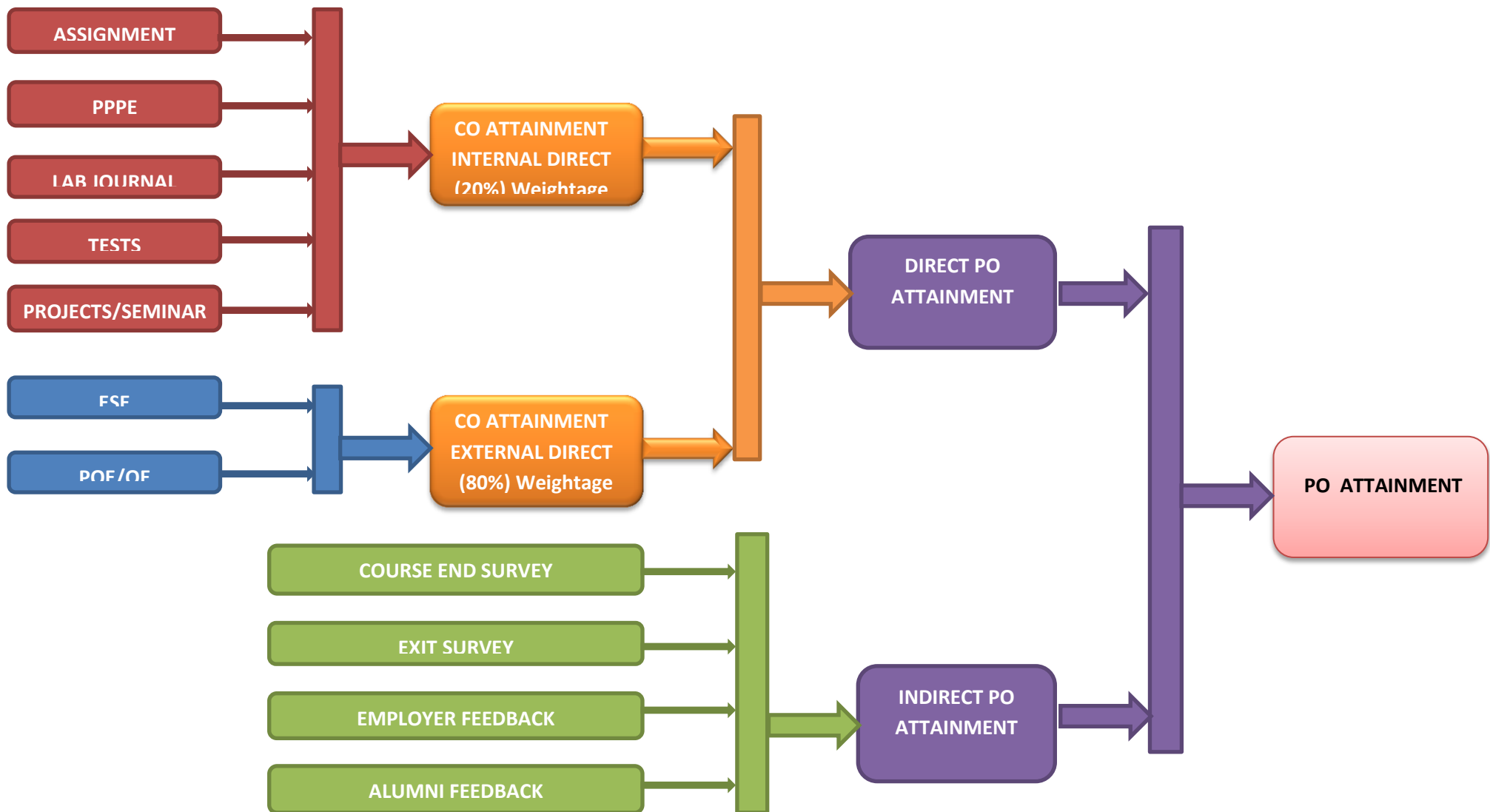




Shri Vithal Education & Research Institute's
College of Engineering, Pandharpur

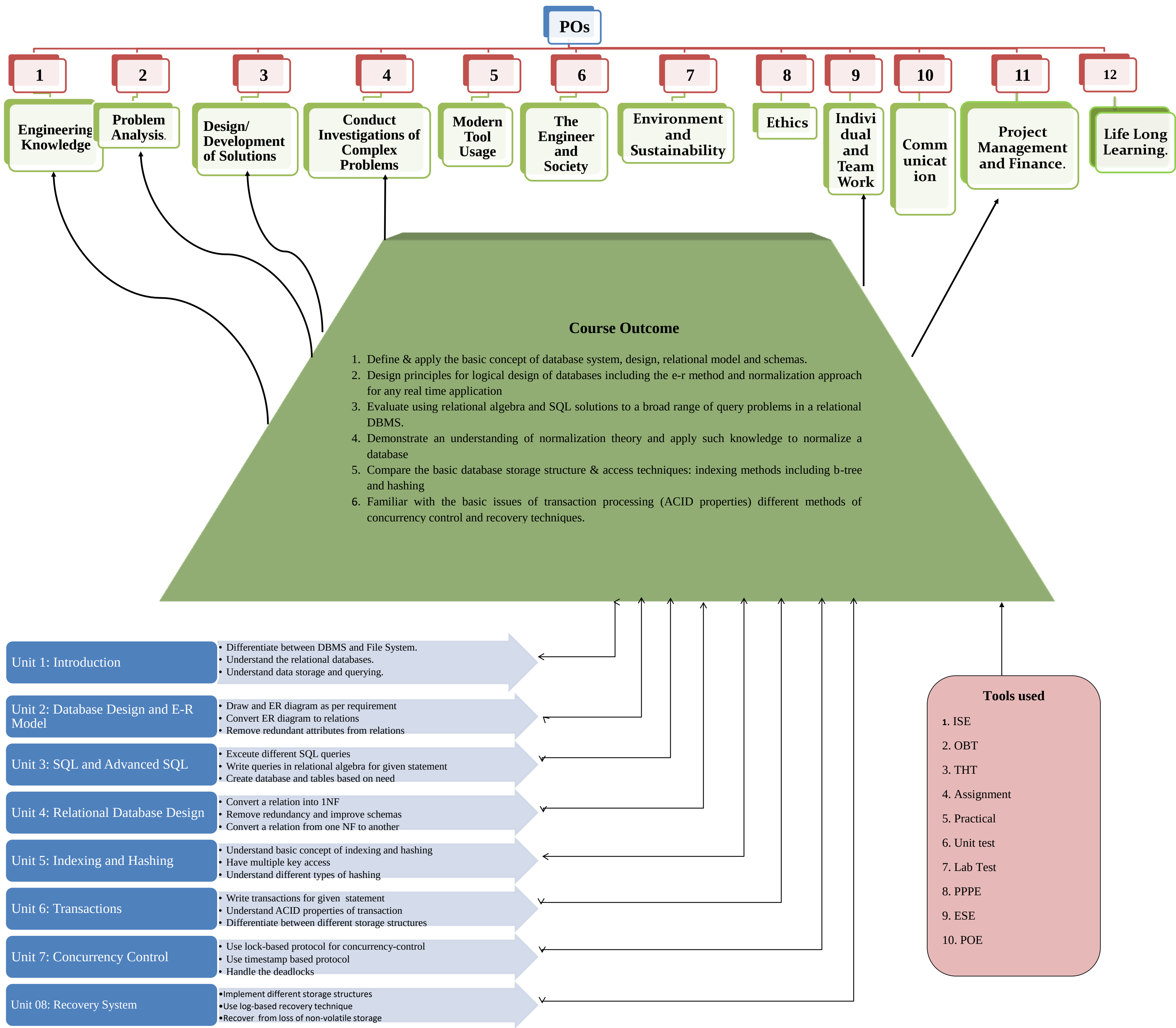
2.6.2 Attainment of Program Outcomes and Course Outcomes

COURSE AND PROGRAM OUTCOME ASSESSMENT PROCESS



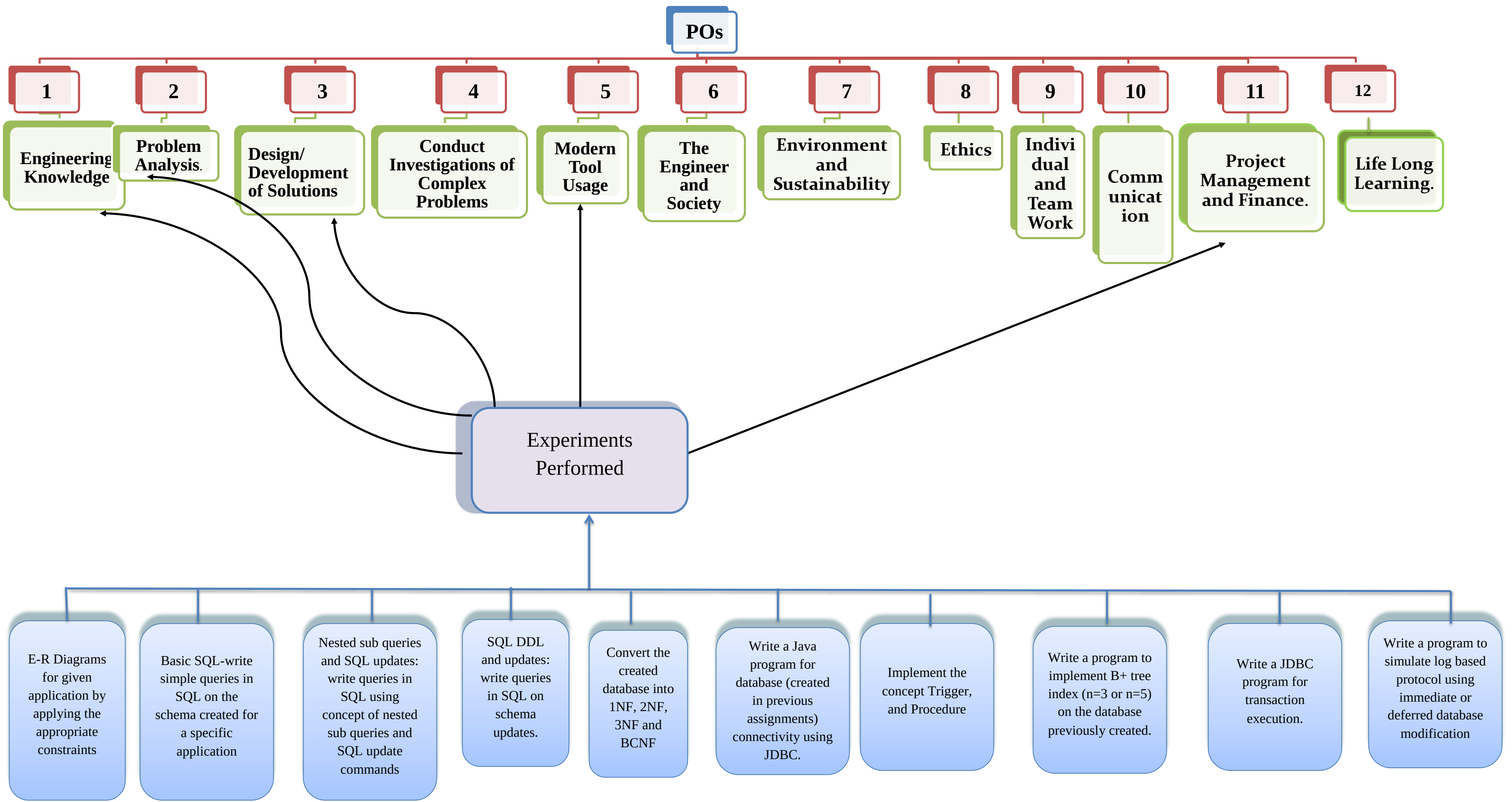
TOOL-CO-PO – PSO LINKING (THEORY)

Contribution of “Database Engineering”
(TY – Part I) in Attainment of POs



**TOOL-CO-PO – PSO LINKING
(LAB PRACTICALS)**

Contribution of “Database Engineering”
(TY – Part I) in Attainment of POs



**Course Outcomes and Program
Outcomes Attainment Sheets Generated
by Rwork (LMS)**

COURSE CO INFORMATION REPORT

ACADEMIC YEAR: 2019-20

PROGRAM: UNDER GRADUATE IN COMPUTER SCIENCE AND ENGINEERING

CLASS: THIRD YEAR

SEMESTER: SEMESTER I

DIVISION: B

COURSE: DATABASE ENGINEERING (CS313-18)

Sr. No.	CO Code	CO Statements	Bloom's Level
1	CS313-18.1	DEFINE & APPLY THE BASIC CONCEPT OF DATABASE SYSTEM, DESIGN, RELATIONAL MODEL AND SCHEMAS.	BL3 APPLY
2	CS313-18.2	DESIGN PRINCIPLES FOR LOGICAL DESIGN OF DATABASES INCLUDING THE E-R METHOD AND NORMALIZATION APPROACH FOR ANY REAL TIME APPLICATION	BL3 APPLY
3	CS313-18.3	EVALUATE USING RELATIONAL ALGEBRA AND SQL SOLUTIONS TO A BROAD RANGE OF QUERY PROBLEMS IN A RELATIONAL DBMS	BL6 CREATE
4	CS313-18.4	DEMONSTRATE AN UNDERSTANDING OF NORMALIZATION THEORY AND APPLY SUCH KNOWLEDGE TO NORMALIZE A DATABASE	BL5 EVALUATE
5	CS313-18.5	COMPARE THE BASIC DATABASE STORAGE STRUCTURE & ACCESS TECHNIQUES: INDEXING METHODS INCLUDING B-TREE AND HASHING	BL6 CREATE
6	CS313-18.6	FAMILIAR WITH THE BASIC ISSUES OF TRANSACTION PROCESSING (ACID PROPERTIES) DIFFERENT METHODS OF CONCURRENCY CONTROL AND RECOVERY TECHNIQUES.	BL5 EVALUATE

COURSE PO MAPPING INDEX REPORT

ACADEMIC YEAR: 2019-20

DEPARTMENT: COMPUTER SCIENCE AND ENGINEERING

PROGRAM: UNDER GRADUATE IN COMPUTER SCIENCE AND ENGINEERING

CLASS: THIRD YEAR

DIVISION: B

SEMESTER: SEMESTER I

COURSE: DATABASE ENGINEERING (CS313-18)

Sr. No.	CO Code	CO Statement	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	CS313-18.1	DEFINE & APPLY THE BASIC CONCEPT OF DATABASE SYSTEM, DESIGN, RELATIONAL MODEL AND SCHEMAS.	3	3	3	3	1	NA	1	NA	1	NA	1	NA	2	3	3
2	CS313-18.2	DESIGN PRINCIPLES FOR LOGICAL DESIGN OF DATABASES INCLUDING THE E-R METHOD AND NORMALIZATION APPROACH FOR ANY REAL TIME APPLICATION	3	3	3	3	2	1	1	NA	1	NA	1	NA	2	3	3
3	CS313-18.3	EVALUATE USING RELATIONAL ALGEBRA AND SQL SOLUTIONS TO A BROAD RANGE OF QUERY PROBLEMS IN A RELATIONAL DBMS	3	3	3	3	1	1	1	NA	1	NA	1	NA	2	3	3
4	CS313-18.4	DEMONSTRATE AN UNDERSTANDING OF NORMALIZATION THEORY AND APPLY SUCH KNOWLEDGE TO NORMALIZE A DATABASE	3	3	3	2	2	1	1	NA	1	NA	1	NA	2	3	3
5	CS313-18.5	COMPARE THE BASIC DATABASE STORAGE STRUCTURE & ACCESS TECHNIQUES: INDEXING METHODS INCLUDING B-TREE AND HASHING	3	3	3	3	1	NA	1	NA	NA	NA	1	NA	2	3	3
6	CS313-18.6	FAMILIAR WITH THE BASIC ISSUES OF TRANSACTION PROCESSING (ACID PROPERTIES) DIFFERENT METHODS OF CONCURRENCY CONTROL AND RECOVERY TECHNIQUES.	3	3	3	2	1	NA	1	NA	NA	NA	1	NA	2	3	3

Course PO Matrix

Sr. No.	Course Code	Course Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	CS313-18	DATABASE ENGINEERING	3	3	3	2.67	1.33	1	1	NA	1	NA	1	NA	2	3	3

COURSE-CO ATTAINMENT

DEPARTMENT: COMPUTER SCIENCE AND ENGINEERING

PROGRAM: UNDER GRADUATE IN COMPUTER SCIENCE AND ENGINEERING

CLASS: THIRD YEAR

DIVISION: B

SEMESTER: SEMESTER I

COURSE : DATABASE ENGINEERING (CS313-18)

ACADEMIC YEAR: 2019-20

DATABASE ENGINEERING (CS313-18) Co Attainment THIRD YEAR Div.- B for A.Y - 2019-20

Attainment through Board Examination Weightage (%): 80

Sr. No.	Tools	CS313-18.1	CS313-18.2	CS313-18.3	CS313-18.4	CS313-18.5	CS313-18.6
		Attainment	Attainment	Attainment	Attainment	Attainment	Attainment
1	ESE	3	3	3	3	3	3
2	POE	3	3	3	NA	NA	NA
Attainment of External Assessment		3.00	3.00	3.00	3.00	3.00	3.00

Attainment through Internal Assessment Weightage (%): 20

Sr. No.	Tools	CS313-18.1		CS313-18.2		CS313-18.3		CS313-18.4		CS313-18.5		CS313-18.6	
		Target	Attainment	Target	Attainment	Target	Attainment	Target	Attainment	Target	Attainment	Target	Attainment
1	ISE-1	2	3	2	2	NA	NA	NA	NA	NA	NA	NA	NA
2	OBT-1	3	NA	3	3	NA	NA	NA	NA	NA	NA	NA	NA
3	THT-1	3	3	3	3	NA	NA	NA	NA	NA	NA	NA	NA
4	ISE-2	NA	NA	NA	NA	2	3	2	NA	NA	NA	NA	NA
5	OBT-2	NA	NA	NA	NA	3	3	3	NA	NA	NA	NA	NA
6	THT-2	NA	NA	NA	NA	3	3	3	NA	NA	NA	NA	NA
7	ISE-3	NA	NA	NA	NA	NA	NA	NA	NA	2	3	2	3
8	OBT-3	NA	NA	NA	NA	NA	NA	NA	NA	3	NA	3	3
9	THT-3	NA	NA	NA	NA	NA	NA	NA	NA	3	NA	3	3
10	UT-1	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	UT-2	NA	NA	NA	NA	3	3	NA	NA	NA	NA	NA	NA
12	UT-3	NA	NA	NA	NA	NA	NA	NA	NA	3	3	NA	NA
13	ASSIGNMENT	3	3	3	3	3	3	3	3	3	3	3	3
14	PPPE	3	3	3	3	3	3	3	NA	3	3	3	3
15	LAB BOOK	NA	3	3	3	3	3	NA	NA	NA	NA	NA	3
16	LAB TEST 1	NA	NA	3	NA	3	3	NA	NA	NA	NA	NA	NA
Target and Attainment of Internal Assessment		2.83	3.00	2.86	2.83	2.88	3.00	2.80	3.00	2.83	3.00	2.80	3.00

Overall Course CO Attainment

Sr. No.	Tool Type	CS313-18.1		CS313-18.2		CS313-18.3		CS313-18.4		CS313-18.5		CS313-18.6		Overall Attainment	
		Target	Attainment	Target	Attainment	Target	Attainment	Target	Attainment	Target	Attainment	Target	Attainment	Target	Attainment
1	Attainment through Board Exam	2.83	3.00		3.00		3.00		3.00		3.00		3.00	2.83	3.00
2	Attainment through Internal Assessment	2.83	3.00	2.86	2.83	2.88	3.00	2.80	3.00	2.83	3.00	2.80	3.00	2.83	2.97
Co Target and Direct Attainment		2.83	3.00	2.86	2.97	2.88	3.00	2.80	3.00	2.83	3.00	2.80	3.00	2.83	3.00

CO ATTAINMENT REPORT: END SEMESTER EXAMINATION

ACADEMIC YEAR: 2019-20

DEPARTMENT: COMPUTER SCIENCE AND ENGINEERING

PROGRAM: UNDER GRADUATE IN COMPUTER SCIENCE AND ENGINEERING

CLASS: THIRD YEAR DIVISION: B

COURSE: DATABASE ENGINEERING (CS313-18)

TOOL: ESE

TOOL MAX. MARKS: 70

Exam Seat No.	Roll No.	Name of Student	Obtained Marks
-	151CS11070	SAMEER IMTIYAZ DEVALE	29
-	161CS11040	PRAFULLA RAJENDRA GAIKWAD	11
-	161CS11091	MONALI RAVINDRA DAGADE	28
-	161CS11094	SNEHAL DEVIDAS KARANDE	40
-	171CS11015	TUKARAM ADLINGE REVATI	35
-	171CS11018	KRANTI SANJAY SIDDHAGANESH	33
-	171CS11020	SNEHA ANURUDRA SHINDE	45
-	171CS11021	ABHISHEK GURUPADAPPA ALAGI	30
-	171CS11022	SRUSHTI RAHUL DINDORE	23
-	171CS11026	YOGITA JITENDRA ATHAWALE	38
-	171CS11033	DATTA BHOI CHANDANI	37
-	171CS11035	NIKITA JAYKUMAR PATIL	43
-	171CS11037	AISHWARYA DEVIDAS METKARI	49
-	171CS11039	SHUBHANGI VISHNU KHADAKE	42
-	171CS11043	KUNDAN SALUNKE AMOL	32
-	171CS11049	PRACHI PRASAD GURAV	31
-	171CS11050	PRATIKSHA RAVINDRA GAIKWAD	30
-	171CS11053	SUMEET SHIVRAJ MULGE	28
-	171CS11054	BHAGYASHRI ARUN MUNDHE	40
-	171CS11062	PRAJKTA VIJAY ASABE	45
-	171CS11065	SHRADDHA RAVINDRA PADWAL	28
-	171CS11067	RAJSHREE PANDURANG GAIKWAD	33
-	171CS11073	SHIVANI NAGNATH SWAMI	32
-	171CS11076	SNEHAL RAGHUNATH PISE	29
-	171CS11078	SANJAY BHIMRAO HONMANE	29
-	171CS11084	PRUTHVIRAJ TUKARAM PATIL	37
-	171CS11090	ANKITA PRADIP BHOITE	32
-	171CS11093	SHIVANI SUHAS SHENDE	38
-	171CS11094	BALASAHEB SAWANT RAVIRAJ	39
-	171CS11101	SANDESH SUDHAKAR NARKAR	22
-	171CS11102	SUJATA RAMESH BIRAJDAR	34
-	171CS11104	VIJAY TANAJI GHADAGE	28
-	171CS11106	ARBAJ FARUK SHAIKH	30
-	171CS11107	SAKSHI RAJENDRASINH MANDWALE	28
-	171CS11114	GUPTA RAJAT	38
-	181CS12001	SNEHA NAGESH PANDIT	37
-	181CS12002	KAVITA KANTILAL PARDESHI	37
-	181CS12003	ANU VINOD JARE	34
-	181CS12004	VAISHNAVI RAMEHWAR BHOGAWAKAR	32
-	181CS12005	SUMAYYA DASTGIR MANERI	41
-	181CS12006	KOMAL SUDHIR KADLASKAR	40
-	181CS12007	SNEHAL BALASAHEB PATIL	38
-	181CS12008	SWAPNALI GANESH PATIL	45
-	181CS12009	DIPALI SUDAM JADHAV	37
-	181CS12010	PRAVIN VIJAYKUMAR SHEDBALE	41
-	181CS12011	PALLAVI RAJESH PANGUDWALE	38
-	181CS12012	HARSHDA SUNIL BHANDARE	39
-	181CS12013	MAMTA MOHANLAL JANGID	44
-	181CS12014	PRANOTI CHANDRAKANT SARVAGOD	43
-	181CS12015	SANDESH PANDIT KOLI	48
-	181CS12016	PUNAM SATISH SUTAR	40
-	181CS12017	SUNIL SHIVASHARAN SWATI	44
-	181CS12018	POOJA SUNIL SARAVADE	41
-	181CS12020	HRITIVKH SANTOSH NAMADE	29
-	181CS12021	VAISHNAVIDEVI VILAS TODKARI	31
-	181CS12022	PRIYANKA SANTOSH GAWALI	41
-	181CS12023	SUSHANT GANESH KUMBHAR	40
-	181CS12024	DIPALI POPAT LIGADE	34
-	181CS12025	SHRAVANI SADASHIV GAIKWAD	41
-	181CS12027	SNEHAL RAMESHWAR SWAMI	35
-	181CS12028	POOJA UTTAM BELDAR	35
-	181CS12030	AISHWARYA PRADEEP MULADE	41

Number of Students: 62

Tool CO Attainment

Target Level(%): 40

	Overall
	59
No. of Applicable Students	62
% Students achieving Target Level	95.16
Attainment Level	3

	Linked CO					
	CS313-18.1	CS313-18.2	CS313-18.3	CS313-18.4	CS313-18.5	CS313-18.6
Attainment Level	3	3	3	3	3	3

CO ATTAINMENT REPORT: PRACTICAL AND ORAL EXAMINATION

ACADEMIC YEAR: 2019-20

DEPARTMENT: COMPUTER SCIENCE AND ENGINEERING
PROGRAM: UNDER GRADUATE IN COMPUTER SCIENCE AND
ENGINEERING

CLASS: THIRD YEAR

DIVISION: B

COURSE: DATABASE ENGINEERING (CS313-18)

