

**OFFICIAL TRANSCRIPT**

Lokmanya Tilak College of Engineering (LTCOE) is affiliated to University of Mumbai. All the courses and examinations are conducted under the jurisdiction of University of Mumbai. A record of marks obtained in each semester till date of the programs is been given herewith.

The University of Mumbai follows the Credit Based Grading System (CBCGS) where the merit of the student is judged by the Semester Grade Pointer Index (SGPI) in examinations for theory, session, projects and seminars. The degree course consists of eight semesters.

Details of the courses are as follows:

- | | |
|--------------------------|---------------|
| 1. Medium of Instruction | : English |
| 2. Duration of Course | : 3 years |
| 3. Duration of lectures | : 60 minutes |
| 4. Duration of Tutorial | : 60 minutes |
| 5. Duration of Practical | : 120 minutes |
| 6. No. of weeks/Semester | : 14 |

Grades are awarded to each academic exam as per the following percentages of marks obtained and equivalent grade point.

Percentage of Marks Obtained	Letter Grade	Grade Point	Performance
80.00 and above	O	10	Outstanding
75.00 – 79.99	A	9	Excellent
70.00 – 74.99	B	8	Very Good
60.00 – 69.99	C	7	Good
50.00 – 59.99	D	6	Fair
45.00 – 49.99	E	5	Average
40.00 – 44.99	P	4	Pass
Less than 40.00	F	0	Fail

- Note: 1) " University of Bombay "has been renamed "University of Mumbai ".
2) GPA system is followed by the University of Mumbai.

Verified By: _____

College Seal



Authorized Signatory: _____

Lokmanya Tilak Jankalyan Shikshan Sansthaa's

LOKMANYA TILAK COLLEGE OF ENGINEERING

Approved by AICTE vide letter No. F-740-89-295 (E)/RC/94 Dt. 26-07-1994
Affiliated to University of Mumbai & Recognised by Govt. of Maharashtra



48868
Shri. Satish Chaturvedi
Chairman

Dr. Vivek Sunnapwar
Principal

CERTIFICATE

This is to certify that Mr. Rahul Ashok Kadam is a bonafide student of Lokmanya Tilak College of Engineering (LTCOE), affiliated to University of Mumbai, from July 2018 in Electronics and Telecommunication Engineering branch. This scheme of instruction for course is as per the enclosed transcript. The details of his Elective Subject and Project are as follows:

ELECTIVE – I : CYBER SECURITY AND LAWS

ELECTIVE – II : ENVIRONMENTAL MANAGEMENT

PROJECT : VEHICLE TRACKING THEFT DETECTION SYSTEM USING ARDUINO

Verified By:

College Secy



Authorized Signatory:

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Affiliated to University of Mumbai & Recognised by Govt. of MaharashtraDr. Vivek Sunnapwar
Principal

UNIVERSITY OF MUMBAI

SECOND YEAR ELECTRONICS AND TELECOMMUNICATION ENGINEERING

SEMESTER - III

Student Name : KADAM RAHUL ASHOK

University of Mumbai seat number : CT360737

Year of Passing : MAY 2020

COURSE CODE	COURSE TITLE	COURSE CREDITS	GRADE			CREDIT EARNED (C)	GRADE POINTS (GP)	C X GP
			ESE/PR/OR	IA/TW	OVERALL			
ECC301	APPLIED MATHEMATICS III	4	C	D	D	4	6	24
		1	--	C	C	1	7	7
ECC302	ELECTRONICS DEVICES AND CIRCUITS I	4	O	P	A	4	9	36
ECC303	DIGITAL SYSTEM DESIGN	4	P	E	P	4	4	16
ECC304	CIRCUIT THEORY AND NETWORKS	4	O	C	O	4	10	40
		1	--	D	D	1	6	6
ECC305	ELECTRONICS INSTRUMENTATION AND CONTROL	4	P	D	P	4	4	16
		1	--	D	D	1	6	6
ECL301	ELECTRONICS DEVICES AND CIRCUITS I LAB	1	C	C	C	1	7	7
ECL302	DIGITAL SYSTEM DESIGN LAB	1	P	E	P	1	4	4
ECL303	OOP USING JAVA LAB	1	E	D	D	1	6	6
Total :		26				26	-	168

