

OFFICIAL TRANSCRIPT
University of Mumbai
Bachelor of Engineering (B.E.) in Chemical Engineering

(Four-Year Course)

Name of Student : **PAWAR** **VIRAJ** **SANTOSH** **SMITA**
 (Surname) (First Name) (Father's Name) (Mother's Name)

Period of Study : **Academic Year 2016/17 to 2018/19 (DSE)**

Important points to be considered for evaluation of the transcript:

- 1 The University of Bombay is renamed as the University of Mumbai on account of the renaming of the city of Bombay to Mumbai by the Government of Maharashtra in 1996.
- 2 The medium of instruction is English.
- 3 The course work is prescribed by University of Mumbai.
- 4 All examination papers are set and graded by the University of Mumbai.
- 5 An academic year starts in July every year.
- 6 Two semesters are conducted in every academic year.
- 7 Duration of each semester is sixteen weeks.
- 8 Duration of each lecture / practical is 60 minutes.
- 9 For the examinations held up to second half of 2001 under ordinance .224 of the University, a student is eligible to the award of grace marks (subject to conditions) if the minimum passing marks are not obtained. **Granted** grace marks are indicated as superscript.
- 10 For the examinations held from first half of 2002 under the ordinances of University grace marks are given and indicated as below:

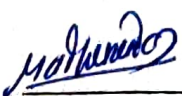
Under Ordinance No. 0.5042 & 0.5043 grace marks are indicated as " @ ".

Under Ordinance No. 0.5045 grace marks are indicated as " * ".

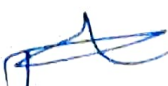
- 11 If more than one attempt is made for a subject, the subject in which passing marks have been obtained previously are followed by (+), to indicate them as marks carried over.
- 12 The letter grades and their equivalent grade points for each subject are as follows.

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

- 13 The Credit Based Grading System(CBGS) is applicable to a learner admitted for Second year (Diploma Student) from the academic year 2012-13 onwards.
- 14 For grading overall degree performance, aggregate marks of SE III sem to BE VIII semesters are considered.

Checked by : 
 Issued on: 16/10/2019




 Principal

SECOND YEAR
Semester III (CBGS)

Name of Student :

PAWAR VIRAJ SANTOSH SMITA

Seat Number :

917213011

Examination held in:

DECEMBER 2017

COURSE CODE	SUBJECT	COURSE CREDITS	GRADE			CREDIT EARNED (C)	GRADE POINTS (G)	C X G
			ESE/PR/ OR	IA/TW	OVERALL			
CHC301	APPLIED MATHEMATICS - III	3	E	D	E	3	5	15
		1	--	D	D	1	6	6
CHC302	ENGINEERING CHEMISTRY I	4	D	P	E	4	5	20
CHC303	FLUID FLOW (FF)	3	P	D	P	3	4	12
		1	--	A	A	1	9	9
CHC304	COMPUTER PROGRAMMING & NUMERICAL METHODS	3	C	P	D	3	6	18
		1	--	C	C	1	7	7
CHC305	PROCESS CALCULATIONS	3	D	D	D	3	6	18
		1	--	B	B	1	8	8
CHC306	CHEMICAL ENGINEERING ECONOMICS	3	P	P	P	3	4	12
		1	--	C	C	1	7	7
CHL307	CHEMICAL ENGINEERING LAB(FF)	1.5	A	--	A	1.5	9	13.5
CHL308	ENGINEERING CHEMISTRY LAB I	1.5	B	--	B	1.5	8	12
CHL309	COMPUTER PROGRAMMING & NUMERICAL METHODS LAB	1	O	--	O	1	10	10
Total		28				28	--	167.5

Remarks: Successful

SGPI: 5.98

CGPI:

Semester IV (CBGS)

Name of Student :

PAWAR VIRAJ SANTOSH SMITA

Seat Number :

917114027

Examination held in:

MAY 2017

COURSE CODE	SUBJECT	COURSE CREDITS	GRADE			CREDIT EARNED (C)	GRADE POINTS (G)	C X G
			ESE/PR/ OR	IA/TW	OVERALL			
CHC401	APPLIED MATHEMATICS - IV	3	C	P	D	3	6	18
		1	--	C	C	1	7	7
CHC402	ENGINEERING CHEMISTRY II	4	E	C	E	4	5	20
CHC403	CHEMICAL ENGINEERING THERMODYNAMICS-I	3	D	P	E	3	5	15
		1	--	O	O	1	10	10
CHC404	MATERIAL SCIENCE AND ENGINEERING	3	E	P	E	3	5	15
		1	--	C	C	1	7	7
CHC405	MECHANICAL EQUIPMENT AND DESIGN	3	P	P	P	3	4	12
		1	--	C	C	1	7	7
CHC406	SOLID FLUID MECHANICAL OPERATIONS	3	C	P	C	3	7	21
		1	--	C	C	1	7	7
CHL407	ENGINEERING CHEMISTRY LAB II	1.5	C	--	C	1.5	7	10.5
CHL408	COMMUNICATION ENGINEERING LAB (SFMO)	1.5	O	--	O	1.5	10	15
CHL409	M E D LAB	1	O	--	O	1	10	10
Total		28				28	--	174.5

Remarks: Successful

SGPI: 6.23

CGPI:

Checked by :



Principal

THIRD YEAR
Semester V (CBGS)

Name of Student :

PAWAR VIRAJ SANTOSH SMITA

Seat Number :