TOOL: POE

TOOL MAX. MARKS: 50

Roll No.	Name of Student	Obtained Marks
161CS11091	MONALI RAVINDRA DAGADE	36
161CS11094	SNEHAL DEVIDAS KARANDE	36
171CS11015	TUKARAM ADLINGE REVATI	37
171CS11018	KRANTI SANJAY SIDDHAGANESH	45
171CS11020	SNEHA ANURUDRA SHINDE	46
171CS11021	ABHISHEK GURUPADAPPA ALAGI	39
171CS11022	SRUSHTI RAHUL DINDORE	35
171CS11026	YOGITA JITENDRA ATHAWALE	40
171CS11033	DATTA BHOI CHANDANI	39
171CS11035	NIKITA JAYKUMAR PATIL	36
171CS11037	AISHWARYA DEVIDAS METKARI	39
171CS11039	SHUBHANGI VISHNU KHADAKE	35
171CS11043	KUNDAN SALUNKE AMOL	44
171CS11044	SNEHA SANJAY YERNALE	35
171CS11049	PRACHI PRASAD GURAV	43
171CS11050	PRATIKSHA RAVINDRA GAIKWAD	35
171CS11053	SUMEET SHIVRAJ MULGE	39
171CS11054	BHAGYASHRI ARUN MUNDHE	39
171CS11062	PRAJKA VIJAY ASABE	25
171CS11065	SHRADDHA RAVINDRA PADWAL	41
171CS11067	RAJSHREE PANDURANG GAIKWAD	37
171CS11073	SHIVANI NAGNATH SWAMI	25
171CS11076	SNEHAL RAGHUNATH PISE	35
171CS11078	SANJAY BHIMRAO HONMANE	41
171CS11084	PRUTHVIRAJ TUKARAM PATIL	36
171CS11090	ANKITA PRADIP BHOITE	39
171CS11093	SHIVANI SUHAS SHENDE	40
171CS11094	BALASAHEB SAWANT RAVIRAJ	35
171CS11101	SANDESH SUDHAKAR NARKAR	44
171CS11102	SUJATA RAMESH BIRAJDAR	38
171CS11104	VIJAY TANAJI GHADAGE	11
171CS11106	ARBAJ FARUK SHAIKH	37
171CS11107	SAKSHI RAJENDRASINH MANDWALE	35
171CS11114	GUPTA RAJAT	47
181CS12001	SNEHA NAGESH PANDIT	44
181CS12002	KAVITA KANTILAL PARDESHI	41
181CS12003	ANU VINOD JARE	43
181CS12004	VAISHNAVI RAMEHWAR BHOGAWAKAR	44
181CS12005	SUMAYYA DASTGIR MANERI	40
181CS12006	KOMAL SUDHIR KADLASKAR	42
181CS12007	SNEHAL BALASAHEB PATIL	39
181CS12008	SWAPNALI GANESH PATIL	43
181CS12009	DIPALI SUDAM JADHAV	41
181CS12010	PRAVIN VIJAYKUMAR SHEDBALE	48
181CS12011	PALLAVI RAJESH PANGUDWALE	38
181CS12012	HARSHDA SUNIL BHANDARE	38
181CS12013	MAMTA MOHANLAL JANGID	42
181CS12014	PRANOTI CHANDRAKANT SARVAGOD	38
181CS12015	SANDESH PANDIT KOLI	46
181CS12016	PUNAM SATISH SUTAR	36
181CS12017	SUNIL SHIVASHARAN SWATI	40
181CS12018	POOJA SUNIL SARAVADE	39
181CS12020	HRITIVKH SANTOSH NAMADE	38
181CS12021	VAISHNAVIDEVI VILAS TODKARI	41
181CS12022	PRIYANKA SANTOSH GAWALI	42
181CS12023	SUSHANT GANESH KUMBHAR	44
181CS12024	DIPALI POPAT LIGADE	32
181CS12025	SHRAVANI SADASHIV GAIKWAD	25
181CS12027	SNEHAL RAMESHWAR SWAMI	43
181CS12028	POOJA UTTAM BELDAR	25
181CS12030	AISHWARYA PRADEEP MULADE	39

Number of Students: 61

Tool CO Attainment

Target Level(%): 50

	Overall
No. of Students achieving Target Level	60
No. of Applicable Students	61
% Students achieving Target Level	98.36
Attainment Level	3

	Linked CO		
	CS313-18.2	CS313-18.3	CS313-18.6
Attainment Level	3	3	3

CO ATTAINMENT REPORT: IN SEMESTER EXAMINATION-I

ACADEMIC YEAR: 2019-20

DEPARTMENT: COMPUTER SCIENCE AND ENGINEERING

PROGRAM: UNDER GRADUATE IN COMPUTER SCIENCE AND ENGINEERING

CLASS: THIRD YEAR

DIVISION: B

COURSE: DATABASE ENGINEERING (CS313-18)

TOOL NAME: ISE-1

TOOL MAX. MARKS: 20

Roll No.	Name of Student	Linked CO	CS313-18.1	CS313-18.2	CS313-18.1	CS313-18.2	CS313-18.2	CS313-18.1			CS313-18.2		
		Max. Marks	2	2	4	4	8	Max. Marks	Obtained Marks	% Marks	Max. Marks	Obtained Marks	% Marks
		Q. No. / Total Obtained Marks	Q1	Q2	Q3	Q4	Q5						
151CS11070	SAMEER IMTIYAZ DEVALE	8	1	1	2	2	2	6	3	50	14	5	35.71
161CS11040	PRAFULLA RAJENDRA GAIKWAD	8	1	1	2	2	2	6	3	50	14	5	35.71
161CS11091	MONALI RAVINDRA DAGADE	13	2	2	3	3	3	6	5	83.33	14	8	57.14
161CS11094	SNEHAL DEVIDAS KARANDE	8	1	1	2	2	2	6	3	50	14	5	35.71
171CS11015	TUKARAM ADLINGE REVATI	13	2	2	3	3	3	6	5	83.33	14	8	57.14
171CS11018	KRANTI SANJAY SIDDHAGANESH	13	2	2	3	3	3	6	5	83.33	14	8	57.14
171CS11020	SNEHA ANURUDRA SHINDE	17	2	2	3	3	7	6	5	83.33	14	12	85.71
171CS11021	ABHISHEK GURUPADAPPA ALAGI	10	2	2	2	2	2	6	4	66.67	14	6	42.86
171CS11022	SRUSHTI RAHUL DINDORE	8	1	1	2	2	2	6	3	50	14	5	35.71
171CS11026	YOGITA JITENDRA ATHAWALE	9	1	1	2	2	3	6	3	50	14	6	42.86
171CS11033	DATTA BHOI CHANDANI	11	2	2	2	1	4	6	4	66.67	14	7	50
171CS11035	NIKITA JAYKUMAR PATIL	13	2	2	2	2	5	6	4	66.67	14	9	64.29
171CS11037	AISHWARYA DEVIDAS METKARI	17	2	2	3	3	7	6	5	83.33	14	12	85.71
171CS11039	SHUBHANGI VISHNU KHADAKE	9	1	1	2	2	3	6	3	50	14	6	42.86
171CS11043	KUNDAN SALUNKE AMOL	12	2	2	2	2	4	6	4	66.67	14	8	57.14
171CS11044	SNEHA SANJAY YERNALE	8	1	1	2	2	2	6	3	50	14	5	35.71
171CS11049	PRACHI PRASAD GURAV	14	2	2	3	3	4	6	5	83.33	14	9	64.29
171CS11050	PRATIKSHA RAVINDRA GAIKWAD	8	1	1	2	2	2	6	3	50	14	5	35.71
171CS11053	SUMEET SHIVRAJ MULGE	10	1	1	2	2	4	6	3	50	14	7	50
171CS11054	BHAGYASHRI ARUN MUNDHE	10	1	1	2	2	4	6	3	50	14	7	50
171CS11062	PRAJKTA VIJAY ASABE	11	1	1	2	3	4	6	3	50	14	8	57.14
171CS11065	SHRADDHA RAVINDRA PADWAL	16	2	2	2	3	7	6	4	66.67	14	12	85.71
171CS11067	RAJSHREE PANDURANG GAIKWAD	8	1	1	2	2	2	6	3	50	14	5	35.71
171CS11073	SHIVANI NAGNATH SWAMI	8	1	1	2	2	2	6	3	50	14	5	35.71
171CS11076	SNEHAL RAGHUNATH PISE	15	2	2	2	3	6	6	4	66.67	14	11	78.57
171CS11078	SANJAY BHIMRAO HONMANE	8	1	1	2	2	2	6	3	50	14	5	35.71
171CS11084	PRUTHVIRAJ TUKARAM PATIL	8	1	1	2	2	2	6	3	50	14	5	35.71
171CS11090	ANKITA PRADIP BHOITE	11	1	1	2	2	5	6	3	50	14	8	57.14
171CS11093	SHIVANI SUHAS SHENDE	13	1	2	3	3	4	6	4	66.67	14	9	64.29
171CS11094	BALASAHEB SAWANT RAVIRAJ	9	1	1	2	2	3	6	3	50	14	6	42.86
171CS11101	SANDESH SUDHAKAR NARKAR	12	1	1	2	3	5	6	3	50	14	9	64.29

Roll No.	Name of Student	Linked CO	CS313-18.1	CS313-18.2	CS313-18.1	CS313-18.2	CS313-18.2	CS313-18.1			CS313-18.2		
		Max. Marks	2	2	4	4	8	Max. Marks	Obtained Marks	% Marks	Max. Marks	Obtained Marks	% Marks
		Q. No. / Total Obtained Marks	Q1	Q2	Q3	Q4	Q5						
171CS11102	SUJATA RAMESH BIRAJDAR	8	1	1	2	2	2	6	3	50	14	5	35.71
171CS11104	VIJAY TANAJI GHADAGE	8	1	1	2	2	2	6	3	50	14	5	35.71
171CS11106	ARBAJ FARUK SHAIKH	9	1	1	2	2	3	6	3	50	14	6	42.86
171CS11107	SAKSHI RAJENDRASINH MANDWALE	8	1	1	2	2	2	6	3	50	14	5	35.71
171CS11114	GUPTA RAJAT	12	2	2	2	2	4	6	4	66.67	14	8	57.14
181CS12001	SNEHA NAGESH PANDIT	17	2	2	3	3	7	6	5	83.33	14	12	85.71
181CS12002	KAVITA KANTILAL PARDESHI	16	2	2	3	3	6	6	5	83.33	14	11	78.57
181CS12003	ANU VINOD JARE	17	2	2	3	3	7	6	5	83.33	14	12	85.71
181CS12004	VAISHNAVI RAMEHWAR BHOGAWAKAR	11	2	2	2	2	3	6	4	66.67	14	7	50
181CS12005	SUMAYYA DASTGIR MANERI	15	2	2	3	3	5	6	5	83.33	14	10	71.43
181CS12006	KOMAL SUDHIR KADLASKAR	15	2	2	3	3	5	6	5	83.33	14	10	71.43
181CS12007	SNEHAL BALASAHEB PATIL	16	2	2	4	3	5	6	6	100	14	10	71.43
181CS12008	SWAPNALI GANESH PATIL	16	2	2	3	3	6	6	5	83.33	14	11	78.57
181CS12009	DIPALI SUDAM JADHAV	14	2	2	3	3	4	6	5	83.33	14	9	64.29
181CS12010	PRAVIN VIJAYKUMAR SHEDBALE	18	2	2	3	4	7	6	5	83.33	14	13	92.86
181CS12011	PALLAVI RAJESH PANGUDWALE	16	2	2	3	3	6	6	5	83.33	14	11	78.57
181CS12012	HARSHDA SUNIL BHANDARE	11	2	2	2	2	3	6	4	66.67	14	7	50
181CS12013	MAMTA MOHANLAL JANGID	15	2	2	3	3	5	6	5	83.33	14	10	71.43
181CS12014	PRANOTI CHANDRAKANT SARVAGOD	15	2	2	3	3	5	6	5	83.33	14	10	71.43
181CS12015	SANDESH PANDIT KOLI	12	2	2	2	2	4	6	4	66.67	14	8	57.14
181CS12016	PUNAM SATISH SUTAR	9	1	1	2	2	3	6	3	50	14	6	42.86
181CS12017	SUNIL SHIVASHARAN SWATI	10	1	1	2	2	4	6	3	50	14	7	50
181CS12018	POOJA SUNIL SARAVADE	14	2	2	3	2	5	6	5	83.33	14	9	64.29
181CS12020	HRITIVKH SANTOSH NAMADE	12	2	2	2	2	4	6	4	66.67	14	8	57.14
181CS12021	VAISHNAVIDEVI VILAS TODKARI	11	2	2	2	2	3	6	4	66.67	14	7	50
181CS12022	PRIYANKA SANTOSH GAWALI	13	2	2	3	2	4	6	5	83.33	14	8	57.14
181CS12023	SUSHANT GANESH KUMBHAR	11	1	2	3	3	2	6	4	66.67	14	7	50
181CS12024	DIPALI POPAT LIGADE	15	2	2	3	3	5	6	5	83.33	14	10	71.43
181CS12025	SHRAVANI SADASHIV GAIKWAD	10	2	2	2	2	2	6	4	66.67	14	6	42.86
181CS12027	SNEHAL RAMESHWAR SWAMI	13	2	2	3	3	3	6	5	83.33	14	8	57.14
181CS12028	POOJA UTTAM BELDAR	13	2	2	3	3	3	6	5	83.33	14	8	57.14
181CS12030	AISHWARYA PRADEEP MULADE	17	2	2	3	3	7	6	5	83.33	14	12	85.71

Number of Students: 63

Tool CO Attainment

Target Level(%): 40

Linked CO	CS313-18.1	CS313-18.2
No. of Students achieving Target Level	63	50
No. of Applicable Students	63	63
% Students achieving Target Level	100	79.37
Attainment Level	3	2

CO ATTAINMENT REPORT: OPEN BOOK TEST-I

ACADEMIC YEAR: 2019-20

DEPARTMENT: COMPUTER SCIENCE AND ENGINEERING

PROGRAM: UNDER GRADUATE IN COMPUTER SCIENCE AND ENGINEERING

CLASS: THIRD YEAR

DIVISION: B

COURSE: DATABASE ENGINEERING (CS313-18)

TOOL NAME: OBT-1

TOOL MAX. MARKS: 20

Roll No.	Name of Student	Linked CO	CS313-18.2	CS313-18.2		
		Max. Marks	20	Max. Marks	Obtained Marks	% Marks
		Q. No. / Total Obtained Marks	Q1			
151CS11070	SAMEER IMTIYAZ DEVALE	16	16	20	16	80
161CS11040	PRAFULLA RAJENDRA GAIKWAD	14	14	20	14	70
161CS11091	MONALI RAVINDRA DAGADE	17	17	20	17	85
161CS11094	SNEHAL DEVIDAS KARANDE	10	10	20	10	50
171CS11015	TUKARAM ADLINGE REVATI	15	15	20	15	75
171CS11018	KRANTI SANJAY SIDDHAGANESH	19	19	20	19	95
171CS11020	SNEHA ANURUDRA SHINDE	19	19	20	19	95
171CS11021	ABHISHEK GURUPADAPPA ALAGI	16	16	20	16	80
171CS11022	SRUSHTI RAHUL DINDORE	14	14	20	14	70
171CS11026	YOGITA JITENDRA ATHAWALE	12	12	20	12	60
171CS11033	DATTA BHOI CHANDANI	14	14	20	14	70
171CS11035	NIKITA JAYKUMAR PATIL	19	19	20	19	95
171CS11037	AISHWARYA DEVIDAS METKARI	18	18	20	18	90
171CS11039	SHUBHANGI VISHNU KHADAKE	13	13	20	13	65
171CS11043	KUNDAN SALUNKE AMOL	19	19	20	19	95
171CS11044	SNEHA SANJAY YERNALE	12	12	20	12	60
171CS11049	PRACHI PRASAD GURAV	19	19	20	19	95
171CS11050	PRATIKSHA RAVINDRA GAIKWAD	15	15	20	15	75
171CS11053	SUMEET SHIVRAJ MULGE	15	15	20	15	75
171CS11054	BHAGYASHRI ARUN MUNDHE	19	19	20	19	95
171CS11062	PRAJKTA VIJAY ASABE	16	16	20	16	80
171CS11065	SHRADDHA RAVINDRA PADWAL	19	19	20	19	95
171CS11067	RAJSHREE PANDURANG GAIKWAD	17	17	20	17	85
171CS11073	SHIVANI NAGNATH SWAMI	16	16	20	16	80
171CS11076	SNEHAL RAGHUNATH PISE	16	16	20	16	80
171CS11078	SANJAY BHIMRAO HONMANE	14	14	20	14	70
171CS11084	PRUTHVIRAJ TUKARAM PATIL	13	13	20	13	65
171CS11090	ANKITA PRADIP BHOITE	14	14	20	14	70
171CS11093	SHIVANI SUHAS SHENDE	17	17	20	17	85
171CS11094	BALASAHEB SAWANT RAVIRAJ	19	19	20	19	95
171CS11101	SANDESH SUDHAKAR NARKAR	19	19	20	19	95
171CS11102	SUJATA RAMESH BIRAJDAR	12	12	20	12	60
171CS11104	VIJAY TANAJI GHADAGE	10	10	20	10	50
171CS11106	ARBAJ FARUK SHAIKH	14	14	20	14	70
171CS11107	SAKSHI RAJENDRASINH MANDWALE	16	16	20	16	80
171CS11114	GUPTA RAJAT	19	19	20	19	95
181CS12001	SNEHA NAGESH PANDIT	19	19	20	19	95
181CS12002	KAVITA KANTILAL PARDESHI	19	19	20	19	95
181CS12003	ANU VINOD JARE	17	17	20	17	85
181CS12004	VAISHNAVI RAMEHWAR BHOGAWAKAR	16	16	20	16	80
181CS12005	SUMAYYA DASTGIR MANERI	17	17	20	17	85
181CS12006	KOMAL SUDHIR KADLASKAR	19	19	20	19	95
181CS12007	SNEHAL BALASAHEB PATIL	19	19	20	19	95
181CS12008	SWAPNALI GANESH PATIL	19	19	20	19	95
181CS12009	DIPALI SUDAM JADHAV	16	16	20	16	80
181CS12010	PRAVIN VIJAYKUMAR SHEDBALE	19	19	20	19	95
181CS12011	PALLAVI RAJESH PANGUDWALE	19	19	20	19	95
181CS12012	HARSHDA SUNIL BHANDARE	19	19	20	19	95
181CS12013	MAMTA MOHANLAL JANGID	19	19	20	19	95
181CS12014	PRANOTI CHANDRAKANT SARVAGOD	13	13	20	13	65
181CS12015	SANDESH PANDIT KOLI	12	12	20	12	60
181CS12016	PUNAM SATISH SUTAR	17	17	20	17	85
181CS12017	SUNIL SHIVASHARAN SWATI	19	19	20	19	95
181CS12018	POOJA SUNIL SARAVADE	15	15	20	15	75

		Linked CO	CS313-18.2	CS313-18.2		
Roll No.	Name of Student	Max. Marks	20	Max. Marks	Obtained Marks	% Marks
		Q. No. / Total Obtained Marks	Q1			
181CS12020	HRITIVKH SANTOSH NAMADE	19	19	20	19	95
181CS12021	VAISHNAVIDEVI VILAS TODKARI	16	16	20	16	80
181CS12022	PRIYANKA SANTOSH GAWALI	19	19	20	19	95
181CS12023	SUSHANT GANESH KUMBHAR	19	19	20	19	95
181CS12024	DIPALI POPAT LIGADE	19	19	20	19	95
181CS12025	SHRAVANI SADASHIV GAIKWAD	10	10	20	10	50
181CS12027	SNEHAL RAMESHWAR SWAMI	19	19	20	19	95
181CS12028	POOJA UTTAM BELDAR	13	13	20	13	65
181CS12030	AISHWARYA PRADEEP MULADE	19	19	20	19	95

Number of Students: 63

Tool CO Attainment

Target Level(%): 40

Linked CO	CS313-18.2
No. of Students achieving Target Level	63
No. of Applicable Students	63
% Students achieving Target Level	100
Attainment Level	3

CO ATTAINMENT REPORT:TAKE HOME TEST-1

ACADEMIC YEAR: 2019-20
DEPARTMENT: COMPUTER SCIENCE AND
ENGINEERING
PROGRAM: UNDER GRADUATE IN
COMPUTER SCIENCE AND ENGINEERING
CLASS: THIRD YEAR
DIVISION: B
COURSE: DATABASE ENGINEERING (CS313-
18)
TOOL NAME: THT-1
TOOL MAX. MARKS: 20

Roll No.	Name of Student	Linked CO	CS313-18.2	CS313-18.2	CS313-18.1	CS313-18.1			CS313-18.2		
		Max. Marks	5	5	10	Max. Marks	Obtained Marks	% Marks	Max. Marks	Obtained Marks	% Marks
		Q. No. / Total Obtained Marks	Q1.1	Q1.2	Q1.3						
151CS11070	SAMEER IMTIYAZ DEVALE	13	3	4	6	10	6	60	10	7	70
161CS11040	PRAFULLA RAJENDRA GAIKWAD	13	3	4	6	10	6	60	10	7	70
161CS11091	MONALI RAVINDRA DAGADE	17	5	5	7	10	7	70	10	10	100
161CS11094	SNEHAL DEVIDAS KARANDE	10	2	3	5	10	5	50	10	5	50
171CS11015	TUKARAM ADLINGE REVATI	14	4	4	6	10	6	60	10	8	80
171CS11018	KRANTI SANJAY SIDDHAGANESH	19	5	5	9	10	9	90	10	10	100
171CS11020	SNEHA ANURUDRA SHINDE	19	5	5	9	10	9	90	10	10	100
171CS11021	ABHISHEK GURUPADAPPA ALAGI	16	4	4	8	10	8	80	10	8	80
171CS11022	SRUSHTI RAHUL DINDORE	14	4	4	6	10	6	60	10	8	80
171CS11026	YOGITA JITENDRA ATHAWALE	14	3	4	7	10	7	70	10	7	70
171CS11033	DATTA BHOI CHANDANI	14	3	3	8	10	8	80	10	6	60
171CS11035	NIKITA JAYKUMAR PATIL	19	5	5	9	10	9	90	10	10	100
171CS11037	AISHWARYA DEVIDAS METKARI	19	5	5	9	10	9	90	10	10	100
171CS11039	SHUBHANGI VISHNU KHADAKE	13	3	3	7	10	7	70	10	6	60
171CS11043	KUNDAN SALUNKE AMOL	19	5	5	9	10	9	90	10	10	100
171CS11044	SNEHA SANJAY YERNALE	13	3	4	6	10	6	60	10	7	70
171CS11049	PRACHI PRASAD GURAV	19	5	5	9	10	9	90	10	10	100
171CS11050	PRATIKSHA RAVINDRA GAIKWAD	14	3	3	8	10	8	80	10	6	60
171CS11053	SUMEET SHIVRAJ MULGE	14	3	3	8	10	8	80	10	6	60
171CS11054	BHAGYASHRI ARUN MUNDHE	19	5	5	9	10	9	90	10	10	100
171CS11062	PRAJKTA VIJAY ASABE	15	3	4	8	10	8	80	10	7	70
171CS11065	SHRADDHA RAVINDRA PADWAL	19	5	5	9	10	9	90	10	10	100
171CS11067	RAJSHREE PANDURANG GAIKWAD	19	5	5	9	10	9	90	10	10	100
171CS11073	SHIVANI NAGNATH SWAMI	13	3	3	7	10	7	70	10	6	60
171CS11076	SNEHAL RAGHUNATH PISE	19	5	5	9	10	9	90	10	10	100
171CS11078	SANJAY BHIMRAO HONMANE	15	3	3	9	10	9	90	10	6	60
171CS11084	PRUTHVIRAJ TUKARAM PATIL	13	3	3	7	10	7	70	10	6	60
171CS11090	ANKITA PRADIP BHOITE	15	3	4	8	10	8	80	10	7	70
171CS11093	SHIVANI SUHAS SHENDE	15	4	3	8	10	8	80	10	7	70
171CS11094	BALASAHEB SAWANT RAVIRAJ	19	5	5	9	10	9	90	10	10	100
171CS11101	SANDESH SUDHAKAR NARKAR	19	5	5	9	10	9	90	10	10	100
171CS11102	SUJATA RAMESH BIRAJDAR	16	4	4	8	10	8	80	10	8	80