Remark : SUCCESSFUL

SGPI: 6.46

CGPI: --

SEMESTER - IV

University of Mumbai seat number : CT460596

Year of Passing : MAY 2020

COURSE CODE	COURSE TITLE	COURSE CREDITS	GRADE			CREDIT EARNED (C)	GRADE POINTS (G)	C X G
			ESE/PR/OR	IA/TW	OVERALL			
ECC401	APPLIED MATHEMATICS IV	4	A	E	B	4	8	32
		1	--	E	E	1	5	5
ECC402	ELECTRONICS DEVICES AND CIRCUITS II	4	E	E	E	4	5	20
ECC403	LINEAR INTEGRATED CIRCUITS	4	E	D	E	4	5	20
ECC404	SIGNALS AND SYSTEMS	4	P	C	P	4	4	16
		1	--	D	D	1	6	6
ECC405	PRINCIPLES OF COMMUNICATIONS ENGG.	4	P	P	P	4	4	16
ECL401	ELECTRONICS DEVICES AND CIRCUITS II LAB	1	D	B	C	1	7	7
ECL403	PRINCIPLES OF COMMUNICATIONS ENGG. LAB	1	B	B	B	1	8	8
ECL402	LINEAR INTEGRATED CIRCUITS LAB	1	B	B	B	1	8	8
Total:		25				25	-	138

Remark : SUCCESSFUL

SGPI: 5.52

CGPI: --

Legends used: IA : Internal Assessment, TW : Term Work, ESE: End Semester Examination, OR: Oral, PR: Practical

SGPI: Semester Grade Performance Index, CGPI: Cumulative Grade Performance Index $SGPI: \sum(C \times G) / \sum(C)$,

-- Not Applicable #0.229 NSS, Sports Condonation Marks*-0.5045 @-0.5046

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College Seal



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Approved by AICTE vide letter No. F-740-89-295 (E)/RC/94 Dt. 26-07-1994
Affiliated to University of Mumbai & Recognised by Govt. of MaharashtraUNIVERSITY OF MUMBAI
THIRD YEAR ELECTRONICS AND TELECOMMUNICATION ENGINEERING
SEMESTER - V

Student Name : KADAM RAHUL ASHOK

University of Mumbai seat number : CT560257

Year of Passing : DECEMBER 2019

COURSE CODE	COURSE TITLE	COURSE CREDITS	GRADE			CREDIT EARNED (C)	GRADE POINTS (GP)	C X GP
			ESE/PR/OR	IA/TW	OVERALL			
ECC501	MICROPROCESSOR & PERIPHERALS INTERFACING	4	P	E	P	4	4	16
ECC502	DIGITAL COMMUNICATION	4	P	E	P	4	4	16
ECC503	ELECTROMAGNETIC ENGINEERING	4	P	C	P	4	4	16
		1	--	B	B	1	8	8
ECC504	DISCRETE TIME SIGNAL PROCESSING	4	P	D	E	4	5	20
ECCDLO50 1X	DEPT LEVEL ELECT- T.V. & VIDEO ENGG.	4	D	E	D	4	6	24
		1	--	B	B	1	8	8
ECL501	MICROPROCESSOR & PERIPHERALS INTERFACING	1	D	B	C	1	7	7
ECL502	DIGITAL COMMUNICATION LAB	1	B	B	B	1	8	8
ECL503	BUSINESS COMMUNICATION & ETHICS LAB	2	--	D	D	2	6	12
ECL504	OPEN SOURCE TECHNOLOGY FOR COMM. LAB	1	E	C	D	1	6	6
Total:		27				27	--	141.00