917215026

Examination held in: DECEMBER 2017

COURSE CODE	SUBJECT	COURSE CREDITS	GRADE			CREDIT EARNED (C)	GRADE POINTS (G)	C X G
			ESE/PR/OR	IA/TW	OVERALL			
CHC501	CHEMICAL ENGINEERING THERMODYNAMICS-II	3	E	P	E	3	5	15
		1	--	B	B	1	8	8
CHC502	MASS TRANSFER OPERATIONS-I (MTO-I)	3	C	E	C	3	7	21
		1	--	O	O	1	10	10
CHC503	HEAT TRANSFER OPERATIONS-I (HTO-I)	3	P	B	E	3	5	15
		1	--	O	O	1	10	10
CHC504	CHEMICAL REACTION ENGINEERING - I(CRE-I)	3	P	D	P	3	4	12
		1	--	A	A	1	9	9
CHC505	CHEMICAL TECHNOLOGY	3	P	A	D	3	6	18
CHC506	BUSINESS COMMUNICATION AND ETHICS	2	--	O	O	2	10	20
CHC507	CHEMICAL ENGG LAB(M T O -I)	1.5	B	--	B	1.5	8	12
CHC508	CHEMICAL ENGG LAB(C R E -I)	1.5	O	--	O	1.5	10	15
CHC509	CHEMICAL ENGG LAB(H T O -I)	1.5	O	--	O	1.5	10	15
CHC510	CHEMICAL ENGG LAB(SYNTHESIS)	1.5	O	--	O	1.5	10	15
Total		27				27	--	195

Remarks: Successful

SGPI: 7.22

CGPI:

Semester VI (CBGS)

Name of Student :

PAWAR VIRAJ SANTOSH SMITA

Seat Number :

918116026

Examination held in: MAY 2018

COURSE CODE	SUBJECT	COURSE CREDITS	GRADE			CREDIT EARNED (C)	GRADE POINTS (G)	C X G
			ESE/PR/OR	IA/TW	OVERALL			
CHC601	INSTRUMENTATION	3	C	D	C	3	7	21
		1	--	O	O	1	10	10
CHC602	MASS TRANSFER OPERATION -II (M T O-II)	3	D	C	D	3	6	18
		1	--	O	O	1	10	10
CHC603	HEAT TRANSFER OPERATION -II (H T O-II)	3	D	D	D	3	6	18
		1	--	O	O	1	10	10
CHC604	CHEMICAL REACTION ENGINEERING - II(C R E-II)	3	P	C	P	3	4	12
		1	--	C	C	1	7	7
CHC605	PLANT ENGINEERING	4	D	P	D	4	6	24
CHE606	COMPUTATIONAL FLUID DYNAMICS	4	C	P	C	4	7	28
CHL607	CHEMICAL ENGG LAB(M T O-II)	1.5	C/P	--	D	1.5	6	9
CHL608	CHEMICAL ENGG LAB(C R E-II)	1.5	O	--	O	1.5	10	15
CHL609	CHEMICAL ENGG LAB(H T O-II)	1	O	--	O	1	10	10
Total		28				28	--	192

Remarks: Successful

SGPI: 6.86

CGPI:

Checked by :



Principal

FOURTH YEAR
Semester VII (CBGS)

Name of Student :

PAWAR VIRAJ SANTOSH SMITA

Seat Number :

5170522

Examination held in: NOVEMBER 2018

COURSE CODE	SUBJECT	COURSE CREDITS	GRADE			CREDIT EARNED (C)	GRADE POINTS (G)	C X G
			ESE/PR/OR	IA/TW	OVERALL			
CHC701	PROCESS EQUIPMENT DESIGN (PED)	3	C	D	C	3	7	21
		1	--	O	O	1	10	10
CHC702	PROCESS ENGINEERING	3	E	B	D	3	6	18
		1	--	O	O	1	10	10
CHC703	PROCESS DYNAMICS AND CONTROL (PDC)	3	D	P	D	3	6	18
		1	--	C	C	1	7	7
CHE706	PETROLEUM REFINING TECHNOLOGY	4	C	D	C	4	7	28
CHS706	SEMINAR	3	O	--	O	3	10	30
CHP705	PROJECT - A	3	O	O	O	3	10	30
CHL707	CHEMICAL ENGG LAB (PED)	1.5	O	--	O	1.5	10.0	15.0
CHL708	CHEMICAL ENGG LAB (PDC)	1.5	B	B	B	1.5	8.0	12.0
Total		25				25	--	199.00

Remarks: Successful

SGPI: 7.96

CGPI:

Semester VIII (CBGS)

Name of Student :

PAWAR VIRAJ SANTOSH SMITA

Seat Number :

5181512

Examination held in: MAY 2019

COURSE CODE	SUBJECT	COURSE CREDITS	GRADE (ESE+IA) (TW+OR+PR)	CREDIT EARNED (C)	GRADE POINTS (G)	C X G
CHC801	MODELLING,SIMULATION & OPTIMIZATION (MSO)	3	D	3	6	18
		1	O	1	10	10
CHC802	PROJECT ENGINEERING & ENTREPRENEURSHIP MANAGEMENT	3	D	3	6	18
		1	B	1	8	8
CHC803	ENVIRONMENTAL ENGINEERING (EE)	4	E	4	5	20
CHC804	ENERGY SYSTEM DESIGN	3	C	3	7	21
		1	A	1	9	9
CHE805	NANOTECHNOLOGY	4	C	4	7	28
CHL807	CHEMICAL ENGINEERING LAB (EE)	1	O	1	10	10
CHL808	CHEMICAL ENGINEERING LAB (MSO)	1	O	1	10	10
CHP806	PROJECT -B	6	O	6	10	60
Total		28		28	--	212.00

SGPI

SGPI

(DIPLOMA STUDENT)

SEM-III :5.98

SEM-IV :6.23

SEM-V :7.22

SEM-VI :6.86

SEM-VII :7.96

SEM-VIII :7.57

Remarks: Successful

CGPI: 6.97

Checked by :



Principal