Roll No.	Name of Student	Linked CO	CS313-18.2	CS313-18.2	CS313-18.1	CS313-18.1			CS313-18.2		
		Max. Marks	5	5	10	Max. Marks	Obtained Marks	% Marks	Max. Marks	Obtained Marks	% Marks
		Q. No. / Total Obtained Marks	Q1.1	Q1.2	Q1.3						
171CS11104	VIJAY TANAJI GHADAGE	10	2	2	6	10	6	60	10	4	40
171CS11106	ARBAJ FARUK SHAIKH	14	3	3	8	10	8	80	10	6	60
171CS11107	SAKSHI RAJENDRASINH MANDWALE	13	3	4	6	10	6	60	10	7	70
171CS11114	GUPTA RAJAT	19	5	5	9	10	9	90	10	10	100
181CS12001	SNEHA NAGESH PANDIT	19	5	5	9	10	9	90	10	10	100
181CS12002	KAVITA KANTILAL PARDESHI	19	5	5	9	10	9	90	10	10	100
181CS12003	ANU VINOD JARE	18	5	5	8	10	8	80	10	10	100
181CS12004	VAISHNAVI RAMEHWAR BHOGAWAKAR	17	4	4	9	10	9	90	10	8	80
181CS12005	SUMAYYA DASTGIR MANERI	19	5	5	9	10	9	90	10	10	100
181CS12006	KOMAL SUDHIR KADLASKAR	19	5	5	9	10	9	90	10	10	100
181CS12007	SNEHAL BALASAHEB PATIL	19	5	5	9	10	9	90	10	10	100
181CS12008	SWAPNALI GANESH PATIL	19	5	5	9	10	9	90	10	10	100
181CS12009	DIPALI SUDAM JADHAV	12	3	3	6	10	6	60	10	6	60
181CS12010	PRAVIN VIJAYKUMAR SHEDBALE	19	5	5	9	10	9	90	10	10	100
181CS12011	PALLAVI RAJESH PANGUDWALE	19	5	5	9	10	9	90	10	10	100
181CS12012	HARSHDA SUNIL BHANDARE	14	4	4	6	10	6	60	10	8	80
181CS12013	MAMTA MOHANLAL JANGID	19	5	5	9	10	9	90	10	10	100
181CS12014	PRANOTI CHANDRAKANT SARVAGOD	18	4	5	9	10	9	90	10	9	90
181CS12015	SANDESH PANDIT KOLI	17	4	4	9	10	9	90	10	8	80
181CS12016	PUNAM SATISH SUTAR	15	3	4	8	10	8	80	10	7	70
181CS12017	SUNIL SHIVASHARAN SWATI	19	5	5	9	10	9	90	10	10	100
181CS12018	POOJA SUNIL SARAVADE	15	3	4	8	10	8	80	10	7	70
181CS12020	HRITIVKH SANTOSH NAMADE	19	5	5	9	10	9	90	10	10	100
181CS12021	VAISHNAVIDEVI VILAS TODKARI	15	4	4	7	10	7	70	10	8	80
181CS12022	PRIYANKA SANTOSH GAWALI	13	3	3	7	10	7	70	10	6	60
181CS12023	SUSHANT GANESH KUMBHAR	19	5	5	9	10	9	90	10	10	100
181CS12024	DIPALI POPAT LIGADE	19	5	5	9	10	9	90	10	10	100
181CS12025	SHRAVANI SADASHIV GAIKWAD	10	3	3	4	10	4	40	10	6	60
181CS12027	SNEHAL RAMESHWAR SWAMI	19	5	5	9	10	9	90	10	10	100
181CS12028	POOJA UTTAM BELDAR	15	4	4	7	10	7	70	10	8	80
181CS12030	AISHWARYA PRADEEP MULADE	19	5	5	9	10	9	90	10	10	100

Number of Students: 63

Tool CO Attainment

Target Level(%): 40

Linked CO	CS313-18.1	CS313-18.2
No. of Students achieving Target Level	63	63
No. of Applicable Students	63	63
% Students achieving Target Level	100	100
Attainment Level	3	3

CO ATTAINMENT REPORT: IN SEMESTER EXAMINATION-II

ACADEMIC YEAR: 2019-20

DEPARTMENT: COMPUTER SCIENCE AND ENGINEERING

PROGRAM: UNDER GRADUATE IN COMPUTER SCIENCE AND ENGINEERING

CLASS: THIRD YEAR

DIVISION: B

COURSE: DATABASE ENGINEERING (CS313-18)

TOOL NAME: ISE-2

TOOL MAX. MARKS: 20

Roll No.	Name of Student	Linked CO	CS313-18.3	CS313-18.3	CS313-18.3	CS313-18.3		
		Max. Marks	4	8	8	Max. Marks	Obtained Marks	% Marks
		Q. No. / Total Obtained Marks	Q1	Q2	Q3			
151CS11070	SAMEER IMTIYAZ DEVALE	8	2	4	2	20	8	40
161CS11040	PRAFULLA RAJENDRA GAIKWAD	9	2	4	3	20	9	45
161CS11091	MONALI RAVINDRA DAGADE	8	2	4	2	20	8	40
161CS11094	SNEHAL DEVIDAS KARANDE	8	2	2	4	20	8	40
171CS11015	TUKARAM ADLINGE REVATI	11	3	4	4	20	11	55
171CS11018	KRANTI SANJAY SIDDHAGANESH	13	4	4	5	20	13	65
171CS11020	SNEHA ANURUDRA SHINDE	17	4	6	7	20	17	85
171CS11021	ABHISHEK GURUPADAPPA ALAGI	13	4	4	5	20	13	65
171CS11022	SRUSHTI RAHUL DINDORE	8	2	4	2	20	8	40
171CS11026	YOGITA JITENDRA ATHAWALE	12	4	4	4	20	12	60
171CS11033	DATTA BHOI CHANDANI	14	4	5	5	20	14	70
171CS11035	NIKITA JAYKUMAR PATIL	8	2	4	2	20	8	40
171CS11037	AISHWARYA DEVIDAS METKARI	14	4	5	5	20	14	70
171CS11039	SHUBHANGI VISHNU KHADAKE	8	1	2	5	20	8	40
171CS11043	KUNDAN SALUNKE AMOL	8	2	3	3	20	8	40
171CS11044	SNEHA SANJAY YERNALE	8	2	2	4	20	8	40
171CS11049	PRACHI PRASAD GURAV	12	2	7	3	20	12	60
171CS11050	PRATIKSHA RAVINDRA GAIKWAD	8	2	2	4	20	8	40
171CS11053	SUMEET SHIVRAJ MULGE	14	2	7	5	20	14	70
171CS11054	BHAGYASHRI ARUN MUNDHE	9	2	4	3	20	9	45
171CS11062	PRAJKTA VIJAY ASABE	13	4	6	3	20	13	65
171CS11065	SHRADDHA RAVINDRA PADWAL	8	2	3	3	20	8	40
171CS11067	RAJSHREE PANDURANG GAIKWAD	8	1	5	2	20	8	40
171CS11073	SHIVANI NAGNATH SWAMI	8	4	0	4	20	8	40
171CS11076	SNEHAL RAGHUNATH PISE	18	4	7	7	20	18	90
171CS11078	SANJAY BHIMRAO HONMANE	15	2	8	5	20	15	75
171CS11084	PRUTHVIRAJ TUKARAM PATIL	8	4	0	4	20	8	40
171CS11090	ANKITA PRADIP BHOITE	12	4	4	4	20	12	60
171CS11093	SHIVANI SUHAS SHENDE	8	4	4	0	20	8	40
171CS11094	BALASAHEB SAWANT RAVIRAJ	8	4	4	0	20	8	40
171CS11101	SANDESH SUDHAKAR NARKAR	13	4	6	3	20	13	65
171CS11102	SUJATA RAMESH BIRAJDAR	11	2	6	3	20	11	55
171CS11104	VIJAY TANAJI GHADAGE	8	2	0	6	20	8	40
171CS11106	ARBAJ FARUK SHAIKH	12	4	4	4	20	12	60
171CS11107	SAKSHI RAJENDRASINH MANDWALE	8	4	4	0	20	8	40
171CS11114	GUPTA RAJAT	9	4	2	3	20	9	45
181CS12001	SNEHA NAGESH PANDIT	15	4	5	6	20	15	75
181CS12002	KAVITA KANTILAL PARDESHI	8	4	0	4	20	8	40
181CS12003	ANU VINOD JARE	15	4	6	5	20	15	75
181CS12004	VAISHNAVI RAMEHWAR BHOGAWAKAR	13	3	5	5	20	13	65
181CS12005	SUMAYYA DASTGIR MANERI	16	4	7	5	20	16	80
181CS12006	KOMAL SUDHIR KADLASKAR	13	4	6	3	20	13	65
181CS12007	SNEHAL BALASAHEB PATIL	8	4	4	0	20	8	40
181CS12008	SWAPNALI GANESH PATIL	14	4	5	5	20	14	70
181CS12009	DIPALI SUDAM JADHAV	14	4	5	5	20	14	70
181CS12010	PRAVIN VIJAYKUMAR SHEDBALE	17	4	6	7	20	17	85
181CS12011	PALLAVI RAJESH PANGUDWALE	13	4	4	5	20	13	65
181CS12012	HARSHDA SUNIL BHANDARE	14	4	6	4	20	14	70
181CS12013	MAMTA MOHANLAL JANGID	17	4	6	7	20	17	85
181CS12014	PRANOTI CHANDRAKANT SARVAGOD	13	2	6	5	20	13	65
181CS12015	SANDESH PANDIT KOLI	16	4	6	6	20	16	80
181CS12016	PUNAM SATISH SUTAR	12	4	4	4	20	12	60
181CS12017	SUNIL SHIVASHARAN SWATI	9	4	5	0	20	9	45

181CS12018	POOJA SUNIL SARAVADE	8	4	0	4	20	8	40
181CS12020	HRITIVKH SANTOSH NAMADE	11	4	3	4	20	11	55
181CS12021	VAISHNAVIDEVI VILAS TODKARI	13	4	5	4	20	13	65
181CS12022	PRIYANKA SANTOSH GAWALI	11	4	3	4	20	11	55
181CS12023	SUSHANT GANESH KUMBHAR	8	4	0	4	20	8	40
181CS12024	DIPALI POPAT LIGADE	9	4	3	2	20	9	45
181CS12025	SHRAVANI SADASHIV GAIKWAD	8	4	0	4	20	8	40
181CS12027	SNEHAL RAMESHWAR SWAMI	10	4	3	3	20	10	50
181CS12028	POOJA UTTAM BELDAR	12	4	5	3	20	12	60
181CS12030	AISHWARYA PRADEEP MULADE	8	4	0	4	20	8	40

Number of Students: 63

Tool CO Attainment

Target Level(%): 40

Linked CO	CS313-18.3
No. of Students achieving Target Level	63
No. of Applicable Students	63
% Students achieving Target Level	100
Attainment Level	3

CO ATTAINMENT REPORT: OPEN BOOK TEST-II

ACADEMIC YEAR: 2019-20

DEPARTMENT: COMPUTER SCIENCE AND ENGINEERING

PROGRAM: UNDER GRADUATE IN COMPUTER SCIENCE AND ENGINEERING

CLASS: THIRD YEAR

DIVISION: B

COURSE: DATABASE ENGINEERING (CS313-18)

TOOL NAME: OBT-2

TOOL MAX. MARKS: 20

Roll No.	Name of Student	Linked CO	CS313-18.3	CS313-18.3		
		Max. Marks	20	Max. Marks	Obtained Marks	% Marks
		Q. No. / Total Obtained Marks	Q1			
151CS11070	SAMEER IMTIYAZ DEVALE	13	13	20	13	65
161CS11040	PRAFULLA RAJENDRA GAIKWAD	13	13	20	13	65
161CS11091	MONALI RAVINDRA DAGADE	19	19	20	19	95
161CS11094	SNEHAL DEVIDAS KARANDE	10	10	20	10	50
171CS11015	TUKARAM ADLINGE REVATI	14	14	20	14	70
171CS11018	KRANTI SANJAY SIDDHAGANESH	19	19	20	19	95
171CS11020	SNEHA ANURUDRA SHINDE	19	19	20	19	95
171CS11021	ABHISHEK GURUPADAPPA ALAGI	14	14	20	14	70
171CS11022	SRUSHTI RAHUL DINDORE	14	14	20	14	70
171CS11026	YOGITA JITENDRA ATHAWALE	14	14	20	14	70
171CS11033	DATTA BHOI CHANDANI	19	19	20	19	95
171CS11035	NIKITA JAYKUMAR PATIL	15	15	20	15	75
171CS11037	AISHWARYA DEVIDAS METKARI	15	15	20	15	75
171CS11039	SHUBHANGI VISHNU KHADAKE	13	13	20	13	65
171CS11043	KUNDAN SALUNKE AMOL	16	16	20	16	80
171CS11044	SNEHA SANJAY YERNALE	13	13	20	13	65
171CS11049	PRACHI PRASAD GURAV	13	13	20	13	65
171CS11050	PRATIKSHA RAVINDRA GAIKWAD	14	14	20	14	70
171CS11053	SUMEET SHIVRAJ MULGE	19	19	20	19	95
171CS11054	BHAGYASHRI ARUN MUNDHE	14	14	20	14	70
171CS11062	PRAJKTA VIJAY ASABE	15	15	20	15	75
171CS11065	SHRADDHA RAVINDRA PADWAL	13	13	20	13	65
171CS11067	RAJSHREE PANDURANG GAIKWAD	15	15	20	15	75
171CS11073	SHIVANI NAGNATH SWAMI	8	8	20	8	40
171CS11076	SNEHAL RAGHUNATH PISE	14	14	20	14	70
171CS11078	SANJAY BHIMRAO HONMANE	19	19	20	19	95
171CS11084	PRUTHVIRAJ TUKARAM PATIL	13	13	20	13	65
171CS11090	ANKITA PRADIP BHOITE	19	19	20	19	95
171CS11093	SHIVANI SUHAS SHENDE	15	15	20	15	75
171CS11094	BALASAHEB SAWANT RAVIRAJ	14	14	20	14	70
171CS11101	SANDESH SUDHAKAR NARKAR	16	16	20	16	80
171CS11102	SUJATA RAMESH BIRAJDAR	19	19	20	19	95
171CS11104	VIJAY TANAJI GHADAGE	10	10	20	10	50
171CS11106	ARBAJ FARUK SHAIKH	14	14	20	14	70
171CS11107	SAKSHI RAJENDRASINH MANDWALE	13	13	20	13	65
171CS11114	GUPTA RAJAT	16	16	20	16	80
181CS12001	SNEHA NAGESH PANDIT	19	19	20	19	95
181CS12002	KAVITA KANTILAL PARDESHI	18	18	20	18	90
181CS12003	ANU VINOD JARE	19	19	20	19	95
181CS12004	VAISHNAVI RAMEHWAR BHOGAWAKAR	17	17	20	17	85
181CS12005	SUMAYYA DASTGIR MANERI	14	14	20	14	70
181CS12006	KOMAL SUDHIR KADLASKAR	19	19	20	19	95
181CS12007	SNEHAL BALASAHEB PATIL	14	14	20	14	70
181CS12008	SWAPNALI GANESH PATIL	18	18	20	18	90
181CS12009	DIPALI SUDAM JADHAV	16	16	20	16	80
181CS12010	PRAVIN VIJAYKUMAR SHEDBALE	19	19	20	19	95
181CS12011	PALLAVI RAJESH PANGUDWALE	14	14	20	14	70
181CS12012	HARSHDA SUNIL BHANDARE	14	14	20	14	70
181CS12013	MAMTA MOHANLAL JANGID	18	18	20	18	90
181CS12014	PRANOTI CHANDRAKANT SARVAGOD	18	18	20	18	90
181CS12015	SANDESH PANDIT KOLI	17	17	20	17	85
181CS12016	PUNAM SATISH SUTAR	15	15	20	15	75
181CS12017	SUNIL SHIVASHARAN SWATI	14	14	20	14	70
181CS12018	POOJA SUNIL SARAVADE	15	15	20	15	75
181CS12020	HRITIVKH SANTOSH NAMADE	15	15	20	15	75

		Linked CO	CS313-18.3	CS313-18.3		
Roll No.	Name of Student	Max. Marks	20	Max. Marks	Obtained Marks	% Marks
		Q. No. / Total Obtained Marks	Q1			
181CS12021	VAISHNAVIDEVI VILAS TODKARI	19	19	20	19	95
181CS12022	PRIYANKA SANTOSH GAWALI	13	13	20	13	65
181CS12023	SUSHANT GANESH KUMBHAR	17	17	20	17	85
181CS12024	DIPALI POPAT LIGADE	14	14	20	14	70
181CS12025	SHRAVANI SADASHIV GAIKWAD	14	14	20	14	70
181CS12027	SNEHAL RAMESHWAR SWAMI	15	15	20	15	75
181CS12028	POOJA UTTAM BELDAR	15	15	20	15	75
181CS12030	AISHWARYA PRADEEP MULADE	15	15	20	15	75

Number of Students: 63

Tool CO Attainment

Target Level(%): 40

Linked CO	CS313-18.3
No. of Students achieving Target Level	63
No. of Applicable Students	63
% Students achieving Target Level	100
Attainment Level	3

CO ATTAINMENT REPORT: TAKE HOME TEST-II

ACADEMIC YEAR: 2019-20

DEPARTMENT: COMPUTER SCIENCE AND ENGINEERING

PROGRAM: UNDER GRADUATE IN COMPUTER SCIENCE AND ENGINEERING

CLASS: THIRD YEAR

DIVISION: B

COURSE: DATABASE ENGINEERING (CS313-18)

TOOL NAME: THT-2

TOOL MAX. MARKS: 20

Roll No.	Name of Student	Linked CO	CS313-18.3	CS313-18.3		
		Max. Marks	20	Max. Marks	Obtained Marks	% Marks
		Q. No. / Total Obtained Marks	Q1			
151CS11070	SAMEER IMTIYAZ DEVALE	16	16	20	16	80
161CS11040	PRAFULLA RAJENDRA GAIKWAD	14	14	20	14	70
161CS11091	MONALI RAVINDRA DAGADE	19	19	20	19	95
161CS11094	SNEHAL DEVIDAS KARANDE	10	10	20	10	50
171CS11015	TUKARAM ADLINGE REVATI	15	15	20	15	75
171CS11018	KRANTI SANJAY SIDDHAGANESH	19	19	20	19	95
171CS11020	SNEHA ANURUDRA SHINDE	19	19	20	19	95
171CS11021	ABHISHEK GURUPADAPPA ALAGI	14	14	20	14	70
171CS11022	SRUSHTI RAHUL DINDORE	14	14	20	14	70
171CS11026	YOGITA JITENDRA ATHAWALE	16	16	20	16	80
171CS11033	DATTA BHOI CHANDANI	19	19	20	19	95
171CS11035	NIKITA JAYKUMAR PATIL	14	14	20	14	70
171CS11037	AISHWARYA DEVIDAS METKARI	18	18	20	18	90
171CS11039	SHUBHANGI VISHNU KHADAKE	13	13	20	13	65
171CS11043	KUNDAN SALUNKE AMOL	16	16	20	16	80
171CS11044	SNEHA SANJAY YERNALE	12	12	20	12	60
171CS11049	PRACHI PRASAD GURAV	16	16	20	16	80
171CS11050	PRATIKSHA RAVINDRA GAIKWAD	15	15	20	15	75
171CS11053	SUMEET SHIVRAJ MULGE	19	19	20	19	95
171CS11054	BHAGYASHRI ARUN MUNDHE	18	18	20	18	90
171CS11062	PRAJKTA VIJAY ASABE	16	16	20	16	80
171CS11065	SHRADDHA RAVINDRA PADWAL	17	17	20	17	85
171CS11067	RAJSHREE PANDURANG GAIKWAD	13	13	20	13	65
171CS11073	SHIVANI NAGNATH SWAMI	8	8	20	8	40
171CS11076	SNEHAL RAGHUNATH PISE	16	16	20	16	80
171CS11078	SANJAY BHIMRAO HONMANE	15	15	20	15	75
171CS11084	PRUTHVIRAJ TUKARAM PATIL	13	13	20	13	65
171CS11090	ANKITA PRADIP BHOITE	19	19	20	19	95
171CS11093	SHIVANI SUHAS SHENDE	17	17	20	17	85
171CS11094	BALASAHEB SAWANT RAVIRAJ	16	16	20	16	80
171CS11101	SANDESH SUDHAKAR NARKAR	16	16	20	16	80
171CS11102	SUJATA RAMESH BIRAJDAR	19	19	20	19	95
171CS11104	VIJAY TANAJI GHADAGE	10	10	20	10	50
171CS11106	ARBAJ FARUK SHAIKH	14	14	20	14	70
171CS11107	SAKSHI RAJENDRASINH MANDWALE	16	16	20	16	80
171CS11114	GUPTA RAJAT	15	15	20	15	75
181CS12001	SNEHA NAGESH PANDIT	19	19	20	19	95
181CS12002	KAVITA KANTILAL PARDESHI	14	14	20	14	70
181CS12003	ANU VINOD JARE	19	19	20	19	95
181CS12004	VAISHNAVI RAMEHWAR BHOGAWAKAR	16	16	20	16	80
181CS12005	SUMAYYA DASTGIR MANERI	17	17	20	17	85
181CS12006	KOMAL SUDHIR KADLASKAR	19	19	20	19	95
181CS12007	SNEHAL BALASAHEB PATIL	13	13	20	13	65
181CS12008	SWAPNALI GANESH PATIL	15	15	20	15	75
181CS12009	DIPALI SUDAM JADHAV	13	13	20	13	65
181CS12010	PRAVIN VIJAYKUMAR SHEDBALE	19	19	20	19	95
181CS12011	PALLAVI RAJESH PANGUDWALE	15	15	20	15	75
181CS12012	HARSHDA SUNIL BHANDARE	15	15	20	15	75
181CS12013	MAMTA MOHANLAL JANGID	17	17	20	17	85
181CS12014	PRANOTI CHANDRAKANT SARVAGOD	15	15	20	15	75
181CS12015	SANDESH PANDIT KOLI	17	17	20	17	85
181CS12016	PUNAM SATISH SUTAR	19	19	20	19	95
181CS12017	SUNIL SHIVASHARAN SWATI	17	17	20	17	85
181CS12018	POOJA SUNIL SARAVADE	15	15	20	15	75
181CS12020	HRITIVKH SANTOSH NAMADE	16	16	20	16	80

		Linked CO	CS313-18.3	CS313-18.3		
Roll No.	Name of Student	Max. Marks	20	Max. Marks	Obtained Marks	% Marks
		Q. No. / Total Obtained Marks	Q1			
151CS11070	SAMEER IMTIYAZ DEVALE	16	16	20	16	80
181CS12021	VAISHNAVIDEVI VILAS TODKARI	16	16	20	16	80
181CS12022	PRIYANKA SANTOSH GAWALI	12	12	20	12	60
181CS12023	SUSHANT GANESH KUMBHAR	13	13	20	13	65
181CS12024	DIPALI POPAT LIGADE	13	13	20	13	65
181CS12025	SHRAVANI SADASHIV GAIKWAD	14	14	20	14	70
181CS12027	SNEHAL RAMESHWAR SWAMI	17	17	20	17	85
181CS12028	POOJA UTTAM BELDAR	19	19	20	19	95
181CS12030	AISHWARYA PRADEEP MULADE	19	19	20	19	95

Number of Students: 63

Tool CO Attainment

Target Level(%): 40

Linked CO	CS313-18.3
No. of Students achieving Target Level	63
No. of Applicable Students	63
% Students achieving Target Level	100
Attainment Level	3

CO ATTAINMENT REPORT: IN SEMESTER EXAMINATION-III

ACADEMIC YEAR: 2019-20

DEPARTMENT: COMPUTER SCIENCE AND ENGINEERING

PROGRAM: UNDER GRADUATE IN COMPUTER SCIENCE AND ENGINEERING

CLASS: THIRD YEAR

DIVISION: B

COURSE: DATABASE ENGINEERING (CS313-18)

TOOL NAME: ISE-3

TOOL MAX. MARKS: 20

		Linked CO	CS313-18.5	CS313-18.6	CS313-18.5	CS313-18.6	CS313-18.5			CS313-18.6		
Roll No.	Name of Student	Max. Marks	2	2	8	8	Max. Marks	Obtained Marks	% Marks	Max. Marks	Obtained Marks	% Marks
		Q. No. / Total Obtained Marks	Q1	Q2	Q3	Q4						
151CS11070	SAMEER IMTIYAZ DEVALE	11	2	2	4	3	10	6	60	10	5	50
161CS11040	PRAFULLA RAJENDRA GAIKWAD	14	2	2	6	4	10	8	80	10	6	60
161CS11091	MONALI RAVINDRA DAGADE	8	2	2	2	2	10	4	40	10	4	40
161CS11094	SNEHAL DEVIDAS KARANDE	8	2	2	2	2	10	4	40	10	4	40
171CS11015	TUKARAM ADLINGE REVATI	12	2	2	4	4	10	6	60	10	6	60
171CS11018	KRANTI SANJAY SIDDHAGANESH	15	2	2	6	5	10	8	80	10	7	70
171CS11020	SNEHA ANURUDRA SHINDE	17	2	2	6	7	10	8	80	10	9	90
171CS11021	ABHISHEK GURUPADAPPA ALAGI	13	2	2	6	3	10	8	80	10	5	50
171CS11022	SRUSHTI RAHUL DINDORE	10	2	2	4	2	10	6	60	10	4	40
171CS11026	YOGITA JITENDRA ATHAWALE	14	2	2	6	4	10	8	80	10	6	60
171CS11033	DATTA BHOI CHANDANI	16	2	2	6	6	10	8	80	10	8	80
171CS11035	NIKITA JAYKUMAR PATIL	15	2	2	6	5	10	8	80	10	7	70
171CS11037	AISHWARYA DEVIDAS METKARI	17	2	2	6	7	10	8	80	10	9	90
171CS11039	SHUBHANGI VISHNU KHADAKE	8	2	2	0	4	10	2	20	10	6	60
171CS11043	KUNDAN SALUNKE AMOL	15	2	2	6	5	10	8	80	10	7	70
171CS11044	SNEHA SANJAY YERNALE	8	2	2	4	0	10	6	60	10	2	20
171CS11049	PRACHI PRASAD GURAV	18	2	2	7	7	10	9	90	10	9	90
171CS11050	PRATIKSHA RAVINDRA GAIKWAD	10	2	2	6	0	10	8	80	10	2	20
171CS11053	SUMEET SHIVRAJ MULGE	16	2	2	6	6	10	8	80	10	8	80
171CS11054	BHAGYASHRI ARUN MUNDHE	13	2	2	6	3	10	8	80	10	5	50
171CS11062	PRAJKTA VIJAY ASABE	14	2	2	6	4	10	8	80	10	6	60
171CS11065	SHRADDHA RAVINDRA PADWAL	13	2	2	6	3	10	8	80	10	5	50
171CS11067	RAJSHREE PANDURANG GAIKWAD	13	2	2	6	3	10	8	80	10	5	50
171CS11073	SHIVANI NAGNATH SWAMI	11	2	2	3	4	10	5	50	10	6	60
171CS11076	SNEHAL RAGHUNATH PISE	10	2	2	0	6	10	2	20	10	8	80
171CS11078	SANJAY BHIMRAO HONMANE	11	2	2	3	4	10	5	50	10	6	60
171CS11084	PRUTHVIRAJ TUKARAM PATIL	14	2	2	6	4	10	8	80	10	6	60
171CS11090	ANKITA PRADIP BHOITE	16	2	2	6	6	10	8	80	10	8	80
171CS11093	SHIVANI SUHAS SHENDE	10	2	2	6	0	10	8	80	10	2	20
171CS11094	BALASAHEB SAWANT RAVIRAJ	14	2	2	6	4	10	8	80	10	6	60
171CS11101	SANDESH SUDHAKAR NARKAR	15	2	2	6	5	10	8	80	10	7	70
171CS11102	SUJATA RAMESH BIRAJDAR	16	2	2	6	6	10	8	80	10	8	80

