NO. 0120170036

NAME OF STUDENT KOLTE DURGESH AJAY

MOTHER NAME YOGITA

PROGRAMME BTECH YEAR SY BTECH ACADEMIC YEAR 2018 - 2019

BRANCH ELECTRONICS ENGINEERING



CODE	COURSE NAME	CREDITS	GRADE
<b>SEMESTER: 3</b>			
AS202L	APPLIED MATHEMATICS	1	AA
AS202T	APPLIED MATHEMATICS	3	BC
CH201L	ENVIRONMENTAL SCIENCE	1	AA
CH201T	ENVIRONMENTAL SCIENCE	2	AB
ET201L	SYSTEM ENGINEERING	1	AA
ET201T	SYSTEM ENGINEERING	3	DD
ET202L	ANALOG ELECTRONICS	1	AB
ET202T	ANALOG ELECTRONICS	3	BC
ET206L	PROTOTYPING	2	AB
EX202L	APPLIED DIGITAL CIRCUITS	1	AA
EX202T	APPLIED DIGITAL CIRCUITS	3	AB
<b>SEMESTER: 4</b>			
EX211L	ANALOG AND DIGITAL COMMUNICATION	1	AB
EX211T	ANALOG AND DIGITAL COMMUNICATION	3	DD
EX212L	CIRCUIT THEORY	1	AB
EX212T	CIRCUIT THEORY	3	CC
EX213L	MINOR PROJECT	2	AA
HP201T	PSYCHOLOGY	3	DD
IT201L	ENGINEERING INFORMATICS	1	AA
IT201T	ENGINEERING INFORMATICS	3	CC
ME201L	MATERIAL ENGINEERING	1	AA
ME201T	MATERIAL ENGINEERING	3	CC

CURRENT SEMESTER PERFORMANCE			CUMULATIVE PERFORMANCE		
CREDITS	GRADE POINTS	SGPA	CREDITS	GRADE POINTS	CGPA
21	136	6.48	84	658	7.84

PLACE : PUNE  
DATE : 08 JUL 2019



*[Signature]*  
Controller of Examinations

*[Signature]*  
Director

**MIT ACADEMY OF ENGINEERING**  
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**TY BTECH 2019 - 2020 (REGULAR)**

DATE: 04 JUL 2020

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NOTE: FIRST LINE :	SEAT NO.,	NAME OF THE CANDIDATE,	MOTHER'S NAME,	PERMANENT REG. NO.						
OTHER LINES:	COURSE.CODE,	COURSE.NAME,	EARNED CREDITS,	EARNED GRADE	EARNED GRADE POINTS					
T196003 KOLTE DURGESH AJAY		YOGITA		0120170036						
SEMESTER - V					SEMESTER - VI					
ET301L	CONTROL SYSTEMS		1	AA	10	EX321L	REAL TIME OPERATING SYSTEM	1	AA	10
ET301T	CONTROL SYSTEMS		3	CC	18	EX321T	REAL TIME OPERATING SYSTEM	3	AA	30
ET304L	GRAPHICAL PROGRAMMING - LAB VIEW		2	AA	20	EX322L	DIGITAL SIGNAL PROCESSING	1	AA	10
EX301L	EMBEDDED SYSTEM DESIGN		1	AA	10	EX322T	DIGITAL SIGNAL PROCESSING	3	AA	30
EX301T	EMBEDDED SYSTEM DESIGN		3	CD	15	EX323L	POWER ELECTRONICS AND APPLICATION	1	AA	10
EX303L	COMPUTER NETWORK		1	AA	10	EX323T	POWER ELECTRONICS AND APPLICATION	3	AB	27
EX303T	COMPUTER NETWORK		3	BC	21	EX324L	MINI PROJECT	2	AB	18
EX311L	FUNDAMENTALS OF ROBOTICS		1	AB	09	EX331L	KINEMATICS AND DYNAMICS OF ROBOTICS	1	AA	10
EX311T	FUNDAMENTALS OF ROBOTICS		3	BC	21	EX331T	KINEMATICS AND DYNAMICS OF ROBOTICS	3	BB	24
HP301T	PROJECT MANAGEMENT		2	BC	14	HP302L	PROFESSIONAL SKILLS	2	AA	20
HP303L	BASICS OF ENTREPRENEURSHIP		1	AB	09					
TOTAL CREDITS REGISTERED: 21		TOTAL CREDITS EARNED: 21				TOTAL CREDITS REGISTERED: 20		TOTAL CREDITS EARNED: 20		
TOTAL GRADE POINTS EARNED:157		S.G.P.A.: 7.48				TOTAL GRADE POINTS EARNED:189		S.G.P.A.: 9.45		
C.G.P.A.: 8.05										





भारत सरकार  
GOVERNMENT OF INDIA



दुर्गेश अजय कोलते

Durgesh Ajay Kolte

वडील : अजय दामोदर कोलते

Father : Ajay Damodar Kolte

जन्म वर्ष / Year of Birth : 1999

पुरुष / Male



5771 8330 7454

आधार — सामान्य माणसाचा अधिकार



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