Remark : SUCCESSFUL

SGPI: 5.22

CGPI: --

SEMESTER - VI

University of Mumbai seat number : CT660223

Year of Passing : MAY 2020

COURSE CODE	COURSE TITLE	COURSE CREDITS	GRADE			CREDIT EARNED (C)	GRADE POINTS (GP)	C X GP
			ESE/PR/OR	IA/TW	OVERALL			
ECC601	MICROCONTROLLERS & APPLICATIONS	4	D	D	D	4	6	24
ECC602	COMPUTER COMM. NETWORKS	4	C	O	C	4	7	28
ECC603	ANTENNA & RADIO WAVE PROPAGATION	4	D	D	D	4	6	24
ECC604	IMAGE PROCESSING & MACHINE VISION	4	D	E	E	4	5	20
ECCDLO60 2X	ELECT-II- RADAR ENGG.	4	D	C	D	4	6	24
ECL601	MICROCONTROLLERS & APPLICATIONS LAB	1	A	O	O	1	10	10
ECL602	COMPUTER COMM. NETWORKS LAB	1	O	O	O	1	10	10
ECL603	ANTENNA & RADIO WAVE PROPAGATION LAB	1	A	O	O	1	10	10
ECL604	IMAGE PROCESSING & MACHINE VISION LAB	1	B	O	O	1	10	10
ECCDLO60 2X	ELECT-II- RADAR ENGG. LAB	1	--	O	O	1	10	10
Total:		25				25	--	170.00

Remark : SUCCESSFUL

SGPI: 6.8

CGPI: --

Legends used: IA : Internal Assessment, TW : Term Work, ESE: End Semester Examination, OR: Oral, PR: Practical

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-- Not Applicable #-0.229 N55, Sports Condonation Marks-#-0.5045 @ -0.5049

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College



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Dr. Vivek Sunnapwar
Principal

FOURTH YEAR ELECTRONICS AND TELECOMMUNICATION ENGINEERING
SEMESTER - VII

Student's name: KADAMRAHUL ASHOK

University of Mumbai seat number : 10271561

Year Of Passing: JANUARY 2021

COURSE CODE	COURSE TITLE	COURSE CREDITS	GRADE			CREDIT EARNED (C)	GRADE POINTS (G)	C X G
			ESC/PR/OR	IA/TW	OVERALL			
ECC701	MICROWAVE ENGINEERING	4	B	B	B	4	8	32
		1	C	A	B	1	8	8
ECC702	MOBILE COMMUNICATION SYSTEM	4	O	A	O	4	10	40
		1	O	O	O	1	10	10
ECC703	OPTICAL COMMUNICATION	4	O	O	O	4	10	40
		1	O	O	O	1	10	10
ECOLO7033	DEPT.LEVEL OPT-III INTERNET COMMUNICATION ENGINEERING	4	A	O	A	4	9	36
		1	O	O	O	1	10	10
ILO7016	INST. LEVEL OPT-I CYBER SECURITY AND LAWS	3	A	O	O	3	10	30
ECL 704	PROJECT - I	3	O	O	O	3	10	30
Total:		26				26	-	246.00

Remark : SUCCESSFUL

SGPI: 9.46 CGPI: --

SEMESTER - VIII

University of Mumbai seat number : 10282526

Year Of Passing: JULY 2021

COURSE CODE	COURSE TITLE	COURSE CREDITS	GRADE (ESE+IA) (TW+OR+PR)	CREDIT EARNED (C)	GRADE POINTS (G)	C X G
ECC801	RF DESIGN	4	O	4	10	40
ECC802	WIRELESS NETWORKS	4	O	4	10	40
ECCDLO8044	NETWORK MANAGEMENT IN TELECOMMUNICATION	4	O	4	10	40
ILO8029	ENVIRONMENTAL MANAGEMENT	3	O	3	10	30
ECL801	RF DESIGN LAB	1	O	1	9	9
ECL802	WIRELESS NETWORKS LAB	1	O	1	10	10
ECLDLO804 4	NETWORK MANAGEMENT IN TELECOMMUNICATION LAB	1	O	1	10	10
ECL803	PROJECT-II	6	O	6	10	60
TOTAL		24		24	--	239.00

SGPI	SGPI
(DIPLOMA STUDENT)	
SEM-III : 6.46	SEM-IV : 5.52
SEM-V : 5.22	SEM-VI : 6.80
SEM-VII : 9.46	SEM-VIII : 9.96

Remark : SUCCESSFUL

CGPI : 7.20

Legends used: IA : Internal Assessment, TW : Term Work, ESE: End Semester Examination, OR: Oral, PR: Practical
SGPI: Semester Grade Performance Index, CGPI: Cumulative Grade Performance Index SGPI: $\sum(C \times G) / \sum(C)$,
-- Not Applicable # 0.229 NSS, Sports Condonation Marks- *-0.5045 @ -0.5043

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