		Linked CO	CS313-18.5	CS313-18.6	CS313-18.5	CS313-18.6	CS313-18.5			CS313-18.6		
Roll No.	Name of Student	Max. Marks	2	2	8	8	Max. Marks	Obtained Marks	% Marks	Max. Marks	Obtained Marks	% Marks
		Q. No. / Total Obtained Marks	Q1	Q2	Q3	Q4						
171CS11104	VIJAY TANAJI GHADAGE	8	1	1	4	2	10	5	50	10	3	30
171CS11106	ARBAJ FARUK SHAIKH	13	2	2	6	3	10	8	80	10	5	50
171CS11107	SAKSHI RAJENDRASINH MANDWALE	9	1	1	2	5	10	3	30	10	6	60
171CS11114	GUPTA RAJAT	15	2	2	6	5	10	8	80	10	7	70
181CS12001	SNEHA NAGESH PANDIT	13	2	2	4	5	10	6	60	10	7	70
181CS12002	KAVITA KANTILAL PARDESHI	15	2	2	6	5	10	8	80	10	7	70
181CS12003	ANU VINOD JARE	11	2	2	3	4	10	5	50	10	6	60
181CS12004	VAISHNAVI RAMEHWAR BHOGAWAKAR	13	2	2	4	5	10	6	60	10	7	70
181CS12005	SUMAYYA DASTGIR MANERI	15	2	2	6	5	10	8	80	10	7	70
181CS12006	KOMAL SUDHIR KADLASKAR	14	2	2	6	4	10	8	80	10	6	60
181CS12007	SNEHAL BALASAHEB PATIL	10	2	2	2	4	10	4	40	10	6	60
181CS12008	SWAPNALI GANESH PATIL	17	2	2	6	7	10	8	80	10	9	90
181CS12009	DIPALI SUDAM JADHAV	11	1	1	5	4	10	6	60	10	5	50
181CS12010	PRAVIN VIJAYKUMAR SHEDBALE	17	2	2	6	7	10	8	80	10	9	90
181CS12011	PALLAVI RAJESH PANGUDWALE	12	1	1	6	4	10	7	70	10	5	50
181CS12012	HARSHDA SUNIL BHANDARE	11	1	1	3	6	10	4	40	10	7	70
181CS12013	MAMTA MOHANLAL JANGID	14	2	2	6	4	10	8	80	10	6	60
181CS12014	PRANOTI CHANDRAKANT SARVAGOD	14	2	2	5	5	10	7	70	10	7	70
181CS12015	SANDESH PANDIT KOLI	16	2	2	6	6	10	8	80	10	8	80
181CS12016	PUNAM SATISH SUTAR	16	2	2	6	6	10	8	80	10	8	80
181CS12017	SUNIL SHIVASHARAN SWATI	16	2	2	6	6	10	8	80	10	8	80
181CS12018	POOJA SUNIL SARAVADE	11	2	2	7	0	10	9	90	10	2	20
181CS12020	HRITIVKH SANTOSH NAMADE	15	2	2	6	5	10	8	80	10	7	70
181CS12021	VAISHNAVIDEVI VILAS TODKARI	14	2	2	6	4	10	8	80	10	6	60
181CS12022	PRIYANKA SANTOSH GAWALI	13	1	1	6	5	10	7	70	10	6	60
181CS12023	SUSHANT GANESH KUMBHAR	15	2	2	6	5	10	8	80	10	7	70
181CS12024	DIPALI POPAT LIGADE	8	1	1	4	2	10	5	50	10	3	30
181CS12025	SHRAVANI SADASHIV GAIKWAD	8	2	2	2	2	10	4	40	10	4	40
181CS12027	SNEHAL RAMESHWAR SWAMI	16	2	2	6	6	10	8	80	10	8	80
181CS12028	POOJA UTTAM BELDAR	9	2	2	0	5	10	2	20	10	7	70
181CS12030	AISHWARYA PRADEEP MULADE	11	2	2	4	3	10	6	60	10	5	50

Number of Students: 63

Tool CO Attainment

Target Level(%): 40

Linked CO	CS313-18.5	CS313-18.6
No. of Students achieving Target Level	59	57
No. of Applicable Students	63	63
% Students achieving Target Level	93.65	90.48
Attainment Level	3	3

CO ATTAINMENT REPORT: OPEN BOOK TEST-III

ACADEMIC YEAR: 2019-20

DEPARTMENT: COMPUTER SCIENCE AND ENGINEERING

PROGRAM: UNDER GRADUATE IN COMPUTER SCIENCE AND ENGINEERING

CLASS: THIRD YEAR

DIVISION: B

COURSE: DATABASE ENGINEERING (CS313-18)

TOOL NAME: OBT-3

TOOL MAX. MARKS: 20

Roll No.	Name of Student	Linked CO	CS313-18.6	CS313-18.6		
		Max. Marks	20	Max. Marks	Obtained Marks	% Marks
		Q. No. / Total Obtained Marks	Q1			
151CS11070	SAMEER IMTIYAZ DEVALE	18	18	20	18	90
161CS11040	PRAFULLA RAJENDRA GAIKWAD	11	11	20	11	55
161CS11091	MONALI RAVINDRA DAGADE	19	19	20	19	95
161CS11094	SNEHAL DEVIDAS KARANDE	10	10	20	10	50
171CS11015	TUKARAM ADLINGE REVATI	14	14	20	14	70
171CS11018	KRANTI SANJAY SIDDHAGANESH	15	15	20	15	75
171CS11020	SNEHA ANURUDRA SHINDE	14	14	20	14	70
171CS11021	ABHISHEK GURUPADAPPA ALAGI	14	14	20	14	70
171CS11022	SRUSHTI RAHUL DINDORE	10	10	20	10	50
171CS11026	YOGITA JITENDRA ATHAWALE	16	16	20	16	80
171CS11033	DATTA BHOI CHANDANI	13	13	20	13	65
171CS11035	NIKITA JAYKUMAR PATIL	18	18	20	18	90
171CS11037	AISHWARYA DEVIDAS METKARI	15	15	20	15	75
171CS11039	SHUBHANGI VISHNU KHADAKE	15	15	20	15	75
171CS11043	KUNDAN SALUNKE AMOL	16	16	20	16	80
171CS11044	SNEHA SANJAY YERNALE	16	16	20	16	80
171CS11049	PRACHI PRASAD GURAV	16	16	20	16	80
171CS11050	PRATIKSHA RAVINDRA GAIKWAD	10	10	20	10	50
171CS11053	SUMEET SHIVRAJ MULGE	14	14	20	14	70
171CS11054	BHAGYASHRI ARUN MUNDHE	15	15	20	15	75
171CS11062	PRAJKTA VIJAY ASABE	15	15	20	15	75
171CS11065	SHRADDHA RAVINDRA PADWAL	14	14	20	14	70
171CS11067	RAJSHREE PANDURANG GAIKWAD	18	18	20	18	90
171CS11073	SHIVANI NAGNATH SWAMI	13	13	20	13	65
171CS11076	SNEHAL RAGHUNATH PISE	14	14	20	14	70
171CS11078	SANJAY BHIMRAO HONMANE	19	19	20	19	95
171CS11084	PRUTHVIRAJ TUKARAM PATIL	15	15	20	15	75
171CS11090	ANKITA PRADIP BHOITE	19	19	20	19	95
171CS11093	SHIVANI SUHAS SHENDE	18	18	20	18	90
171CS11094	BALASAHEB SAWANT RAVIRAJ	19	19	20	19	95
171CS11101	SANDESH SUDHAKAR NARKAR	15	15	20	15	75
171CS11102	SUJATA RAMESH BIRAJDAR	19	19	20	19	95
171CS11104	VIJAY TANAJI GHADAGE	10	10	20	10	50
171CS11106	ARBAJ FARUK SHAIKH	14	14	20	14	70
171CS11107	SAKSHI RAJENDRASINH MANDWALE	15	15	20	15	75
171CS11114	GUPTA RAJAT	18	18	20	18	90
181CS12001	SNEHA NAGESH PANDIT	13	13	20	13	65
181CS12002	KAVITA KANTILAL PARDESHI	16	16	20	16	80
181CS12003	ANU VINOD JARE	14	14	20	14	70
181CS12004	VAISHNAVI RAMEHWAR BHOGAWAKAR	19	19	20	19	95
181CS12005	SUMAYYA DASTGIR MANERI	14	14	20	14	70
181CS12006	KOMAL SUDHIR KADLASKAR	13	13	20	13	65
181CS12007	SNEHAL BALASAHEB PATIL	19	19	20	19	95
181CS12008	SWAPNALI GANESH PATIL	18	18	20	18	90
181CS12009	DIPALI SUDAM JADHAV	14	14	20	14	70
181CS12010	PRAVIN VIJAYKUMAR SHEDBALE	13	13	20	13	65
181CS12011	PALLAVI RAJESH PANGUDWALE	19	19	20	19	95
181CS12012	HARSHDA SUNIL BHANDARE	14	14	20	14	70
181CS12013	MAMTA MOHANLAL JANGID	15	15	20	15	75
181CS12014	PRANOTI CHANDRAKANT SARVAGOD	15	15	20	15	75
181CS12015	SANDESH PANDIT KOLI	14	14	20	14	70
181CS12016	PUNAM SATISH SUTAR	19	19	20	19	95
181CS12017	SUNIL SHIVASHARAN SWATI	19	19	20	19	95

		Linked CO	CS313-18.6	CS313-18.6		
Roll No.	Name of Student	Max. Marks	20	Max. Marks	Obtained Marks	% Marks
		Q. No. / Total Obtained Marks	Q1			
181CS12018	POOJA SUNIL SARAVADE	19	19	20	19	95
181CS12020	HRITIVKH SANTOSH NAMADE	15	15	20	15	75
181CS12021	VAISHNAVIDEVI VILAS TODKARI	13	13	20	13	65
181CS12022	PRIYANKA SANTOSH GAWALI	19	19	20	19	95
181CS12023	SUSHANT GANESH KUMBHAR	19	19	20	19	95
181CS12024	DIPALI POPAT LIGADE	14	14	20	14	70
181CS12025	SHRAVANI SADASHIV GAIKWAD	10	10	20	10	50
181CS12027	SNEHAL RAMESHWAR SWAMI	14	14	20	14	70
181CS12028	POOJA UTTAM BELDAR	15	15	20	15	75
181CS12030	AISHWARYA PRADEEP MULADE	19	19	20	19	95

Number of Students: 63

Tool CO Attainment

Target Level(%): 40

Linked CO	CS313-18.6
No. of Students achieving Target Level	63
No. of Applicable Students	63
% Students achieving Target Level	100
Attainment Level	3

CO ATTAINMENT REPORT: TAKE HOME TEST-III

ACADEMIC YEAR: 2019-20

DEPARTMENT: COMPUTER SCIENCE AND ENGINEERING

PROGRAM: UNDER GRADUATE IN COMPUTER SCIENCE AND ENGINEERING

CLASS: THIRD YEAR

DIVISION: B

COURSE: DATABASE ENGINEERING (CS313-18)

TOOL NAME: THT-3

TOOL MAX. MARKS: 20

Roll No.	Name of Student	Linked CO	CS313-18.6	CS313-18.6		
		Max. Marks	20	Max. Marks	Obtained Marks	% Marks
		Q. No. / Total Obtained Marks	Q1			
151CS11070	SAMEER IMTIYAZ DEVALE	14	14	20	14	70
161CS11040	PRAFULLA RAJENDRA GAIKWAD	12	12	20	12	60
161CS11091	MONALI RAVINDRA DAGADE	18	18	20	18	90
161CS11094	SNEHAL DEVIDAS KARANDE	10	10	20	10	50
171CS11015	TUKARAM ADLINGE REVATI	14	14	20	14	70
171CS11018	KRANTI SANJAY SIDDHAGANESH	13	13	20	13	65
171CS11020	SNEHA ANURUDRA SHINDE	14	14	20	14	70
171CS11021	ABHISHEK GURUPADAPPA ALAGI	14	14	20	14	70
171CS11022	SRUSHTI RAHUL DINDORE	10	10	20	10	50
171CS11026	YOGITA JITENDRA ATHAWALE	16	16	20	16	80
171CS11033	DATTA BHOI CHANDANI	19	19	20	19	95
171CS11035	NIKITA JAYKUMAR PATIL	13	13	20	13	65
171CS11037	AISHWARYA DEVIDAS METKARI	16	16	20	16	80
171CS11039	SHUBHANGI VISHNU KHADAKE	16	16	20	16	80
171CS11043	KUNDAN SALUNKE AMOL	16	16	20	16	80
171CS11044	SNEHA SANJAY YERNALE	14	14	20	14	70
171CS11049	PRACHI PRASAD GURAV	16	16	20	16	80
171CS11050	PRATIKSHA RAVINDRA GAIKWAD	10	10	20	10	50
171CS11053	SUMEET SHIVRAJ MULGE	16	16	20	16	80
171CS11054	BHAGYASHRI ARUN MUNDHE	16	16	20	16	80
171CS11062	PRAJKTA VIJAY ASABE	15	15	20	15	75
171CS11065	SHRADDHA RAVINDRA PADWAL	18	18	20	18	90
171CS11067	RAJSHREE PANDURANG GAIKWAD	18	18	20	18	90
171CS11073	SHIVANI NAGNATH SWAMI	18	18	20	18	90
171CS11076	SNEHAL RAGHUNATH PISE	14	14	20	14	70
171CS11078	SANJAY BHIMRAO HONMANE	19	19	20	19	95
171CS11084	PRUTHVIRAJ TUKARAM PATIL	13	13	20	13	65
171CS11090	ANKITA PRADIP BHOITE	17	17	20	17	85
171CS11093	SHIVANI SUHAS SHENDE	19	19	20	19	95
171CS11094	BALASAHEB SAWANT RAVIRAJ	16	16	20	16	80
171CS11101	SANDESH SUDHAKAR NARKAR	19	19	20	19	95
171CS11102	SUJATA RAMESH BIRAJDAR	19	19	20	19	95
171CS11104	VIJAY TANAJI GHADAGE	10	10	20	10	50
171CS11106	ARBAJ FARUK SHAIKH	18	18	20	18	90
171CS11107	SAKSHI RAJENDRASINH MANDWALE	15	15	20	15	75
171CS11114	GUPTA RAJAT	19	19	20	19	95
181CS12001	SNEHA NAGESH PANDIT	18	18	20	18	90
181CS12002	KAVITA KANTILAL PARDESHI	19	19	20	19	95
181CS12003	ANU VINOD JARE	14	14	20	14	70
181CS12004	VAISHNAVI RAMEHWAR BHOGAWAKAR	19	19	20	19	95
181CS12005	SUMAYYA DASTGIR MANERI	14	14	20	14	70
181CS12006	KOMAL SUDHIR KADLASKAR	15	15	20	15	75
181CS12007	SNEHAL BALASAHEB PATIL	19	19	20	19	95
181CS12008	SWAPNALI GANESH PATIL	15	15	20	15	75
181CS12009	DIPALI SUDAM JADHAV	14	14	20	14	70
181CS12010	PRAVIN VIJAYKUMAR SHEDBALE	18	18	20	18	90
181CS12011	PALLAVI RAJESH PANGUDWALE	19	19	20	19	95
181CS12012	HARSHDA SUNIL BHANDARE	14	14	20	14	70
181CS12013	MAMTA MOHANLAL JANGID	15	15	20	15	75
181CS12014	PRANOTI CHANDRAKANT SARVAGOD	19	19	20	19	95
181CS12015	SANDESH PANDIT KOLI	14	14	20	14	70

		Linked CO	CS313-18.6	CS313-18.6		
Roll No.	Name of Student	Max. Marks	20	Max. Marks	Obtained Marks	% Marks
		Q. No. / Total Obtained Marks	Q1			
181CS12016	PUNAM SATISH SUTAR	19	19	20	19	95
181CS12017	SUNIL SHIVASHARAN SWATI	19	19	20	19	95
181CS12018	POOJA SUNIL SARAVADE	16	16	20	16	80
181CS12020	HRITIVKH SANTOSH NAMADE	19	19	20	19	95
181CS12021	VAISHNAVIDEVI VILAS TODKARI	18	18	20	18	90
181CS12022	PRIYANKA SANTOSH GAWALI	17	17	20	17	85
181CS12023	SUSHANT GANESH KUMBHAR	19	19	20	19	95
181CS12024	DIPALI POPAT LIGADE	16	16	20	16	80
181CS12025	SHRAVANI SADASHIV GAIKWAD	10	10	20	10	50
181CS12027	SNEHAL RAMESHWAR SWAMI	18	18	20	18	90
181CS12028	POOJA UTTAM BELDAR	15	15	20	15	75
181CS12030	AISHWARYA PRADEEP MULADE	19	19	20	19	95

Number of Students: 63

Tool CO Attainment

Target Level(%): 40

Linked CO	CS313-18.6
No. of Students achieving Target Level	63
No. of Applicable Students	63
% Students achieving Target Level	100
Attainment Level	3

CO ATTAINMENT REPORT: UNIT TEST-I

ACADEMIC YEAR: 2019-20

DEPARTMENT: COMPUTER SCIENCE AND ENGINEERING

PROGRAM: UNDER GRADUATE IN COMPUTER SCIENCE AND ENGINEERING

CLASS: THIRD YEAR

DIVISION: B

COURSE: DATABASE ENGINEERING (CS313-18)

TOOL NAME: UT-1

TOOL MAX. MARKS: 20

Roll No.	Name of Student	Linked CO	CS313-18.1	CS313-18.1	CS313-18.1	CS313-18.1		
		Max. Marks	4	8	8	Max. Marks	Obtained Marks	% Marks
		Q. No. / Total Obtained Marks	Q1	Q2	Q3			
151CS11070	SAMEER IMTIYAZ DEVALE	9	4	4	1	20	9	45
161CS11040	PRAFULLA RAJENDRA GAIKWAD	9	4	4	1	20	9	45
161CS11091	MONALI RAVINDRA DAGADE	10	4	6	0	20	10	50
161CS11094	SNEHAL DEVIDAS KARANDE	8	4	4	0	20	8	40
171CS11015	TUKARAM ADLINGE REVATI	11	4	6	1	20	11	55
171CS11018	KRANTI SANJAY SIDDHAGANESH	16	4	6	6	20	16	80
171CS11020	SNEHA ANURUDRA SHINDE	10	4	4	2	20	10	50
171CS11021	ABHISHEK GURUPADAPPA ALAGI	10	4	4	2	20	10	50
171CS11022	SRUSHTI RAHUL DINDORE	8	4	0	4	20	8	40
171CS11026	YOGITA JITENDRA ATHAWALE	11	4	4	3	20	11	55
171CS11033	DATTA BHOI CHANDANI	7	4	0	3	20	7	35
171CS11035	NIKITA JAYKUMAR PATIL	9	4	4	1	20	9	45
171CS11037	AISHWARYA DEVIDAS METKARI	14	4	6	4	20	14	70
171CS11039	SHUBHANGI VISHNU KHADAKE	11	4	2	5	20	11	55
171CS11043	KUNDAN SALUNKE AMOL	9	4	0	5	20	9	45
171CS11044	SNEHA SANJAY YERNALE	10	4	0	6	20	10	50
171CS11049	PRACHI PRASAD GURAV	14	4	6	4	20	14	70
171CS11050	PRATIKSHA RAVINDRA GAIKWAD	13	4	4	5	20	13	65
171CS11053	SUMEET SHIVRAJ MULGE	9	4	0	5	20	9	45
171CS11054	BHAGYASHRI ARUN MUNDHE	13	4	6	3	20	13	65
171CS11062	PRAJKTA VIJAY ASABE	10	4	6	0	20	10	50
171CS11065	SHRADDHA RAVINDRA PADWAL	8	4	4	0	20	8	40
171CS11067	RAJSHREE PANDURANG GAIKWAD	13	4	6	3	20	13	65
171CS11073	SHIVANI NAGNATH SWAMI	10	4	6	0	20	10	50
171CS11076	SNEHAL RAGHUNATH PISE	15	4	6	5	20	15	75
171CS11078	SANJAY BHIMRAO HONMANE	10	4	6	0	20	10	50
171CS11084	PRUTHVIRAJ TUKARAM PATIL	10	4	6	0	20	10	50
171CS11090	ANKITA PRADIP BHOITE	10	4	2	4	20	10	50
171CS11093	SHIVANI SUHAS SHENDE	12	4	5	3	20	12	60
171CS11094	BALASAHEB SAWANT RAVIRAJ	10	4	2	4	20	10	50
171CS11101	SANDESH SUDHAKAR NARKAR	10	4	6	0	20	10	50
171CS11102	SUJATA RAMESH BIRAJDAR	10	4	3	3	20	10	50
171CS11104	VIJAY TANAJI GHADAGE	10	4	3	3	20	10	50
171CS11106	ARBAJ FARUK SHAIKH	10	4	4	2	20	10	50
171CS11107	SAKSHI RAJENDRASINH MANDWALE	12	4	4	4	20	12	60
171CS11114	GUPTA RAJAT	7	4	3	0	20	7	35
181CS12001	SNEHA NAGESH PANDIT	13	4	4	5	20	13	65
181CS12002	KAVITA KANTILAL PARDESHI	13	4	4	5	20	13	65
181CS12003	ANU VINOD JARE	10	4	6	0	20	10	50
181CS12004	VAISHNAVI RAMEHWAR BHOGAWAKAR	13	4	6	3	20	13	65
181CS12005	SUMAYYA DASTGIR MANERI	10	4	3	3	20	10	50
181CS12006	KOMAL SUDHIR KADLASKAR	13	4	6	3	20	13	65
181CS12007	SNEHAL BALASAHEB PATIL	11	4	3	4	20	11	55
181CS12008	SWAPNALI GANESH PATIL	13	4	4	5	20	13	65
181CS12009	DIPALI SUDAM JADHAV	10	4	6	0	20	10	50
181CS12010	PRAVIN VIJAYKUMAR SHEDBALE	8	4	4	0	20	8	40
181CS12011	PALLAVI RAJESH PANGUDWALE	12	4	4	4	20	12	60
181CS12012	HARSHDA SUNIL BHANDARE	10	4	6	0	20	10	50
181CS12013	MAMTA MOHANLAL JANGID	10	4	6	0	20	10	50
181CS12014	PRANOTI CHANDRAKANT SARVAGOD	8	4	4	0	20	8	40
181CS12015	SANDESH PANDIT KOLI	9	4	0	5	20	9	45
181CS12016	PUNAM SATISH SUTAR	16	4	6	6	20	16	80

		Linked CO	CS313-18.1	CS313-18.1	CS313-18.1	CS313-18.1		
Roll No.	Name of Student	Max. Marks	4	8	8	Max. Marks	Obtained Marks	% Marks
		Q. No. / Total Obtained Marks	Q1	Q2	Q3			
181CS12017	SUNIL SHIVASHARAN SWATI	12	4	4	4	20	12	60
181CS12018	POOJA SUNIL SARAVADE	14	4	6	4	20	14	70
181CS12020	HRITIVKH SANTOSH NAMADE	10	4	4	2	20	10	50
181CS12021	VAISHNAVIDEVI VILAS TODKARI	14	4	6	4	20	14	70
181CS12022	PRIYANKA SANTOSH GAWALI	11	4	5	2	20	11	55
181CS12023	SUSHANT GANESH KUMBHAR	8	4	4	0	20	8	40
181CS12024	DIPALI POPAT LIGADE	16	4	6	6	20	16	80
181CS12025	SHRAVANI SADASHIV GAIKWAD	13	4	4	5	20	13	65
181CS12027	SNEHAL RAMESHWAR SWAMI	13	4	4	5	20	13	65
181CS12028	POOJA UTTAM BELDAR	7	4	0	3	20	7	35
181CS12030	AISHWARYA PRADEEP MULADE	13	4	4	5	20	13	65

Number of Students: 63

Tool CO Attainment

Target Level(%): 40

Linked CO	CS313-18.1
No. of Students achieving Target Level	60
No. of Applicable Students	63
% Students achieving Target Level	95.24
Attainment Level	3

CO ATTAINMENT REPORT: UNIT TEST-II

ACADEMIC YEAR: 2019-20

DEPARTMENT: COMPUTER SCIENCE AND ENGINEERING

PROGRAM: UNDER GRADUATE IN COMPUTER SCIENCE AND ENGINEERING

CLASS: THIRD YEAR

DIVISION: B

COURSE: DATABASE ENGINEERING (CS313-18)

TOOL NAME: UT-2

TOOL MAX. MARKS: 20

Roll No.	Name of Student	Linked CO	CS313-18.3	CS313-18.3	CS313-18.3	CS313-18.3		
		Max. Marks	4	8	8			
		Q. No. / Total Obtained Marks	Q1	Q2	Q3	Max. Marks	Obtained Marks	% Marks
151CS11070	SAMEER IMTIYAZ DEVALE	10	4	6	0	20	10	50
161CS11040	PRAFULLA RAJENDRA GAIKWAD	10	4	6	0	20	10	50
161CS11091	MONALI RAVINDRA DAGADE	8	4	0	4	20	8	40
161CS11094	SNEHAL DEVIDAS KARANDE	9	4	5	0	20	9	45
171CS11015	TUKARAM ADLINGE REVATI	10	4	6	0	20	10	50
171CS11018	KRANTI SANJAY SIDDHAGANESH	10	4	6	0	20	10	50
171CS11020	SNEHA ANURUDRA SHINDE	10	4	6	0	20	10	50
171CS11021	ABHISHEK GURUPADAPPA ALAGI	10	4	6	0	20	10	50
171CS11022	SRUSHTI RAHUL DINDORE	0	0	0	0	20	0	NA
171CS11026	YOGITA JITENDRA ATHAWALE	10	4	2	4	20	10	50
171CS11033	DATTA BHOI CHANDANI	9	4	0	5	20	9	45
171CS11035	NIKITA JAYKUMAR PATIL	10	4	6	0	20	10	50
171CS11037	AISHWARYA DEVIDAS METKARI	10	4	6	0	20	10	50
171CS11039	SHUBHANGI VISHNU KHADAKE	10	4	6	0	20	10	50
171CS11043	KUNDAN SALUNKE AMOL	10	4	6	0	20	10	50
171CS11044	SNEHA SANJAY YERNALE	9	4	5	0	20	9	45
171CS11049	PRACHI PRASAD GURAV	10	4	6	0	20	10	50
171CS11050	PRATIKSHA RAVINDRA GAIKWAD	10	4	2	4	20	10	50
171CS11053	SUMEET SHIVRAJ MULGE	8	4	0	4	20	8	40
171CS11054	BHAGYASHRI ARUN MUNDHE	9	4	5	0	20	9	45
171CS11062	PRAJKTA VIJAY ASABE	10	4	3	3	20	10	50
171CS11065	SHRADDHA RAVINDRA PADWAL	8	4	0	4	20	8	40
171CS11067	RAJSHREE PANDURANG GAIKWAD	10	4	6	0	20	10	50
171CS11073	SHIVANI NAGNATH SWAMI	8	4	0	4	20	8	40
171CS11076	SNEHAL RAGHUNATH PISE	10	4	4	2	20	10	50
171CS11078	SANJAY BHIMRAO HONMANE	10	4	4	2	20	10	50
171CS11084	PRUTHVIRAJ TUKARAM PATIL	10	4	6	0	20	10	50
171CS11090	ANKITA PRADIP BHOITE	10	4	6	0	20	10	50
171CS11093	SHIVANI SUHAS SHENDE	9	4	0	5	20	9	45
171CS11094	BALASAHEB SAWANT RAVIRAJ	10	4	6	0	20	10	50
171CS11101	SANDESH SUDHAKAR NARKAR	8	4	0	4	20	8	40
171CS11102	SUJATA RAMESH BIRAJDAR	10	4	6	0	20	10	50
171CS11104	VIJAY TANAJI GHADAGE	11	4	5	2	20	11	55
171CS11106	ARBAJ FARUK SHAIKH	11	4	3	4	20	11	55
171CS11107	SAKSHI RAJENDRASINH MANDWALE	10	4	3	3	20	10	50
171CS11114	GUPTA RAJAT	10	4	6	0	20	10	50
181CS12001	SNEHA NAGESH PANDIT	9	4	5	0	20	9	45
181CS12002	KAVITA KANTILAL PARDESHI	10	4	3	3	20	10	50
181CS12003	ANU VINOD JARE	8	4	4	0	20	8	40
181CS12004	VAISHNAVI RAMEHWAR BHOGAWAKAR	8	4	4	0	20	8	40
181CS12005	SUMAYYA DASTGIR MANERI	10	4	6	0	20	10	50
181CS12006	KOMAL SUDHIR KADLASKAR	10	4	3	3	20	10	50
181CS12007	SNEHAL BALASAHEB PATIL	9	4	5	0	20	9	45
181CS12008	SWAPNALI GANESH PATIL	10	4	6	0	20	10	50
181CS12009	DIPALI SUDAM JADHAV	8	4	4	0	20	8	40
181CS12010	PRAVIN VIJAYKUMAR SHEDBALE	9	4	5	0	20	9	45
181CS12011	PALLAVI RAJESH PANGUDWALE	10	4	6	0	20	10	50
181CS12012	HARSHDA SUNIL BHANDARE	9	4	5	0	20	9	45
181CS12013	MAMTA MOHANLAL JANGID	10	4	6	0	20	10	50
181CS12014	PRANOTI CHANDRAKANT SARVAGOD	8	4	4	0	20	8	40
181CS12015	SANDESH PANDIT KOLI	10	4	6	0	20	10	50
181CS12016	PUNAM SATISH SUTAR	10	4	3	3	20	10	50
181CS12017	SUNIL SHIVASHARAN SWATI	8	4	0	4	20	8	40

Roll No.	Name of Student	Linked CO	CS313-18.3	CS313-18.3	CS313-18.3	CS313-18.3		
		Max. Marks	4	8	8			
		Q. No. / Total Obtained Marks	Q1	Q2	Q3	Max. Marks	Obtained Marks	% Marks
181CS12018	POOJA SUNIL SARAVADE	10	4	4	2	20	10	50
181CS12020	HRITIVKH SANTOSH NAMADE	10	4	4	2	20	10	50
181CS12021	VAISHNAVIDEVI VILAS TODKARI	9	4	0	5	20	9	45
181CS12022	PRIYANKA SANTOSH GAWALI	10	4	6	0	20	10	50
181CS12023	SUSHANT GANESH KUMBHAR	10	4	0	6	20	10	50
181CS12024	DIPALI POPAT LIGADE	8	4	0	4	20	8	40
181CS12025	SHRAVANI SADASHIV GAIKWAD	9	4	5	0	20	9	45
181CS12027	SNEHAL RAMESHWAR SWAMI	9	4	5	0	20	9	45
181CS12028	POOJA UTTAM BELDAR	11	4	5	2	20	11	55
181CS12030	AISHWARYA PRADEEP MULADE	11	4	4	3	20	11	55

Number of Students: 63

Tool CO Attainment

Target Level(%): 40

Linked CO	CS313-18.3
No. of Students achieving Target Level	62
No. of Applicable Students	63
% Students achieving Target Level	98.41
Attainment Level	3

CO ATTAINMENT REPORT: UNIT TEST-III

ACADEMIC YEAR: 2019-20

DEPARTMENT: COMPUTER SCIENCE AND ENGINEERING

PROGRAM: UNDER GRADUATE IN COMPUTER SCIENCE AND ENGINEERING

CLASS: THIRD YEAR

DIVISION: B

COURSE: DATABASE ENGINEERING (CS313-18)

TOOL NAME: UT-3

TOOL MAX. MARKS: 20

Roll No.	Name of Student	Linked CO	CS313-18.5	CS313-18.5	CS313-18.5	CS313-18.5		
		Max. Marks	4	8	8	Max. Marks	Obtained Marks	% Marks
		Q. No. / Total Obtained Marks	Q1	Q2	Q3			
151CS11070	SAMEER IMTIYAZ DEVALE	8	4	4	0	20	8	40
161CS11040	PRAFULLA RAJENDRA GAIKWAD	8	4	0	4	20	8	40
161CS11091	MONALI RAVINDRA DAGADE	10	4	4	2	20	10	50
161CS11094	SNEHAL DEVIDAS KARANDE	11	4	4	3	20	11	55
171CS11015	TUKARAM ADLINGE REVATI	8	4	4	0	20	8	40
171CS11018	KRANTI SANJAY SIDDHAGANESH	11	4	3	4	20	11	55
171CS11020	SNEHA ANURUDRA SHINDE	10	4	6	0	20	10	50
171CS11021	ABHISHEK GURUPADAPPA ALAGI	11	4	6	1	20	11	55
171CS11022	SRUSHTI RAHUL DINDORE	4	4	0	0	20	4	20
171CS11026	YOGITA JITENDRA ATHAWALE	10	4	3	3	20	10	50
171CS11033	DATTA BHOI CHANDANI	8	4	0	4	20	8	40
171CS11035	NIKITA JAYKUMAR PATIL	15	4	5	6	20	15	75
171CS11037	AISHWARYA DEVIDAS METKARI	8	4	4	0	20	8	40
171CS11039	SHUBHANGI VISHNU KHADAKE	7	4	3	0	20	7	35
171CS11043	KUNDAN SALUNKE AMOL	10	4	4	2	20	10	50
171CS11044	SNEHA SANJAY YERNALE	10	4	6	0	20	10	50
171CS11049	PRACHI PRASAD GURAV	10	4	0	6	20	10	50
171CS11050	PRATIKSHA RAVINDRA GAIKWAD	11	4	4	3	20	11	55
171CS11053	SUMEET SHIVRAJ MULGE	10	4	3	3	20	10	50
171CS11054	BHAGYASHRI ARUN MUNDHE	10	4	2	4	20	10	50
171CS11062	PRAJKTA VIJAY ASABE	10	4	1	5	20	10	50
171CS11065	SHRADDHA RAVINDRA PADWAL	5	4	0	1	20	5	25
171CS11067	RAJSHREE PANDURANG GAIKWAD	10	4	2	4	20	10	50
171CS11073	SHIVANI NAGNATH SWAMI	10	4	6	0	20	10	50
171CS11076	SNEHAL RAGHUNATH PISE	10	4	0	6	20	10	50
171CS11078	SANJAY BHIMRAO HONMANE	8	4	0	4	20	8	40
171CS11084	PRUTHVIRAJ TUKARAM PATIL	11	4	5	2	20	11	55
171CS11090	ANKITA PRADIP BHOITE	9	4	0	5	20	9	45
171CS11093	SHIVANI SUHAS SHENDE	7	4	3	0	20	7	35
171CS11094	BALASAHEB SAWANT RAVIRAJ	8	4	4	0	20	8	40
171CS11101	SANDESH SUDHAKAR NARKAR	10	4	0	6	20	10	50
171CS11102	SUJATA RAMESH BIRAJDAR	10	4	6	0	20	10	50
171CS11104	VIJAY TANAJI GHADAGE	11	4	2	5	20	11	55
171CS11106	ARBAJ FARUK SHAIKH	10	4	3	3	20	10	50
171CS11107	SAKSHI RAJENDRASINH MANDWALE	10	4	2	4	20	10	50
171CS11114	GUPTA RAJAT	10	4	6	0	20	10	50
181CS12001	SNEHA NAGESH PANDIT	13	4	4	5	20	13	65
181CS12002	KAVITA KANTILAL PARDESHI	14	4	4	6	20	14	70
181CS12003	ANU VINOD JARE	10	4	2	4	20	10	50
181CS12004	VAISHNAVI RAMEHWAR BHOGAWAKAR	9	4	0	5	20	9	45
181CS12005	SUMAYYA DASTGIR MANERI	8	4	4	0	20	8	40
181CS12006	KOMAL SUDHIR KADLASKAR	10	4	0	6	20	10	50
181CS12007	SNEHAL BALASAHEB PATIL	9	4	0	5	20	9	45
181CS12008	SWAPNALI GANESH PATIL	8	4	4	0	20	8	40
181CS12009	DIPALI SUDAM JADHAV	10	4	4	2	20	10	50
181CS12010	PRAVIN VIJAYKUMAR SHEDBALE	10	4	2	4	20	10	50
181CS12011	PALLAVI RAJESH PANGUDWALE	10	4	3	3	20	10	50
181CS12012	HARSHDA SUNIL BHANDARE	11	4	3	4	20	11	55
181CS12013	MAMTA MOHANLAL JANGID	8	4	4	0	20	8	40
181CS12014	PRANOTI CHANDRAKANT SARVAGOD	8	4	0	4	20	8	40
181CS12015	SANDESH PANDIT KOLI	10	4	2	4	20	10	50
181CS12016	PUNAM SATISH SUTAR	10	4	2	4	20	10	50

		Linked CO	CS313-18.5	CS313-18.5	CS313-18.5	CS313-18.5		
Roll No.	Name of Student	Max. Marks	4	8	8	Max. Marks	Obtained Marks	% Marks
		Q. No. / Total Obtained Marks	Q1	Q2	Q3			
181CS12017	SUNIL SHIVASHARAN SWATI	8	4	0	4	20	8	40
181CS12018	POOJA SUNIL SARAVADE	8	4	4	0	20	8	40
181CS12020	HRITIVKH SANTOSH NAMADE	9	4	0	5	20	9	45
181CS12021	VAISHNAVIDEVI VILAS TODKARI	7	4	3	0	20	7	35
181CS12022	PRIYANKA SANTOSH GAWALI	9	4	5	0	20	9	45
181CS12023	SUSHANT GANESH KUMBHAR	8	4	0	4	20	8	40
181CS12024	DIPALI POPAT LIGADE	8	4	4	0	20	8	40
181CS12025	SHRAVANI SADASHIV GAIKWAD	10	4	4	2	20	10	50
181CS12027	SNEHAL RAMESHWAR SWAMI	10	4	3	3	20	10	50
181CS12028	POOJA UTTAM BELDAR	10	4	3	3	20	10	50
181CS12030	AISHWARYA PRADEEP MULADE	7	4	3	0	20	7	35

Number of Students: 63

Tool CO Attainment

Target Level(%): 40

Linked CO	CS313-18.5
No. of Students achieving Target Level	57
No. of Applicable Students	63
% Students achieving Target Level	90.48
Attainment Level	3

CO ATTAINMENT REPORT: ASSIGNMENT

ACADEMIC YEAR: 2019-20

DEPARTMENT: COMPUTER SCIENCE AND ENGINEERING

PROGRAM: UNDER GRADUATE IN COMPUTER SCIENCE AND ENGINEERING

CLASS: THIRD YEAR

DIVISION: B

COURSE: DATABASE ENGINEERING (CS313-18)

TOOL NAME: ASSIGNMENT

TOOL MAX. MARKS: 200

Roll No.	Name of Student	Linked CO	CS313-18.1			CS313-18.2			CS313-18.3			CS313-18.4			CS313-18.5			CS313-18.6				
		Assignme nt No. / Total Obtained Marks	Max. Marks	A1 (Obtain ed Marks)	% Marks	Max. Marks	A2 (Obtain ed Marks)	% Marks	Max Marks	A3 (Obtain ed Marks)	% Marks	Max Marks	A4 (Obtai ned Marks)	% Marks	Max Marks	A5 (Obtai ned Marks)	% Marks	Max Marks	A6 (Obtai ned Marks)	A7 (Obtai ned Marks)	A8 (Obtain ed Marks)	% Marks
151CS1 1070	SAMEER IMTIYAZ DEVALE	185	25	23	92	25	23	92	25	23	92	25	24	96	25	23	92	75	22	23	24	92
161CS1 1040	PRAFULLA RAJENDRA GAIKWAD	163	25	23	92	25	23	92	25	17	68	25	18	72	25	19	76	75	20	21	22	84
161CS1 1091	MONALI RAVINDRA DAGADE	177	25	24	96	25	23	92	25	20	80	25	22	88	25	23	92	75	21	22	22	86.67
161CS1 1094	SNEHAL DEVIDAS KARANDE	190	25	24	96	25	24	96	25	23	92	25	24	96	25	24	96	75	24	23	24	94.67
171CS1 1015	TUKARAM ADLINGE REVATI	158	25	23	92	25	19	76	25	23	92	25	18	72	25	18	72	75	19	19	19	76
171CS1 1018	KRANTI SANJAY SIDDHAGANESH	177	25	24	96	25	23	92	25	20	80	25	22	88	25	23	92	75	21	22	22	86.67
171CS1 1020	SNEHA ANURUDRA SHINDE	187	25	24	96	25	24	96	25	24	96	25	24	96	25	22	88	75	22	23	24	92
171CS1 1021	ABHISHEK GURUPADAPPA ALAGI	190	25	24	96	25	24	96	25	23	92	25	24	96	25	24	96	75	24	23	24	94.67
171CS1 1022	SRUSHTI RAHUL DINDORE	146	25	24	96	25	16	64	25	16	64	25	17	68	25	17	68	75	18	19	19	74.67
171CS1 1026	YOGITA JITENDRA ATHAWALE	180	25	23	92	25	23	92	25	22	88	25	23	92	25	23	92	75	21	22	23	88
171CS1 1033	DATTA BHOI CHANDANI	176	25	23	92	25	23	92	25	22	88	25	24	96	25	19	76	75	20	22	23	86.67
171CS1 1035	NIKITA JAYKUMAR PATIL	163	25	23	92	25	23	92	25	17	68	25	18	72	25	19	76	75	20	21	22	84
171CS1 1037	AISHWARYA DEVIDAS METKARI	177	25	24	96	25	23	92	25	20	80	25	22	88	25	23	92	75	21	22	22	86.67
171CS1 1039	SHUBHANGI VISHNU KHADAKE	187	25	24	96	25	24	96	25	24	96	25	24	96	25	22	88	75	22	23	24	92
171CS1 1043	KUNDAN SALUNKE AMOL	190	25	24	96	25	24	96	25	23	92	25	24	96	25	24	96	75	24	23	24	94.67
171CS1 1044	SNEHA SANJAY YERNALE	154	25	24	96	25	17	68	25	17	68	25	18	72	25	18	72	75	19	20	21	80
171CS1 1049	PRACHI PRASAD GURAV	180	25	23	92	25	23	92	25	23	92	25	24	96	25	22	88	75	20	22	23	86.67
171CS1 1050	PRATIKSHA RAVINDRA GAIKWAD	154	25	24	96	25	17	68	25	17	68	25	18	72	25	18	72	75	19	20	21	80

171CS1 1053	SUMEET SHIVRAJ MULGE	163	25	23	92	25	23	92	25	17	68	25	18	72	25	19	76	75	20	21	22	84
171CS1 1054	BHAGYASHRI ARUN MUNDHE	163	25	23	92	25	23	92	25	17	68	25	18	72	25	19	76	75	20	21	22	84
171CS1 1062	PRAJKTA VIJAY ASABE	185	25	23	92	25	21	84	25	24	96	25	23	92	25	24	96	75	23	23	24	93.33
171CS1 1065	SHRADDHA RAVINDRA PADWAL	185	25	23	92	25	23	92	25	23	92	25	24	96	25	23	92	75	22	23	24	92
171CS1 1067	RAJSHREE PANDURANG GAIKWAD	175	25	23	92	25	19	76	25	20	80	25	23	92	25	24	96	75	21	22	23	88
171CS1 1073	SHIVANI NAGNATH SWAMI	154	25	24	96	25	17	68	25	17	68	25	18	72	25	18	72	75	19	20	21	80
171CS1 1076	SNEHAL RAGHUNATH PISE	177	25	24	96	25	23	92	25	20	80	25	22	88	25	23	92	75	21	22	22	86.67
171CS1 1078	SANJAY BHIMRAO HONMANE	185	25	23	92	25	23	92	25	23	92	25	24	96	25	23	92	75	22	23	24	92
171CS1 1084	PRUTHVIRAJ TUKARAM PATIL	177	25	24	96	25	23	92	25	20	80	25	22	88	25	23	92	75	21	22	22	86.67
171CS1 1090	ANKITA PRADIP BHOITE	182	25	23	92	25	24	96	25	22	88	25	24	96	25	23	92	75	20	22	24	88
171CS1 1093	SHIVANI SUHAS SHENDE	185	25	23	92	25	23	92	25	23	92	25	24	96	25	23	92	75	22	23	24	92
171CS1 1094	BALASAHEB SAWANT RAVIRAJ	163	25	23	92	25	23	92	25	17	68	25	18	72	25	19	76	75	20	21	22	84
171CS1 1101	SANDESH SUDHAKAR NARKAR	187	25	24	96	25	24	96	25	24	96	25	24	96	25	22	88	75	22	23	24	92
171CS1 1102	SUJATA RAMESH BIRAJDAR	177	25	24	96	25	24	96	25	19	76	25	20	80	25	21	84	75	22	23	24	92
171CS1 1104	VIJAY TANAJI GHADAGE	128	25	16	64	25	16	64	25	16	64	25	16	64	25	16	64	75	16	16	16	64
171CS1 1106	ARBAJ FARUK SHAIKH	185	25	23	92	25	23	92	25	23	92	25	24	96	25	23	92	75	22	23	24	92
171CS1 1107	SAKSHI RAJENDRASINH MANDWALE	185	25	23	92	25	23	92	25	23	92	25	24	96	25	23	92	75	22	23	24	92
171CS1 1114	GUPTA RAJAT	163	25	23	92	25	23	92	25	17	68	25	18	72	25	19	76	75	20	21	22	84
181CS1 2001	SNEHA NAGESH PANDIT	187	25	24	96	25	24	96	25	24	96	25	24	96	25	22	88	75	22	23	24	92
181CS1 2002	KAVITA KANTILAL PARDESHI	190	25	24	96	25	24	96	25	23	92	25	24	96	25	24	96	75	24	23	24	94.67
181CS1 2003	ANU VINOD JARE	177	25	24	96	25	23	92	25	20	80	25	22	88	25	23	92	75	21	22	22	86.67
181CS1 2004	VAISHNAVI RAMEHWAR BHOGAWAKAR	179	25	22	88	25	23	92	25	22	88	25	23	92	25	23	92	75	21	22	23	88
181CS1 2005	SUMAYYA DASTGIR MANERI	187	25	24	96	25	24	96	25	24	96	25	24	96	25	22	88	75	22	23	24	92
181CS1 2006	KOMAL SUDHIR KADLASKAR	190	25	24	96	25	24	96	25	23	92	25	24	96	25	24	96	75	24	23	24	94.67
181CS1 2007	SNEHAL BALASAHEB PATIL	185	25	23	92	25	23	92	25	23	92	25	24	96	25	23	92	75	22	23	24	92
181CS1 2008	SWAPNALI GANESH PATIL	187	25	24	96	25	24	96	25	24	96	25	24	96	25	22	88	75	22	23	24	92
181CS1 2009	DIPALI SUDAM JADHAV	184	25	23	92	25	23	92	25	22	88	25	23	92	25	23	92	75	23	23	24	93.33
181CS1 2010	PRAVIN VIJAYKUMAR SHEDBALE	187	25	24	96	25	24	96	25	24	96	25	24	96	25	22	88	75	22	23	24	92

181CS1 2011	PALLAVI RAJESH PANGUDWALE	177	25	24	96	25	23	92	25	20	80	25	22	88	25	23	92	75	21	22	22	86.67
181CS1 2012	HARSHDA SUNIL BHANDARE	169	25	23	92	25	20	80	25	19	76	25	20	80	25	21	84	75	21	22	23	88
181CS1 2013	MAMTA MOHANLAL JANGID	187	25	24	96	25	24	96	25	24	96	25	24	96	25	22	88	75	22	23	24	92
181CS1 2014	PRANOTI CHANDRAKANT SARVAGOD	185	25	23	92	25	23	92	25	23	92	25	24	96	25	23	92	75	22	23	24	92
181CS1 2015	SANDESH PANDIT KOLI	177	25	24	96	25	23	92	25	20	80	25	22	88	25	23	92	75	21	22	22	86.67
181CS1 2016	PUNAM SATISH SUTAR	190	25	24	96	25	24	96	25	23	92	25	24	96	25	24	96	75	24	23	24	94.67
181CS1 2017	SUNIL SHIVASHARAN SWATI	187	25	24	96	25	24	96	25	24	96	25	24	96	25	22	88	75	22	23	24	92
181CS1 2018	POOJA SUNIL SARAVADE	163	25	23	92	25	23	92	25	17	68	25	18	72	25	19	76	75	20	21	22	84
181CS1 2020	HRITIVKH SANTOSH NAMADE	185	25	23	92	25	23	92	25	23	92	25	24	96	25	23	92	75	22	23	24	92
181CS1 2021	VAISHNAVIDEVI VILAS TODKARI	177	25	24	96	25	23	92	25	20	80	25	22	88	25	23	92	75	21	22	22	86.67
181CS1 2022	PRIYANKA SANTOSH GAWALI	179	25	24	96	25	21	84	25	22	88	25	22	88	25	21	84	75	22	23	24	92
181CS1 2023	SUSHANT GANESH KUMBHAR	190	25	24	96	25	24	96	25	23	92	25	24	96	25	24	96	75	24	23	24	94.67
181CS1 2024	DIPALI POPAT LIGADE	163	25	23	92	25	23	92	25	17	68	25	18	72	25	19	76	75	20	21	22	84
181CS1 2025	SHRAVANI SADASHIV GAIKWAD	172	25	23	92	25	18	72	25	19	76	25	20	80	25	21	84	75	24	24	23	94.67
181CS1 2027	SNEHAL RAMESHWAR SWAMI	185	25	23	92	25	23	92	25	23	92	25	24	96	25	23	92	75	22	23	24	92
181CS1 2028	POOJA UTTAM BELDAR	176	25	23	92	25	19	76	25	22	88	25	23	92	25	23	92	75	21	22	23	88
181CS1 2030	AISHWARYA PRADEEP MULADE	190	25	24	96	25	24	96	25	23	92	25	24	96	25	24	96	75	24	23	24	94.67

Number of Students: 63

Tool CO Attainment

Target Level(%): 40

Linked CO	CS313- 18.1	CS313- 18.2	CS313- 18.3	CS313- 18.4	CS313- 18.5	CS313- 18.6
No. of Students achieving Target Level	63	63	63	63	63	63
No. of Applicable Students	63	63	63	63	63	63
% Students achieving Target Level	100	100	100	100	100	100
Attainment Level	3	3	3	3	3	3

CO ATTAINMENT REPORT: LAB BOOK

ACADEMIC YEAR: 2019-20

DEPARTMENT: COMPUTER SCIENCE AND ENGINEERING

PROGRAM: UNDER GRADUATE IN COMPUTER SCIENCE AND ENGINEERING

CLASS: THIRD YEAR

DIVISION: B

COURSE: DATABASE ENGINEERING (CS313-18)

TOOL NAME: LAB BOOK

TOOL MAX. MARKS: 224

		Linked CO	CS313 -18.1	CS313 -18.2	CS313 -18.3	CS313-18.3	CS313 -18.3	CS313 -18.3	CS313 -18.3	CS313 -18.6	CS313 -18.6	CS313-18.1			CS313-18.2			CS313-18.3			CS313-18.6		
		Max. Marks	24	25	25	25	25	25	25	25	25												
Roll No.	Name of Student	Experiment No. / Total Obtained Marks	E1	E2	E3	E4	E5	E6	E7	E8	E9	Max. Marks	Obtained Marks	% Marks	Max. Marks	Obtained Marks	% Marks	Max. Marks	Obtained Marks	% Marks	Max. Marks	Obtained Marks	% Marks
151CS1 1070	SAMEER IMTIYAZ DEVALE	200	19	20	21	22	23	24	23	24	24	24	19	79.17	25	20	80	125	113	90.4	50	48	96
161CS1 1040	PRAFULLA RAJENDRA GAIKWAD	126	14	14	14	14	14	14	14	14	14	24	14	58.33	25	14	56	125	70	56	50	28	56
161CS1 1091	MONALI RAVINDRA DAGADE	195	19	20	21	21	22	22	23	23	24	24	19	79.17	25	20	80	125	109	87.2	50	47	94
161CS1 1094	SNEHAL DEVIDAS KARANDE	144	16	16	16	16	16	16	16	16	16	24	16	66.67	25	16	64	125	80	64	50	32	64
171CS1 1015	TUKARAM ADLINGE REVATI	189	17	18	19	20	21	23	23	24	24	24	17	70.83	25	18	72	125	106	84.8	50	48	96
171CS1 1018	KRANTI SANJAY SIDDHAGANESH	199	20	21	22	22	23	22	22	23	24	24	20	83.33	25	21	84	125	111	88.8	50	47	94
171CS1 1020	SNEHA ANURUDRA SHINDE	204	21	21	22	22	23	23	24	24	24	24	21	87.5	25	21	84	125	114	91.2	50	48	96
171CS1 1021	ABHISHEK GURUPADAPPA ALAGI	214	24	23	23	24	24	24	24	24	24	24	24	100	25	23	92	125	119	95.2	50	48	96
171CS1 1022	SRUSHTI RAHUL DINDORE	126	14	14	14	14	14	14	14	14	14	24	14	58.33	25	14	56	125	70	56	50	28	56
171CS1 1026	YOGITA JITENDRA ATHAWALE	202	23	21	22	22	22	23	23	23	23	24	23	95.83	25	21	84	125	112	89.6	50	46	92
171CS1 1033	DATTA BHOI CHANDANI	204	21	21	22	23	22	23	24	24	24	24	21	87.5	25	21	84	125	114	91.2	50	48	96
171CS1 1035	NIKITA JAYKUMAR PATIL	213	23	22	23	24	24	24	25	24	24	24	23	95.83	25	22	88	125	120	96	50	48	96
171CS1 1037	AISHWARYA DEVIDAS METKARI	210	21	22	23	23	24	24	25	24	24	24	21	87.5	25	22	88	125	119	95.2	50	48	96
171CS1 1039	SHUBHANGI VISHNU KHADAKE	194	19	20	20	21	21	22	23	24	24	24	19	79.17	25	20	80	125	107	85.6	50	48	96
171CS1 1043	KUNDAN SALUNKE AMOL	209	24	22	22	23	23	24	23	24	24	24	24	100	25	22	88	125	115	92	50	48	96
171CS1 1044	SNEHA SANJAY YERNALE	144	16	16	16	16	16	16	16	16	16	24	16	66.67	25	16	64	125	80	64	50	32	64
171CS1 1049	PRACHI PRASAD GURAV	200	20	21	21	22	22	23	23	24	24	24	20	83.33	25	21	84	125	111	88.8	50	48	96

171CS1 1050	PRATIKSHA RAVINDRA GAIKWAD	180	18	18	19	19	20	20	21	22	23	24	18	75	25	18	72	125	99	79.2	50	45	90
171CS1 1053	SUMEET SHIVRAJ MULGE	208	24	22	22	22	23	23	24	24	24	24	24	100	25	22	88	125	114	91.2	50	48	96
171CS1 1054	BHAGYASHRI ARUN MUNDHE	194	18	19	20	21	22	23	24	23	24	24	18	75	25	19	76	125	110	88	50	47	94
171CS1 1062	PRAJKTA VIJAY ASABE	205	21	22	22	23	24	22	23	24	24	24	21	87.5	25	22	88	125	114	91.2	50	48	96
171CS1 1065	SHRADDHA RAVINDRA PADWAL	175	17	18	18	19	19	20	20	21	23	24	17	70.83	25	18	72	125	96	76.8	50	44	88
171CS1 1067	RAJSHREE PANDURANG GAIKWAD	144	16	16	16	16	16	16	16	16	16	24	16	66.67	25	16	64	125	80	64	50	32	64
171CS1 1073	SHIVANI NAGNATH SWAMI	201	20	21	22	22	23	23	22	24	24	24	20	83.33	25	21	84	125	112	89.6	50	48	96
171CS1 1076	SNEHAL RAGHUNATH PISE	220	24	24	24	24	24	25	25	25	25	24	24	100	25	24	96	125	122	97.6	50	50	100
171CS1 1078	SANJAY BHIMRAO HONMANE	212	24	24	24	24	23	23	23	23	24	24	24	100	25	24	96	125	117	93.6	50	47	94
171CS1 1084	PRUTHVIRAJ TUKARAM PATIL	206	21	21	22	23	24	24	23	24	24	24	21	87.5	25	21	84	125	116	92.8	50	48	96
171CS1 1090	ANKITA PRADIP BHOITE	208	24	22	22	23	22	23	24	24	24	24	24	100	25	22	88	125	114	91.2	50	48	96
171CS1 1093	SHIVANI SUHAS SHENDE	208	21	22	22	23	24	24	24	24	24	24	21	87.5	25	22	88	125	117	93.6	50	48	96
171CS1 1094	BALASAHEB SAWANT RAVIRAJ	156	16	16	17	17	17	18	18	18	19	24	16	66.67	25	16	64	125	87	69.6	50	37	74
171CS1 1101	SANDESH SUDHAKAR NARKAR	205	22	21	22	22	23	23	24	24	24	24	22	91.67	25	21	84	125	114	91.2	50	48	96
171CS1 1102	SUJATA RAMESH BIRAJDAR	203	21	22	22	23	23	24	24	20	24	24	21	87.5	25	22	88	125	116	92.8	50	44	88
171CS1 1104	VIJAY TANAJI GHADAGE	192	21	19	20	20	21	22	22	23	24	24	21	87.5	25	19	76	125	105	84	50	47	94
171CS1 1106	ARBAJ FARUK SHAIKH	181	18	18	18	19	20	21	22	22	23	24	18	75	25	18	72	125	100	80	50	45	90
171CS1 1107	SAKSHI RAJENDRASINH MANDWALE	210	24	21	22	23	24	24	24	24	24	24	24	100	25	21	84	125	117	93.6	50	48	96
171CS1 1114	GUPTA RAJAT	213	24	24	24	24	24	22	23	24	24	24	24	100	25	24	96	125	117	93.6	50	48	96
181CS1 2001	SNEHA NAGESH PANDIT	211	21	22	23	23	24	24	25	25	24	24	21	87.5	25	22	88	125	119	95.2	50	49	98
181CS1 2002	KAVITA KANTILAL PARDESHI	202	20	21	22	22	22	23	24	24	24	24	20	83.33	25	21	84	125	113	90.4	50	48	96
181CS1 2003	ANU VINOD JARE	195	24	18	19	20	21	22	23	24	24	24	24	100	25	18	72	125	105	84	50	48	96
181CS1 2004	VAISHNAVI RAMEHWAR BHOGAWAKAR	207	21	22	22	23	23	24	24	24	24	24	21	87.5	25	22	88	125	116	92.8	50	48	96
181CS1 2005	SUMAYYA DASTGIR MANERI	208	21	22	22	23	23	24	25	24	24	24	21	87.5	25	22	88	125	117	93.6	50	48	96
181CS1 2006	KOMAL SUDHIR KADLASKAR	211	23	23	24	24	24	23	23	23	24	24	23	95.83	25	23	92	125	118	94.4	50	47	94
181CS1 2007	SNEHAL BALASAHEB PATIL	199	20	21	21	22	22	22	23	24	24	24	20	83.33	25	21	84	125	110	88	50	48	96
181CS1 2008	SWAPNALI GANESH PATIL	203	21	22	22	23	23	22	23	23	24	24	21	87.5	25	22	88	125	113	90.4	50	47	94

181CS1 2009	DIPALI SUDAM JADHAV	195	19	20	21	22	23	22	23	22	23	24	19	79.17	25	20	80	125	111	88.8	50	45	90
181CS1 2010	PRAVIN VIJAYKUMAR SHEDBALE	144	16	16	16	16	16	16	16	16	16	24	16	66.67	25	16	64	125	80	64	50	32	64
181CS1 2011	PALLAVI RAJESH PANGUDWALE	202	20	21	21	22	22	24	25	23	24	24	20	83.33	25	21	84	125	114	91.2	50	47	94
181CS1 2012	HARSHDA SUNIL BHANDARE	208	23	22	22	23	23	23	24	24	24	24	23	95.83	25	22	88	125	115	92	50	48	96
181CS1 2013	MAMTA MOHANLAL JANGID	202	24	21	22	22	23	22	23	21	24	24	24	100	25	21	84	125	112	89.6	50	45	90
181CS1 2014	PRANOTI CHANDRAKANT SARVAGOD	144	16	16	16	16	16	16	16	16	16	24	16	66.67	25	16	64	125	80	64	50	32	64
181CS1 2015	SANDESH PANDIT KOLI	178	24	17	18	18	19	19	20	21	22	24	24	100	25	17	68	125	94	75.2	50	43	86
181CS1 2016	PUNAM SATISH SUTAR	211	22	22	23	23	24	24	25	24	24	24	22	91.67	25	22	88	125	119	95.2	50	48	96
181CS1 2017	SUNIL SHIVASHARAN SWATI	188	17	18	19	20	21	22	23	24	24	24	17	70.83	25	18	72	125	105	84	50	48	96
181CS1 2018	POOJA SUNIL SARAVADE	208	21	22	22	23	23	24	25	24	24	24	21	87.5	25	22	88	125	117	93.6	50	48	96
181CS1 2020	HRITIVKH SANTOSH NAMADE	208	22	23	23	24	24	22	23	23	24	24	22	91.67	25	23	92	125	116	92.8	50	47	94
181CS1 2021	VAISHNAVIDEVI VILAS TODKARI	204	21	21	22	22	23	23	24	24	24	24	21	87.5	25	21	84	125	114	91.2	50	48	96
181CS1 2022	PRIYANKA SANTOSH GAWALI	207	24	21	22	22	23	24	23	24	24	24	24	100	25	21	84	125	114	91.2	50	48	96
181CS1 2023	SUSHANT GANESH KUMBHAR	204	23	24	21	21	22	22	23	24	24	24	23	95.83	25	24	96	125	109	87.2	50	48	96
181CS1 2024	DIPALI POPAT LIGADE	208	24	22	22	23	23	23	23	24	24	24	24	100	25	22	88	125	114	91.2	50	48	96
181CS1 2025	SHRAVANI SADASHIV GAIKWAD	208	24	21	22	23	23	23	24	24	24	24	24	100	25	21	84	125	115	92	50	48	96
181CS1 2027	SNEHAL RAMESHWAR SWAMI	204	20	21	22	22	23	24	24	24	24	24	20	83.33	25	21	84	125	115	92	50	48	96
181CS1 2028	POOJA UTTAM BELDAR	205	24	22	22	23	23	22	23	22	24	24	24	100	25	22	88	125	113	90.4	50	46	92
181CS1 2030	AISHWARYA PRADEEP MULADE	207	24	22	22	23	22	23	24	23	24	24	24	100	25	22	88	125	114	91.2	50	47	94

Number of Students: 63

Tool CO Attainment

Target Level(%): 50

Linked CO	CS313-18.1	CS313-18.2	CS313-18.3	CS313-18.6
No. of Students achieving Target Level	63	63	63	63
No. of Applicable Students	63	63	63	63
% Students achieving Target Level	100	100	100	100
Attainment Level	3	3	3	3

CO ATTAINMENT REPORT: PPPE

ACADEMIC YEAR: 2019-20

DEPARTMENT: COMPUTER SCIENCE AND ENGINEERING

PROGRAM: UNDER GRADUATE IN COMPUTER SCIENCE AND ENGINEERING

CLASS: THIRD YEAR

DIVISION: B

COURSE: DATABASE ENGINEERING (CS313-18)

TOOL NAME: PPPE

TOOL MAX. MARKS: 70

Roll No.	Name of Student	Linked CO	CS31 3-18.1	CS31 3-18.2	CS31 3-18.3	CS31 3-18.3	CS313 -18.5	CS313 -18.6	CS313 -18.6	CS313-18.1			CS313-18.2			CS313-18.3			CS313-18.5			CS313-18.6		
		Max. Marks	10	10	10	10	10	10	10															
		Assign ment No. / Total Obtain ed Marks								Max. Mark s	Obtaine d Marks	% Mark s	Max. Mark s	Obtaine d Marks	% Mark s	Max. Mark s	Obtaine d Marks	% Mark s	Max. Mark s	Obtaine d Marks	% Mark s	Max. Mark s	Obtaine d Marks	% Mark s
151CS1 1070	SAMEER IMTIYAZ DEVALE	51	8	8	7	7	6	7	8	10	8	80	10	8	80	20	14	70	10	6	60	20	15	75
161CS1 1040	PRAFULLA RAJENDRA GAIKWAD	48	6	6	7	6	7	8	8	10	6	60	10	6	60	20	13	65	10	7	70	20	16	80
161CS1 1091	MONALI RAVINDRA DAGADE	54	8	7	8	7	9	7	8	10	8	80	10	7	70	20	15	75	10	9	90	20	15	75
161CS1 1094	SNEHAL DEVIDAS KARANDE	60	7	8	9	10	9	8	9	10	7	70	10	8	80	20	19	95	10	9	90	20	17	85
171CS1 1015	TUKARAM ADLINGE REVATI	60	8	7	9	9	10	9	8	10	8	80	10	7	70	20	18	90	10	10	100	20	17	85
171CS1 1018	KRANTI SANJAY SIDDHAGANESH	63	10	9	8	10	9	8	9	10	10	100	10	9	90	20	18	90	10	9	90	20	17	85
171CS1 1020	SNEHA ANURUDRA SHINDE	66	9	10	10	10	10	9	8	10	9	90	10	10	100	20	20	100	10	10	100	20	17	85
171CS1 1021	ABHISHEK GURUPADAPPA ALAGI	56	9	8	9	8	7	8	7	10	9	90	10	8	80	20	17	85	10	7	70	20	15	75
171CS1 1022	SRUSHTI RAHUL DINDORE	50	9	8	9	6	6	6	6	10	9	90	10	8	80	20	15	75	10	6	60	20	12	60
171CS1 1026	YOGITA JITENDRA ATHAWALE	61	8	7	9	8	10	10	9	10	8	80	10	7	70	20	17	85	10	10	100	20	19	95
171CS1 1033	DATTA BHOI CHANDANI	63	9	10	9	8	10	9	8	10	9	90	10	10	100	20	17	85	10	10	100	20	17	85
171CS1 1035	NIKITA JAYKUMAR PATIL	64	10	9	9	10	8	9	9	10	10	100	10	9	90	20	19	95	10	8	80	20	18	90
171CS1 1037	AISHWARYA DEVIDAS METKARI	63	10	9	8	9	10	9	8	10	10	100	10	9	90	20	17	85	10	10	100	20	17	85
171CS1 1039	SHUBHANGI VISHNU KHADAKE	64	9	8	9	10	9	10	9	10	9	90	10	8	80	20	19	95	10	9	90	20	19	95
171CS1 1043	KUNDAN SALUNKE AMOL	54	9	8	9	8	7	6	7	10	9	90	10	8	80	20	17	85	10	7	70	20	13	65
171CS1 1044	SNEHA SANJAY YERNALE	51	6	6	7	7	8	8	9	10	6	60	10	6	60	20	14	70	10	8	80	20	17	85
171CS1 1049	PRACHI PRASAD GURAV	63	9	8	9	8	9	10	10	10	9	90	10	8	80	20	17	85	10	9	90	20	20	100

171CS1 1050	PRATIKSHA RAVINDRA GAIKWAD	62	10	9	8	9	8	9	9	10	10	100	10	9	90	20	17	85	10	8	80	20	18	90
171CS1 1053	SUMEET SHIVRAJ MULGE	57	9	8	8	7	7	9	9	10	9	90	10	8	80	20	15	75	10	7	70	20	18	90
171CS1 1054	BHAGYASHRI ARUN MUNDHE	61	9	8	9	8	10	9	8	10	9	90	10	8	80	20	17	85	10	10	100	20	17	85
171CS1 1062	PRAJKTA VIJAY ASABE	63	9	8	10	9	8	10	9	10	9	90	10	8	80	20	19	95	10	8	80	20	19	95
171CS1 1065	SHRADDHA RAVINDRA PADWAL	51	7	7	8	8	6	7	8	10	7	70	10	7	70	20	16	80	10	6	60	20	15	75
171CS1 1067	RAJSHREE PANDURANG GAIKWAD	59	10	9	8	9	8	8	7	10	10	100	10	9	90	20	17	85	10	8	80	20	15	75
171CS1 1073	SHIVANI NAGNATH SWAMI	59	9	8	8	8	9	8	9	10	9	90	10	8	80	20	16	80	10	9	90	20	17	85
171CS1 1076	SNEHAL RAGHUNATH PISE	58	9	8	9	8	8	8	8	10	9	90	10	8	80	20	17	85	10	8	80	20	16	80
171CS1 1078	SANJAY BHIMRAO HONMANE	53	8	8	7	8	7	8	7	10	8	80	10	8	80	20	15	75	10	7	70	20	15	75
171CS1 1084	PRUTHVIRAJ TUKARAM PATIL	48	7	7	7	7	6	7	7	10	7	70	10	7	70	20	14	70	10	6	60	20	14	70
171CS1 1090	ANKITA PRADIP BHOITE	60	9	7	9	7	8	10	10	10	9	90	10	7	70	20	16	80	10	8	80	20	20	100
171CS1 1093	SHIVANI SUHAS SHENDE	65	9	10	9	8	10	9	10	10	9	90	10	10	100	20	17	85	10	10	100	20	19	95
171CS1 1094	BALASAHEB SAWANT RAVIRAJ	58	9	8	8	7	8	9	9	10	9	90	10	8	80	20	15	75	10	8	80	20	18	90
171CS1 1101	SANDESH SUDHAKAR NARKAR	62	9	10	9	9	8	8	9	10	9	90	10	10	100	20	18	90	10	8	80	20	17	85
171CS1 1102	SUJATA RAMESH BIRAJDAR	67	9	10	9	10	9	10	10	10	9	90	10	10	100	20	19	95	10	9	90	20	20	100
171CS1 1104	VIJAY TANAJI GHADAGE	49	7	7	7	7	7	7	7	10	7	70	10	7	70	20	14	70	10	7	70	20	14	70
171CS1 1106	ARBAJ FARUK SHAIKH	64	9	10	9	8	9	10	9	10	9	90	10	10	100	20	17	85	10	9	90	20	19	95
171CS1 1107	SAKSHI RAJENDRASINH MANDWALE	62	9	10	9	8	9	8	9	10	9	90	10	10	100	20	17	85	10	9	90	20	17	85
171CS1 1114	GUPTA RAJAT	67	10	9	10	9	10	9	10	10	10	100	10	9	90	20	19	95	10	10	100	20	19	95
181CS1 2001	SNEHA NAGESH PANDIT	67	10	9	10	9	10	9	10	10	10	100	10	9	90	20	19	95	10	10	100	20	19	95
181CS1 2002	KAVITA KANTILAL PARDESHI	66	10	9	10	9	10	9	9	10	10	100	10	9	90	20	19	95	10	10	100	20	18	90
181CS1 2003	ANU VINOD JARE	65	10	9	9	9	9	9	10	10	10	100	10	9	90	20	18	90	10	9	90	20	19	95
181CS1 2004	VAISHNAVI RAMEHWAR BHOGAWAKAR	66	10	9	10	9	10	9	9	10	10	100	10	9	90	20	19	95	10	10	100	20	18	90
181CS1 2005	SUMAYYA DASTGIR MANERI	65	10	9	9	8	10	9	10	10	10	100	10	9	90	20	17	85	10	10	100	20	19	95
181CS1 2006	KOMAL SUDHIR KADLASKAR	63	9	10	9	10	9	8	8	10	9	90	10	10	100	20	19	95	10	9	90	20	16	80
181CS1 2007	SNEHAL BALASAHEB PATIL	64	10	9	9	9	10	9	8	10	10	100	10	9	90	20	18	90	10	10	100	20	17	85
181CS1 2008	SWAPNALI GANESH PATIL	64	10	9	9	9	10	9	8	10	10	100	10	9	90	20	18	90	10	10	100	20	17	85

181CS1 2009	DIPALI SUDAM JADHAV	64	9	10	9	10	9	8	9	10	9	90	10	10	100	20	19	95	10	9	90	20	17	85
181CS1 2010	PRAVIN VIJAYKUMAR SHEDBALE	57	9	8	6	7	8	9	10	10	9	90	10	8	80	20	13	65	10	8	80	20	19	95
181CS1 2011	PALLAVI RAJESH PANGUDWALE	58	9	8	7	7	8	9	10	10	9	90	10	8	80	20	14	70	10	8	80	20	19	95
181CS1 2012	HARSHDA SUNIL BHANDARE	57	9	8	8	8	7	8	9	10	9	90	10	8	80	20	16	80	10	7	70	20	17	85
181CS1 2013	MAMTA MOHANLAL JANGID	64	9	8	9	10	9	9	10	10	9	90	10	8	80	20	19	95	10	9	90	20	19	95
181CS1 2014	PRANOTI CHANDRAKANT SARVAGOD	65	10	9	8	10	9	10	9	10	10	100	10	9	90	20	18	90	10	9	90	20	19	95
181CS1 2015	SANDESH PANDIT KOLI	58	9	8	7	7	8	9	10	10	9	90	10	8	80	20	14	70	10	8	80	20	19	95
181CS1 2016	PUNAM SATISH SUTAR	61	8	7	9	8	9	10	10	10	8	80	10	7	70	20	17	85	10	9	90	20	20	100
181CS1 2017	SUNIL SHIVASHARAN SWATI	65	9	8	9	10	10	9	10	10	9	90	10	8	80	20	19	95	10	10	100	20	19	95
181CS1 2018	POOJA SUNIL SARAVADE	63	9	10	10	9	8	9	8	10	9	90	10	10	100	20	19	95	10	8	80	20	17	85
181CS1 2020	HRITIVKH SANTOSH NAMADE	64	9	8	10	8	9	10	10	10	9	90	10	8	80	20	18	90	10	9	90	20	20	100
181CS1 2021	VAISHNAVIDEVI VILAS TODKARI	63	9	8	10	9	10	9	8	10	9	90	10	8	80	20	19	95	10	10	100	20	17	85
181CS1 2022	PRIYANKA SANTOSH GAWALI	66	10	9	10	9	10	9	9	10	10	100	10	9	90	20	19	95	10	10	100	20	18	90
181CS1 2023	SUSHANT GANESH KUMBHAR	65	9	8	9	10	9	10	10	10	9	90	10	8	80	20	19	95	10	9	90	20	20	100
181CS1 2024	DIPALI POPAT LIGADE	62	9	8	9	10	9	8	9	10	9	90	10	8	80	20	19	95	10	9	90	20	17	85
181CS1 2025	SHRAVANI SADASHIV GAIKWAD	63	9	8	9	10	10	9	8	10	9	90	10	8	80	20	19	95	10	10	100	20	17	85
181CS1 2027	SNEHAL RAMESHWAR SWAMI	66	10	9	8	10	9	10	10	10	10	100	10	9	90	20	18	90	10	9	90	20	20	100
181CS1 2028	POOJA UTTAM BELDAR	61	9	8	9	8	8	9	10	10	9	90	10	8	80	20	17	85	10	8	80	20	19	95
181CS1 2030	AISHWARYA PRADEEP MULADE	67	10	9	10	9	10	9	10	10	10	100	10	9	90	20	19	95	10	10	100	20	19	95

Number of Students: 63

Tool CO Attainment

Target Level(%): 70

Linked CO	CS313- 18.1	CS31 3-18.2	CS31 3-18.3	CS31 3-18.5	CS31 3-18.6
No. of Students achieving Target Level	61	61	61	59	61
No. of Applicable Students	63	63	63	63	63
% Students achieving Target Level	96.83	96.83	96.83	93.65	96.83
Attainment Level	3	3	3	3	3

DIRECT PO ATTAINMENT
DEPARTMENT: COMPUTER SCIENCE AND ENGINEERING
CLASS: THIRD YEAR
ACADEMIC YEAR: 2019-20
PROGRAM: UNDER GRADUATE IN COMPUTER SCIENCE AND ENGINEERING
DIVISION:B

Direct PO/PSO Attainment for AY - 2019-20

Sr. No.	Course	Course Code	Internal Attainment	External Attainment	Total Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	Operating System Concepts	CS311-18	2.87	3.00	2.97	2.97	2.48	2.48	NA	NA	NA	NA	NA	NA	NA	NA	1.98	2.97	NA	1.98
2	System Programming	CS312-18	2.89	3.00	2.98	0.99	2.98	2.98	2.98	NA	NA	NA	NA	NA	NA	NA	0.99	2.98	NA	0.99
3	Database Engineering	CS313-18	2.97	3.00	2.99	2.99	2.99	2.99	2.66	1.33	1.00	1.00	NA	1.00	NA	1.00	NA	1.99	2.99	2.99
4	Design And Analysis Of Algorithms	CS314-18	3.00	0.00	2.40	1.60	1.60	1.60	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.80	0.80	0.80
5	Computer Organization	CS315-18	2.86	3.00	2.97	2.97	0.99	0.99	1.58	NA	NA	NA	NA	NA	NA	NA	NA	1.39	NA	NA
6	Java Programming	CS316-18	2.58	3.00	2.92	1.95	1.95	2.92	1.95	2.92	NA	NA	NA	0.97	0.97	0.97	1.95	NA	1.95	2.92
7	Self Learning Module 1	SLH31-18	NA	3.00	3.00	1.00	NA	1.00	NA	NA	3.00	3.00	1.00	2.00	3.00	NA	1.00	NA	NA	1.00
Direct Attainment						2.07	2.17	2.14	2.29	2.13	2.00	2.00	1.00	1.32	1.99	0.99	1.48	2.03	1.91	1.78

Direct Course Outcome Attainment Tools

- 1. Assignment**
- 2. Lab Journal**
- 3. In Semester Exam**
- 4. Class Test**
- 5. Open Book Test**
- 6. Take Home Test**
- 7. Lab Test**
- 8. Seminar/ Project work**

Assignment

Assignment

INDEX

(Assignment / Tutorial Book Assessment)

[illegible]

CERTIFICATE

This is certify that Mr. / Miss. / Mrs. Madhuri kishor Teke of
Class B.E..... Division Roll No 22.. Semester Ist has completed satisfactorily
Assignments/Tutorials in QSV..... during the academic year

Date :

Subject Teacher

Head of Dept.

HEAD.

Dept. of Civil. Engg.
C.O.E. Pandharpur

Principal

INDEX

(Assignment / Tutorial Book Assessment)

Sr. No.	Title of Assignment / Tutorial	Page No.	CO	Date of Assign./Tut.		Marks (25)			Total Marks (25)	Sign.
				Given	Checked	Timely Submission (10)	Presentation (10)	Oral (5)		
1.	Assignment no. 1 Introduction of QTY. Sur	2	1	15/7	19/7	9	9	4	22	[Signature]
2.	Assignment No. 2 Rate analysis & BOHE	6	1	21/7	21/7	9	9	3	21	[Signature]
3.	Assignment no. 3 Detail Estimation of build	9	2	31/8	30/8	9	9	4	22	[Signature]
4.	Assignment No. 4 Thumb rule & material	17	2	31/8 (1)		9	9	3	21	[Signature]
5.	Assignment No. 5 Tender & contract	20	3	19/9	13/9	10	9	4	23	[Signature]
6.	Assignment no. 6 Valuation	25	4	19/9	21/9	10	9	4	23	[Signature]
7.	Assignment No. 7 valuation of building	40	5	11/10	11/10	10	10	4	24	[Signature]
8.	Assignment No. 8 Depreciation of build.	40	6	11/10	11/10	10	10	4	24	[Signature]

CERTIFICATE

This is certify that Mr. / Miss. / Mrs. Garvade Jay Santosh of

Class BE..... Division Roll No. 37..... Semester I..... has completed satisfactorily

Assignments/Tutorials in Q.S.V..... during the academic year 2019-20

Date : [Signature]
Subject Teacher

[Signature]
Head of Dept.

[Signature]
Principal

Lab Journal

Journal

INDEX (Laboratory Book Assessment)

Sr. No.	Title of Experiment	Page No.	CO	Date of Expt.		Marks (25)				Total Marks (25)	Sign	
				Performed	Submitted	Attendance (5)	Performance (5)	Submission (5)	Presentation (5)			Oral (5)
1.	Workability of concrete	1	2	29/1	9/2	5	5	5	5	2	22	
2.	Compression strength of concrete	9	3	9/2	16/2	5	5	5	5	2	22	
3.	Flexural Strength of concrete	14	3	16/2	23/2	5	5	5	5	3	23	
4.	Split Tension Test	18	3	16/2	23/2	5	5	5	5	3	23	
5.	Design of concrete	22	3	3/2	16/3	5	5	5	5	4	24	
6.	Non-destructive test	31	5	6/3	23/3	5	5	5	5	4	24	
7.	Ultrasonic pulse velocity test	35	6	16/3	23/3	5	5	5	5	4	24	

CERTIFICATE

This is to certify that Mr./Miss./M/s. Anjali Ganpat kumbhkar of Class T. E Division Roll No. 10 Semester II has completed satisfactorily Experiments in Advanced Concrete Technology during the academic year 2018-19

Date: 15/4/19

Subject teacher

Head of Dept.

Principal

HEAD,
Dept. of Civil. Engg.

INDEX (Laboratory Book Assessment)

Sr. No.	Title of Experiment	Page No.	CO	Date of Expt.		Marks (25)					Total Marks (25)	Sign
				Performed	Submitted	Attendance (5)	Performance (5)	Submission (5)	Presentation (5)	Oral (5)		
1)	Collection and reading at drawing	1	1	8/6	14/7	5	4	4	5	3	21	[Signature]
2)	market survey	5	4	30/6	15/8	5	4	5	4	3	21	[Signature]
3)	specification at class engg work	10	1	14/7	20/8	5	5	5	4	4	22	[Signature]
4)	Detail estimate	+	2	5/8	5/9	5	4	5	4	4	22	[Signature]
5)	Rate analysis	16	2	3/9	8/9	5	4	5	4	4	22	[Signature]
6)	Bar Bending schedule	20	2	3/9	8/9	5	4	5	4	3	21	[Signature]
7)	valuation	-	6	7/9	4/10	5	4	5	5	3	21	[Signature]

CERTIFICATE

This is to certify that Mr./Miss./Mrs. Jadhav Ravikiran Pandurang of Class B.E. Division B Roll No. 51 Semester VII has completed satisfactorily Experiments in Quantity surveying and valuation during the academic year 2018-19

Date: 15/10/18

Subject teacher

[Signature]
HEAD,
Head of Dept. of CIVIL Engg.
C.O.E. Pandharpur

[Signature]
Principal

**In Semester Exam
Question Paper and
Answer Sheet**

SVERI'S College of Engineering, Pandharpur
S.Y.B.Tech (Mechanical) ISE-I Academic Year -2019-20
ICE

Div: - A&B

Day and Date: Tuesday & 13/08/2019
Time-10:00am to 11:30am

Marks - 20
Duration-1 Hr

CO	CO STATEMENT	BLOOMS LEVEL	MAX. MARKS
ME215.1	Distinguish between the different types of engine constructions and their thermodynamic principles.	02	10
ME215.2	Differentiate the working principles and constructional details of various fuel systems used in different types of I. C. Engines.	03	10

Instructions - I) All questions are compulsory.
 II) Assume suitable data if required.

Q. 1	MCQ'S/objectives type questions.	Marks 1x2=02	Related CO & Blooms Level	PI
1.	Dual Cycle is a combination of a) Otto cycle and Diesel cycle b) Otto cycle and Stirling cycle c) Brayton cycle and steam cycle d) None of the mentioned	01	ME215.1 BL-2	1.4.1
2.	Venturi throat in the carburetor results in a) decrease of air velocity b) increase of air velocity c) decrease of fuel flow d) increase of manifold	01	ME215.1 BL-2	1.3.1
Q. 2	MCQ'S/objectives type questions.	1x2=02		
1.	The choke is closed when engine is a) accelerating b) hot c) cold d) idling	01	ME215.2 BL-3	1.3.1
2.	A simple carburetor supplies lean mixture during a) starting b) idling c) cruising d) accelerating	01	ME215.2 BL-3	1.4.1
Q.3	Attempt the following Questions.(Any two)	4x2=08		
1.	What is an I.C. engine? How these engines are classified?	04	ME215.1 BL-2	1.4.1
2.	Discuss the following losses which occur in an actual engine 1) Pumping losses 2) friction losses 3) Exhaust losses 4) Time losses	04	ME215.1 BL-2	1.3.1
3	Explain Otto and Diesel cycle.	04	ME215.1 BL-2	1.3.1
Q.4	Attempt the following Questions.(Any two)	4x2=08		
1.	What are the limitations of simple carburetor? List the compensating devices used in carburetor and explain any one type with a neat sketch.	04	ME215.2 BL-3	1.4.1
2.	Write short note on Electronic petrol injection system.	04	ME215.2 BL-3	1.4.1
3.	The venturi of a simple carburetor has a throat diameter of 20 mm and its Cd is 0.8. The fuel orifice has a diameter is 1.14 mm and Cdf is 0.65. The gasoline surface is 5 mm below the throat and pressure drop of 0.08 bar, Find 1) Air fuel ratio when nozzle tip is neglected. 2) Air fuel ratio when nozzle tip is taken into account. Take $\rho_a = 1.2 \text{ kg/m}^3$, $\rho_f = 750 \text{ kg/m}^3$.	04	ME215.2 BL-3	1.4.1

.....All the Best.....



Shri Vithal Education & Research Institute's
COLLEGE OF ENGINEERING, PANDHARPUR

ISE / Unit Test No.: ISE - 1 Date.: 17-8-19

Name of Student.: Bansode Aniket Annasaheb

Class.: S.Y. B.Tech Division.: B

Roll No.: 10 Subject.: ICE

Sign of Supervisor.: [Signature] Marks.: 18/20

CO:	BL	PI Code	Q.No.	a	b	c	d	e	f	Total
1	2	1.4.1	1	1	1					2
2	3	1.3.1	2	1	1					2
1	2	1.4.1	3	1/2	1/2					6
2	3	1.3.1	4	1/2	1/2					8
			5							
			6							
			7							
			8							
Grand Total										18/20

Q 1.	
1) (a)	/
2) (b)	/
Q 2	
1) (c) cold	/
2) (d) (c)	/

1) I.C. Engine:

It is a device or a system which converts the heat energy in the electrical energy & electrical energy into the work.

The I.C. engine is classified as,

1) According to No. of stroke

- a) 4-stroke
- b) 2-stroke

2) According to fuel used

- a) Petrol engine
- b) diesel engine.

3) According to the cooling system

- a) Air cooling system
- b) water cooling system.

4) According to cycle

- a) Otto cycle
- b) Diesel cycle.

5) According to type of arrangement.

- a) V-type
- b) Radial type.

6) Application

- a) Automotive
- b) stationary

7) According to engine design

- a) Rotary
- b) Reciprocating

⑧ According to mixture system

- (a) carburetor
- (b) Fuel injector.

⑨ According to ignition

- (a) magnetic ignition
- (b) Battery ignition

2)

1) Pumping loss:

In the actual cycle the pumping of the fuel takes place at the suction stroke. The pumping of fuel in the air standard cycle takes place before the suction stroke. i.e. when piston is still to reach the TDC & it completes after the BDC by 10° .

Therefore due to the air standard cycle the difference in the actual cycle & air cycle takes place & the pumping loss takes place.

Therefore during the pumping loss the angle or deviation takes place is $10^\circ + 45^\circ + 180^\circ = 235^\circ$.

2) Friction losses:

In the actual cycle due to the high percentage of the piston moving from TDC to BDC. The friction loss takes place. In the air standard cycle the position or the piston arrangement is different than the actual cycle. So due to this the friction loss is taken place in the actual cycle.

3) Exhaust losses:

In the air standard cycle the exhaust stroke takes place before the BDC & it is completed after some degree of TDC. So in the air standard cycle the exhaust loss takes place & in the actual cycle the exhaust stroke takes place at the BDC & it will complete on the TDC. So the distance or angle covered by the exhaust stroke in the air standard cycle is $10^\circ + 45^\circ + 180^\circ = 235^\circ$.

4) Time loss:

2) Electronic petrol injection system.

The electronic gasoline injection system consists the electronic sensor, computer & solenoid injected inject the right amount of the fuel to the engine. This is called as the electronic injection system, & it uses electrical & electronic devices to regulate & control the electronic operation.

The electronic control unit (ECU) transfer the electric ^{energy} charge in the form of volts & charge. The Electronic control unit regulate & control all the electrical operation in the injection system.

The sensor used the electronic petrol injection system are.

① Engine temperature sensor:

It sense the temperature of the engine.

② Air flow sensor:

It sense the mass or the volume of the air.

③ Air inlet temperature sensor:

It sense the the temperature of air at inlet.

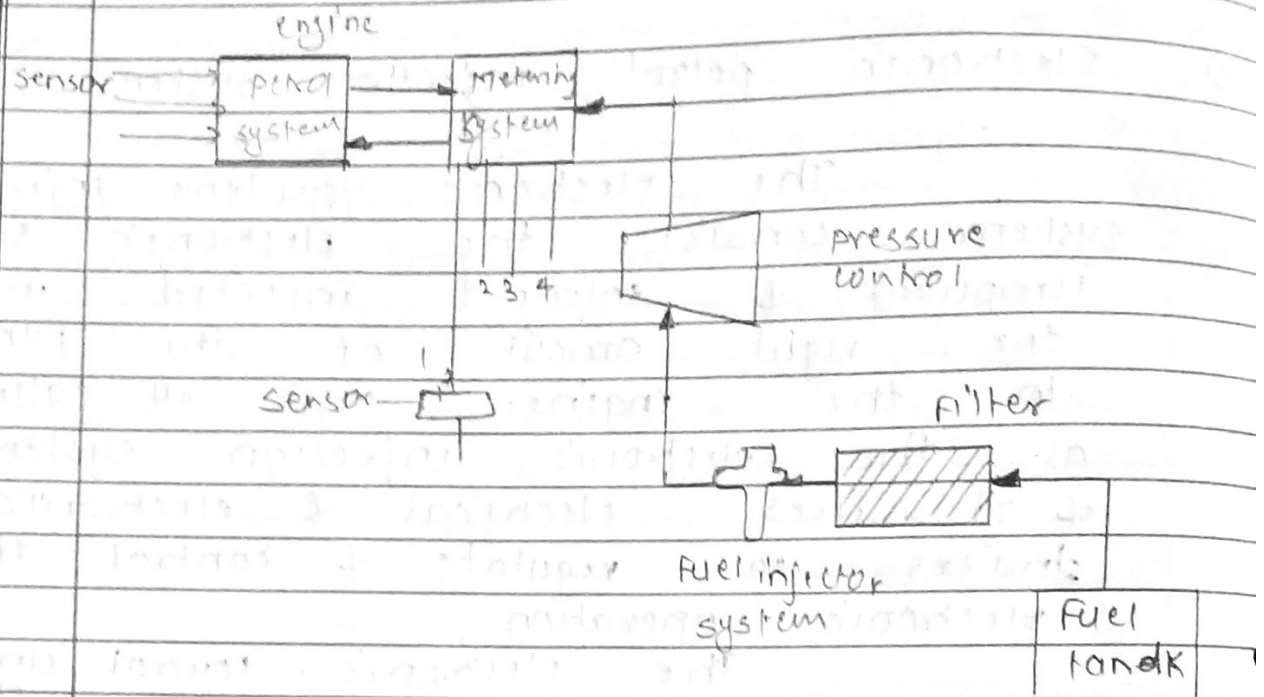
④ Throttle pressure sensor:

It sense the pressure of the air or fuel at throat.

⑤ manifold volume sensor: It sense the the volume of fuel at manifold.

⑥ Exhaust gas sensor:

It sense the pressure or mass of the gas at exhaust.



The metering regulator meters the amount of

Advantages of the Electronic petrol injection system:

- 1) Improvement in the volumetric efficiency
- 2) Starting & acceleration is better than simple carburation engine.
- 3) No exhaust pollution
- 4) The air fuel ratio is same at various stages i.e. turning, moving.

Disadvantages:

- 1) High maintenance cost.
- 2) Difficult in servicing.

3).

Given

$$d_2 = 20 \text{ mm} = 0.02 \text{ m}$$

$$c_d = 0.8$$

$$d_f = 1.184 \text{ mm} = 0.001184 \text{ m}$$

$$c_{df} = 0.65$$

$$z = 5 \text{ mm} = 5 \times 10^{-3} \text{ m}$$

$$\Delta p_a = 0.08 \text{ bar} = 0.08 \times 10^3 \text{ N/m}^2$$

case (i).

When nozzle tip is neglected.
 $z = 0$.

$$\frac{m_a}{m_f} = \frac{c_d}{c_{df}} \times \frac{A_a}{A_f} \times \sqrt{\frac{S_a}{S_f}}$$

$$= \frac{0.8}{0.65} \times \frac{\pi/4 (0.02)^2}{\pi/4 (0.001184)^2} \times \sqrt{\frac{1.2}{750}}$$

$$\boxed{\frac{m_a}{m_f} = 15.15}$$

(ii)

when nozzle tip is considered
 $z = 5 \times 10^{-3}$

$$\frac{m_a}{m_f} = \frac{c_d}{c_{df}} \times \frac{A_a}{A_f} \times \sqrt{\frac{S_a}{S_f}} \times \sqrt{\frac{\Delta p_a}{\Delta p_a - \rho_f g z}}$$

$$\frac{m_a}{m_f} = \frac{0.8}{0.65} \times \frac{\pi/4 (0.02)^2}{\pi/4 (0.001184)^2} \times \sqrt{\frac{1.2}{750}} \times \sqrt{\frac{0.08}{0.08 - 5 \times 10^{-3} \times 9.81}}$$

$$\boxed{\frac{m_a}{m_f} = 15.18}$$

Class Test / Unit Test
Question Paper and Answer Sheet

SVERI'S College of Engineering, Pandharpur
S.Y.B.Tech (Mechanical) UT-II Academic Year -2019-20
ICE

Div: - A&B

Day and Date: Wednesday & 11/09/2019

Marks - 20

Duration-1 Hr

CO	CO STATEMENT	BLOOMS LEVEL	MAX. MARKS
ME215.2	Differentiate the working principles and constructional details of various fuel systems used in different types of I. C. Engines.	BL 3	10
ME215.3	Explain the methods adopted for their performance improvement.	BL 3	10

Instructions - I) All questions are compulsory.
 II) Assume suitable data if required.

Q. 1	MCQ'S/objectives type questions	Marks 2x1=02	Related CO & Blooms Level	PI
1.	Fuel injector is used in a) S I engines c) C I engines b) gas engines d) none of above	01	ME215.2 BL-3	1.4.1
2.	Multi point fuel injection system a) manifold injection b) port injection c) throttle body injection d) both b) and c)	01	ME215.2 BL-3	1.3.1
Q.2	MCQ'S/objectives type questions	2x1=02		
1.	Following are the types of supercharger. A.Root B.Centrifugal C.Vane D. All the above	01	ME215.3 BL-3	1.4.1
2.	Supercharging is the Process of A. Providing the forced cooling air B. Raising exhaust pressure C. Increasing the density. D. None of the above.	01	ME215.3 BL-3	1.3.1
Q. 3	Attempt the following Questions.	4x2=08		
1.	State types of fuel injection system explain any one.	04	ME215.2 BL-3	1.3.1
2.	Explain any one type of governor.	04	ME215.2 BL-3	1.4.1
Q.4	Attempt the following Questions.	4x2=08		
1.	Explain purpose of supercharging.	04	ME215.3 BL-3	1.4.1
2.	Explain the concept of Turbocharging.	04	ME215.3 BL-3	1.3.1

.....All the Best.....



Shri Vithal Education & Research Institute's
COLLEGE OF ENGINEERING, PANDHARPUR

ISE / Unit Test No.: CT-2 Date.: 06-09-19

Name of Student.: Samruddhi Deshpande

Class.: SYB Tech (Mech) Division.: B

Roll No.: SB-01 Subject.: IC Engine

Sign of Supervisor.: [Signature] Marks.: 18/20

CO:	BL	PI Code	Q.No.	a	b	c	d	e	f	Total
2	3	1.4.1	1	1	1					2
3	3	1.3.1	2	1	1					2
2	3	1.4.1	3	4	4					8
3	3	1.3.1	4	4	2					6
			5							
			6							
			7							
			8							
Grand Total										18/20

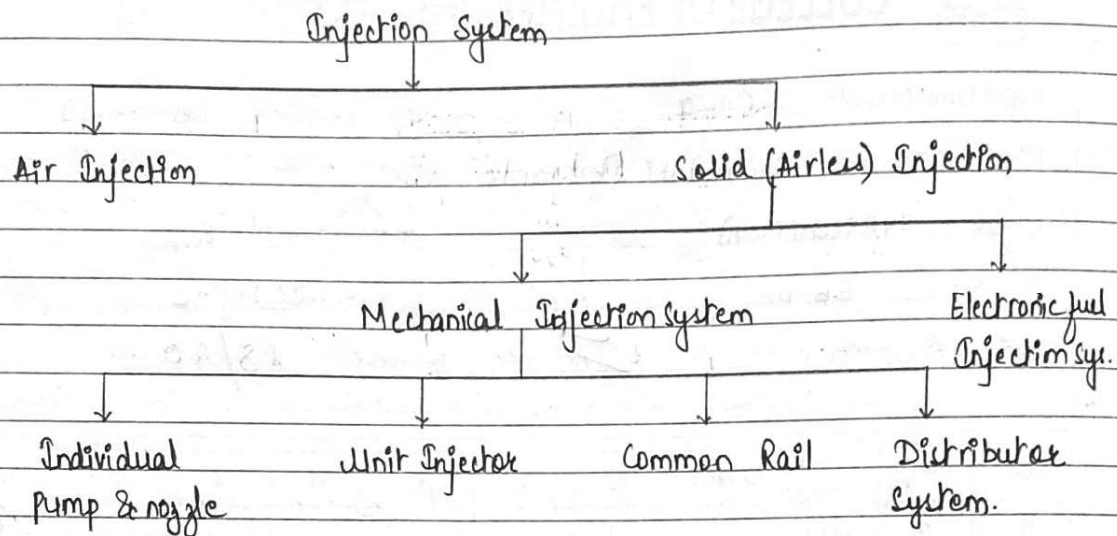
Q.1]

1. b]

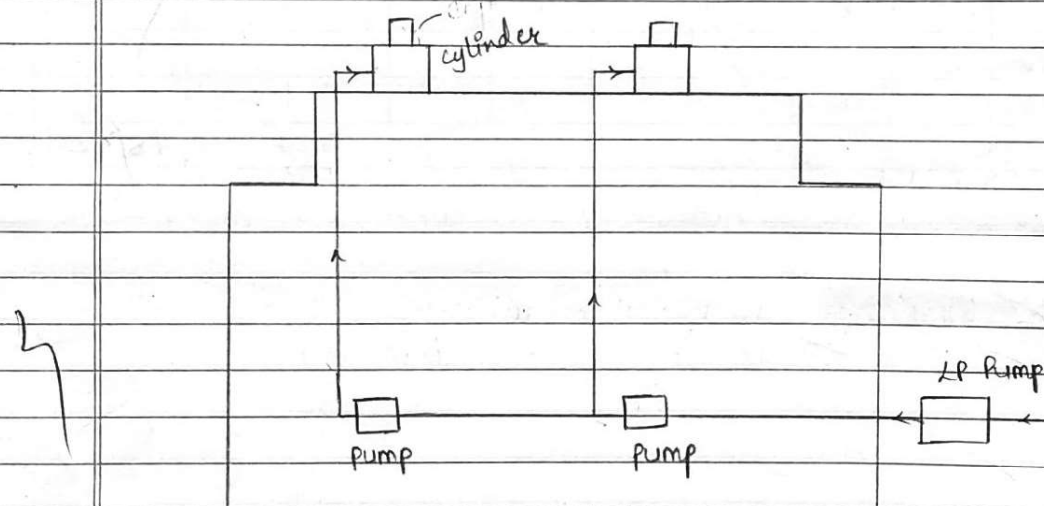
2. b]

Q.2] 1. d]

2. c]



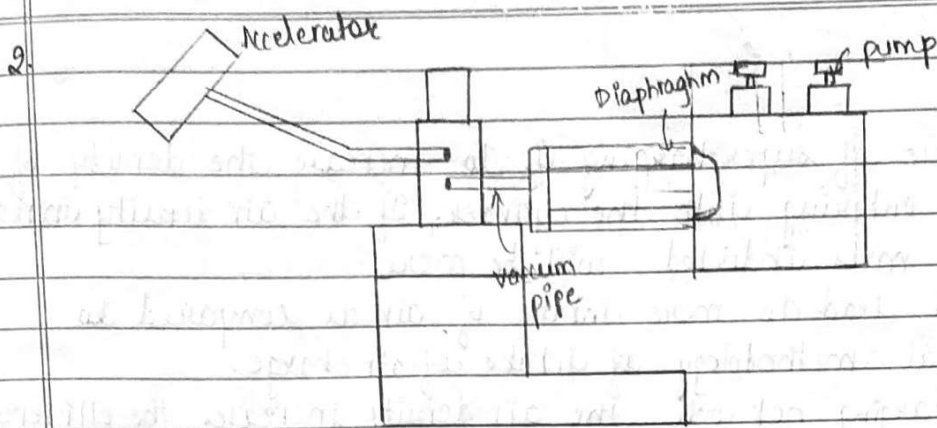
Individual Pump and Nozzle system.



In this individual pump and nozzle system there is separate pump and injector provided for the each cylinder.

Also a low pressure pump is attached to each of the pump and injectors which are in turn attached with their separate cylinder arrangement.

The plunger present in the arrangement activates the cam and shaft and therefore fuel is injected into the system.



pneumatic governor is one of the types of governor which used to maintain the speed constant. In this type of governor it is used as one of the fuel injection system.

It contains two types of units

1] Venturi intake manifold unit

In this unit the venturi's principle is utilized to undergo the process of injecting the fuel.

In this system the injection of fuel takes place through the Venturi unit.

2] Diaphragm unit

In this unit the entry and exit of the ^{fuel} air depends on the amount of vacuum created.

This means the ~~the~~ amount of ^{fuel} air which is to be utilized for the injection depends on the diaphragm unit.

If the diaphragm contracts and relaxes the vacuum created in the diaphragm will be increased or decreased.

Construction

The working of this governor depends on the load of the applied.

If the load applied is increased then the speed of the governor will ~~increase~~ decrease.

If the load applied is decreased then the speed of the governor will increase.

Q4]

1. The purpose of supercharging is to increase the density of air charge entering into the cylinder. If the air density increases then the mass induced will be more.

This will lead to more intake of air as compared to the normal methodology of intake of air charge.

By supercharging not only the air density increases the efficiency and speed of the engine also increases.

1. Due to supercharging there will be high power out.

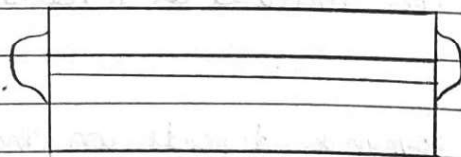
2. Also there will be resulting the detonation.

3. Also due to this there will be increase in the temperature and pressure.

Q4]

→ Turbocharging is the process in which the gas turbines are used for the utilization of the gases.

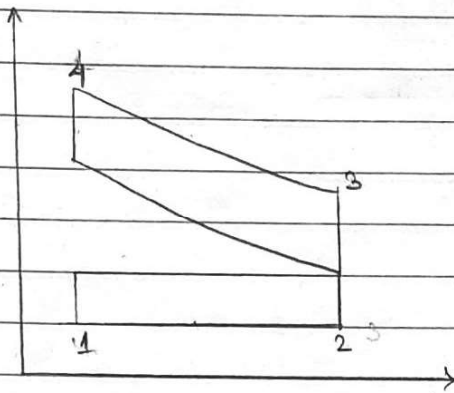
→ In this method specially exhaust gases are utilized which are on the other hand go as a waste product.



Turbocharger

→ An IC petrol engine usually harness 30% of the heat energy and the remaining 70% of the gases go out as exhaust gases.

→ Around 7% of heat energy is used as friction, pumping and loss
9% of heat energy is utilized as surrounding air
16% of heat energy is utilized as the gases
38% of heat energy is utilized as the exhaust gases



SVERI's COLLEGE OF ENGINEERING, PANDHARPUR
MECHANICAL ENGINEERING DEPARTMENT

ACADEMIC YEAR: 2019-20
CLASS: S.Y.B.Tech B

SEM- II

UT-II: MARK LIST
SUBJECT: ICE

Roll. No.	Marks (20)	Roll. No.	Marks (20)
01	18	28	14
02	16	29	12
03	16	30	11
04	15	31	10
05	15	32	11
06	16	33	16
07	19	34	0
08	13	35	11
09	6	36	11
10	16	37	15
11	10	38	8
12	10	39	12
13	16	40	11
14	20	41	20
15	12	42	16
16	18	43	19
17	7	44	8
18	12	45	11
19	10	46	15
20	14	47	17
21	19	48	15
22	14	49	12
23	15	50	20
24	9	51	9
25	12	52	12
26	12	53	9
27	13		

✓
(Prof. S. S. Jadhav)
Subject Teacher

SAS
(Dr. S. A. Sonawane)
Head of Dept.

Open Book Test
Question Paper and Answer Sheet



Shri Vithal Education & Research Institute's
College of Engineering, Pandharpur

Open Book Test (OBT)

- 1. Question Paper**
- 2. Answer sheet**
- 3. Result**



Shri Vithal Education & Research Institute's
College of Engineering, Pandharpur

Open Book Test (OBT)

Question Paper

SVERI'S College of Engineering, Pandharpur**T.E. (Mechanical) Academic Year -2019-20****S.E. Mechanical****Sem-I Div. A& B****Sub: Internal Combustion Engine
OBT -I****Date: 18/08/19**

CO	CO STATEMENT	BLOOMS LEVEL	MAX. MARKS
ME322.1	Distinguish between the different types of engine constructions and their thermodynamic principles.	2	10
ME322.2	Differentiate the working principles and constructional details of various fuel systems used in different types of I. C. Engines.	3	10

**Instructions - I) All questions are compulsory.
II) Assume suitable data if required.**

Q.1	Questions	Marks	Related CO & Blooms Level	PI
A	Compare Otto cycle and Diesel cycle for I) same compression ratio and same heat input. II) same maximum pressure and same heat input.	05	01 BL2	1.3.1
B	Explain the following terms I) Mean effective pressure II) Volume efficiency III) Compression ratio	05	01 BL2	1.4.1
Q.2	Questions	10		
A	Explain why simple carburetor cannot meet the various engine requirements.	05	02 BL3	1.4.1
B	What do you understand by altitude compensation? Explain briefly.	05	02 BL3	1.4.1



Shri Vithal Education & Research Institute's
College of Engineering, Pandharpur

Open Book Test (OBT)

Answer sheet



Shri Vithal Education & Research Institute's
COLLEGE OF ENGINEERING, PANDHARPUR

ISE / Unit Test No.: 087-1

Date.: 18-08-19

Name of Student.: Samruddhi Deshpande

Class.: SY BTech (Mech)

Division.: B

Roll No.: SB-01

Subject.: IC Engine

Sign of Supervisor.: [Signature]

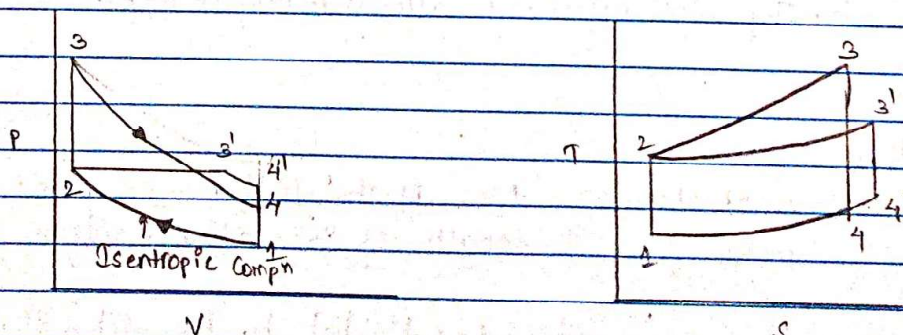
Marks.: 20/20

CO:	BL	PI Code	Q.No.	a	b	c	d	e	f	Total
1	2	141	1	5	5					10
2	3	131	2	5	5					10
			3							
			4							
			5							
			6							
			7							
			8							
Grand Total										20/20

Q1]

i) same compression ratio and same heat input

fig shows the two cycles on p-v and T-s diagrams. All the cycles, start from the same initial state 1 and the air is reversible adiabatically (isentropically) compressed to same states, as the compression ratio is same

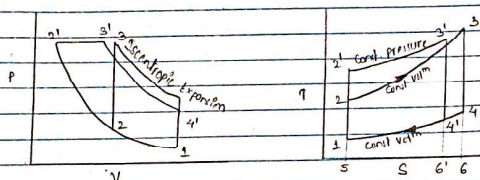


It is seen that adding the heat at constant volume results in the highest maximum temperatures and pressures. Adding the same quantity of heat at constant pressure results in the lowest maximum temperatures and pressures while the values for the dual cycle lies between the two cycles.

For the same compression ratio and same heat input, minimum heat is rejected in the Otto cycle and the maximum heat is rejected in the diesel cycle. The Otto cycle has the largest work area and highest efficiency. The diesel cycle has the least efficiency.

This shows that the heat addition to the working fluid when piston is in the position permitting the maximum possible expansion. The Otto cycle allows the most complete expansion because all heat is added before the start of expansion process. The diesel cycle is least efficient in this because the last portion of the heat supplied to fluid has a relatively short expansion before heat rejection.

ii) Same max. pressure and same heat input



For same maximum pressure and same heat input the Otto and diesel cycle are shown on P-v and T-s diagram. From the figure heat rejection for Otto cycle is more than the heat rejected in diesel cycle.

Hence diesel cycle is more efficient than Otto cycle for the condition of same maximum pressure and same heat input. Diesel cycle has higher compression ratio V_1/V_2 than that of Otto cycle.

Cycle having high efficiency allows maximum expansion.

6

i) Mean effective pressure

$$P_{me} = \frac{\text{Net work of cycle}}{V_1 - V_2} = \frac{\text{Area of the indicator diagram}}{\text{Length of the indicator diagram}}$$

The value of the area measured when divided by the piston displacement results in the mean ordinate, or indicated mean effective pressure P_{me} .

ii) Volumetric Efficiency-

The engine output is limited by the maximum amount of air that can be taken in during the suction stroke, because only a certain amount of fuel can be burned effectively with a given quantity of air.

It is an indication of the breathing ability of the engine and is defined as the ratio of the air actually induced at ambient conditions to the swept volume of the engine.

$$\eta_v = \frac{\text{Charge aspirated per stroke reduced to intake conditions}}{\text{swept volume}}$$

$$= \frac{V}{V_s}$$

iii) Compression Ratio - It is the ratio of cylinder volume to the clearance volume.

$$r = \frac{V}{V_c}$$

$$= \frac{V_1 + V_c}{V_c}$$

$$r = 1 + \frac{V_1}{V_c}$$

9.1

1) During idling the throttle valve is almost closed resulting in very less air flow rate. The pressure difference between float chamber and venturi is also very low resulting in less fuel coming out of the nozzle jet.

This is corrected by using a separate idling system.

2) The simple carburetor is unable to provide a rich mixture during starting and warm up and this problem is taken care by using choke arrangement.

3) Theoretically the air-fuel ratio supplied by a simple carburetor should remain constant for all throttle opening. But in actual it provides increasingly richer mixture as the throttle opens more and more. This problem of mixture becoming more and more richer when the throttle valve is opened more is taken care by

using compensating devices in the carburetor.

B]

Conventionally the float type of carburetor meters the air and fuel by volume and not by weight which is the basis for calculating the air fuel ratio. The weight of 1 cubic meter of air decreases as altitude increases. Most automobile carburetors are calibrated at altitudes near sea level and similarly production carburetors are flow tested and adjusted in a controlled environment. When the atmospheric conditions are different from those at which the carburetor was calibrated, density of air changes.

If the vehicle is driven at an altitude lower than calibration altitude, a lean mixture is obtained which results in poor driveability. At altitude higher than the calibration altitude a rich mixture is supplied which cause increase in emissions.

The enrichment, E due to density variations closely follows the relationship

$$E+1 = \sqrt{\frac{P_0}{P}} = \sqrt{\frac{P_0 T}{P T_0}}$$

Most automobile carburetors are calibrated at altitudes near sea level and similarly production carburetors are flow tested and adjusted in a controlled environment.

Take Home Test
Question Paper and Answer Sheet



Shri Vithal Education & Research Institute's
College of Engineering, Pandharpur

Take Home Test (THT)

- 1. Question Paper**
- 2. Answer sheet**
- 3. Result**



Shri Vithal Education & Research Institute's
College of Engineering, Pandharpur

Take Home Test (THT)

Question Paper

SVERI'S College of Engineering, Pandharpur**S.E. (Mechanical) Academic Year -2019-20****S.E. Mechanical Sem-I Div. A&B Sub: Internal Combustion Engine
THT -I****Date: 17/08/19**

CO	CO STATEMENT	BLOOMS LEVEL	MAX. MARKS
ME322.1	Distinguish between the different types of engine constructions and their thermodynamic principles.	2	10
ME322.2	Differentiate the working principles and constructional details of various fuel systems used in different types of I. C. Engines.	3	10

**Instructions - I) All questions are compulsory.
II) Assume suitable data if required.**

Q.	Questions	Marks	Related CO & Blooms Level	PI
01	Investigate Why two stroke engines not used in commercial automotive application now a days?	10	01 BL2	1.3.1
02	Examine the essential features of a good commercial carburetor for automotive application with sketch.	10	02 BL3	1.2.1



**Shri Vithal Education & Research Institute's
College of Engineering, Pandharpur**

Take Home Test (THT)

Answer sheet



Shri Vithal Education & Research Institute's
COLLEGE OF ENGINEERING, PANDHARPUR

ISE / Unit Test No.: Take Home Test-1 Date.: _____

Name of Student.: Samruddhi Deshpande

Class.: SYBTech(Mech) Division.: B

Roll No.: 98-01 Subject.: IC Engine

Sign of Supervisor.: [Signature] Marks.: 19/20

CO:	BL	PI Code	Q.No.	a	b	c	d	e	f	Total
1	2	1.4.1	1	10						10
2	3	1.3.1	2	9						9
			3							
			4							
			5							
			6							
			7							
			8							
Grand Total										19/20

Ans 1.

The reason why 2 stroke engine are not used in commercial automotive application nowadays because they have become ancient.

→ Moreover the fuel consumption, pollution, durability, and thermal efficiency is less to be used in commercial automotive application nowadays.

→ A two stroke can be designed to eliminate them but at the risk of additional cost.

→ In a two stroke the transfer ports and exhaust ports are open at the same time. At some engine speeds, portions of the fuel mix go straight from the transfer ports out the exhaust without

being burned. This leads to high fuel consumption and the ejection of unburned hydrocarbons.

→ The other source of pollution comes from the total loss lubrication in which unburned two stroke oil passes directly out the exhaust ports.

→ Moreover the extremely lumpy idle and irritating noise when closing the throttle occurs. This is caused by uneven air and fuel supply caused by indirect injection and crankcase scavenging. The use of supercharger scavenging and direct injection eliminate these issues entirely.

→ Also the thermal efficiency is problematic with two stroke engines. The exhaust ports open before the piston reaches bottom dead centre. In many stroke the port opens as much as the $\frac{2}{3}$ way down the stroke.

At this point, the cylinder still has considerable pressure. This wastes energy and produces the familiar harsh exhaust note from the 2 strokes.

→ Two stroke oil is expensive. It would burn about a gallon of oil every 1000 miles if you used a two stroke engine in a car.

(10)

→ It also possess less volumetric efficiency.

The problems can be solved by using some solutions

1. A solution is to use the direct injection in which fuel is injected into the cylinder only after the ports close. This drastically reduces both the problems.

2. The total oil loss system with full crankcase lubrication as found in four stroke engines. To do this the crankcase can no longer be used for scavenging, therefore a supercharger needs to be used for supplying the air.

3. The production of noise maybe solved by using supercharger scavenging and direct injection.

4. An oil control ring needs to be added to the engine to stop oil

leaking out the exhaust ports while the piston is close to top dead centre.

5. The next and the much better solution is to insert the ring into a groove in the cylinder wall just below the exhaust port.

6. Also by using much longer stroke to bore ratio to allow fuller expansion before the exhaust port opens.

Ans:

A carburetor is a mechanical device that forms part of the auxiliary superstructure of an internal combustion engine.

The specific function of the carburetor provides fuel to the combustion chamber where an explosion occurs.

→ Technological advancements in automobile manufacturing and electronics led to the development of fuel injection.

→ Fuel injection is the primary alternative to the carburetor in cases today. The function of a fuel injector system is based on the same principle as the carburetor.

→ During the early design and production of Internal Combustion engines, Karl Benz was the first to introduce a commercial application of the carburetor.

Some of the advantages of Carburetor

→ It is simple in design

→ It is economical to manufacture

→ Easy to do servicing

→ Spares are affordable

→ Even a local mechanic can fix its problems.

→ In the United States, the evaporative emissions from the fuel tank and carburetor have been controlled by either a vapour recovery system

Solex Carburettor

The solex carburettor is famous for ease of starting, good performance and reliability. It is made in various models and is used in flat and standard cars.

→ The unique feature of this carburettor is the Bi-starter for cold starting. The various features of solex carburettor are described below.

i] Normal running

The solex carburettor has a conventional float in a float chamber. For normal running the fuel is provided by the main jet and the air by the choke tube or venturi. The

The fuel from the main jet passes into the well of the air bleed emulsion system. It is the emulsion tube which has lateral holes.

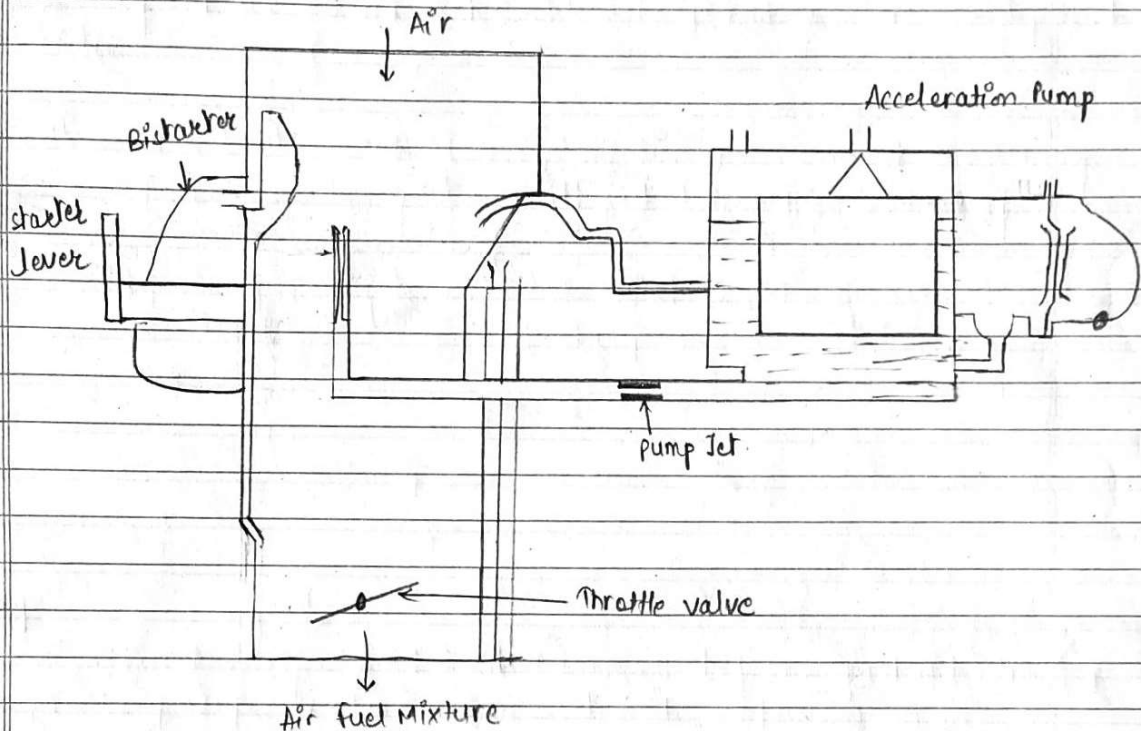
The correct balance of air and fuel is automatically ensured by air entering through and being calibrated by the air correction jet.

The metered emulsion of fuel and air is discharged through the spraying orifice or nozzles drilled horizontally in the vertical stand pipe in the middle of choke tube or venturi.

ii] Cold starting and warming

The unique feature of solex carburettor is the provision of a bi-starter or a progressive starter. The starter valve is in the form of a flat disc with holes of different sizes. These holes connect the starter petrol jet and starter jet sides to the passage which opens into a hole just below the throttle valve.

After the engine has started, the starter lever is brought to the intermediate position bringing the smaller hole in the starter valve into the circuit thus reducing the amount of petrol.



9

iii] Idling and slow running

From the lower part of the well of the emulsion system a hole leads off to the pilot jet. At idling the throttle is almost closed and hence engine suction is applied at the petrol jet. Fuel is drawn and mixed with a small amount of air admitted through the small pilot air bleed orifice and forms an emulsion which is conveyed down the vertical channel and discharged into the throttle body past the idling volume control screw.

iv] Acceleration

To avoid flat spot during acceleration a diaphragm type acceleration pump is provided. It delivers spurts of extra fuel needed for acceleration through pump injector. Pump lever is connected to the accelerator so that when the pedal is pressed, the lever moves towards left pressing the membrane towards left — thus forcing the petrol through pump jet and injector.



Shri Vithal Education & Research Institute's
College of Engineering, Pandharpur

Take Home Test (THT)

Result

SVERI's COLLEGE OF ENGINEERING, PANDHARPUR
MECHANICAL ENGINEERING DEPARTMENT

ACADEMIC YEAR: 2019-20

SEM- I

THT-I: MARK LIST

CLASS: SY BTech-B

SUBJECT: ICE

Roll. No.	Marks (20)	Roll. No.	Marks (20)	Roll. No.	Marks (20)
01	19	21	20	41	18
02	18	22	12	42	20
03	18	23	16	43	15
04	17	24	12	44	15
05	18	25	18	45	12
06	18	26	12	46	14
07	19	27	15	47	17
08	20	28	12	48	14
09	12	29	12	49	18
10	18	30	12	50	15
11	15	31	12	51	14
12	16	32	16	52	12
13	18	33	15	53	15
14	20	34	14		
15	12	35	12		
16	18	36	15		
17	14	37	16		
18	18	38	18		
19	16	39	14		
20	18	40	15		

Sr. No.	Particulars	Total No.
01	Strength of Class	53
02	No. of students Appeared for Examination	53
03	No. of students Absent for Examination	00
04	No. of students Failed in Examination	00
05	No. of students Passed in Examination	53
06	% Result of the Subject	100

Kant
(Prof. S. S. Jadhav)
Subject Teacher

SAS
(Dr. S. A. Sonawane)
Head, Mech. Engg. Dept.

Lab Test
Question Paper and Answer Sheet

SVER'S College of Engineering, Pandharpur
S.Y B-Tech (Mechanical) LT-I Academic Year -2019-20
Internal Combustion Engine

Div: - B

Day and Date: 9/11/2019

Marks - 20

Q. 1	Solve the following questions.	20 (M)
1.	A four cylinder, four stroke engine running at 40 rev/sec has a carburetor venturi with a 3 cm throat. Assuming the bore to be 10 cm, volumetric efficiency of 75%, density of air to be $1.15\text{m}^3/\text{kg}$, coefficient of air flow equals 0.75, calculate the suction pressure at the throat. Neglect the compressibility of air.	10
2.	Explain fuel system for CI engine and explain type of injection.	10

SVERI's COLLEGE OF ENGINEERING, PANDHARPUR
MECHANICAL ENGINEERING DEPARTMENT

ACADEMIC YEAR: 2019-20

SEM-I

LT-I: MARK LIST

CLASS: SY BTech-B

SUBJECT: ICE

Roll. No.	Marks (20)	Roll. No.	Marks (20)	Roll. No.	Marks (20)
01	20	21	18	41	18
02	18	22	17	42	18
03	17	23	18	43	17
04	17	24	18	44	17
05	18	25	17	45	18
06	19	26	18	46	18
07	19	27	19	47	17
08	18	28	15	48	17
09	16	29	18	49	18
10	17	30	18	50	18
11	20	31	18	51	17
12	15	32	15	52	17
13	16	33	18	53	19
14	17	34	18		
15	17	35	16		
16	17	36	17		
17	18	37	17		
18	16	38	18		
19	17	39	18		
20	19	40	15		

Sr. No.	Particulars	Total No.
01	Strength of Class	53
02	No. of students Appeared for Examination	53
03	No. of students Absent for Examination	00
04	No. of students Failed in Examination	00
05	No. of students Passed in Examination	53
06	% Result of the Subject	100

✓
(Prof. S. S. Jadhav)
Subject Teacher

SAS
(Dr. S. A. Sonawane)
Head, Mech. Engg. Dept.

HEAD,
Dept. of Mechanical Engg
S.V.E. Pandharpur.



Shri Vitthal Education & Research Institute's
COLLEGE OF ENGINEERING, PANDHARPUR

ISE / Unit Test No.: Lab Test No-01 Date.: 9/11/2019

Name of Student.: Samruddhi Deshpande

Class.: SVB Tech (Mech) Division.: B

Roll No.: SB-01 Subject.: IC Engine

Sign of Supervisor.: _____ Marks.: 20/20 Def

CO:	BL	PI Code	Q.No.	a	b	c	d	e	f	Total
			1	10						10
			2	10						10
			3							
			4							
			5							
			6							
			7							
			8							
Grand Total										<u>20/20</u>

Q1] A 4 cylinder 4 stroke square engine is running at 40 rps has a carburetor venturi with a 3cm throat assuming the bore to be 10cm, Volumetric efficiency is 75%. Density of air 1.15 kg/m³. Coefficient of air flow is 0.75. Calculate the suction pressure at the throat, Neglect compressibility of air.

Given

$$N = 40 \text{ rps.}$$

$$d_c = 3 \text{ cm} = 0.03 \text{ m}$$

$$L = D = 10 \text{ cm} = 0.1 \text{ m}$$

$$\eta_v = 75\% = 0.75$$

$$\rho_a = 1.15 \text{ kg/m}^3$$

$$C_d = 0.75$$

$$P_2 = \frac{9}{6}$$

Volumetric Efficiency η_v

$$\eta_v = \frac{\text{Actual volume } (V_a)}{\text{Swept volume } (V_s)}$$

$$V_a = \eta_v \times \text{swept volume}$$

$$\frac{V_a}{\text{sec}} = \eta_v \times \text{swept volume} \times \text{no. of power stroke } (n)$$

$$\eta = \frac{N}{2} \quad \text{for 4 stroke}$$

$$\eta = N \quad \text{for 2 stroke}$$

$$\dot{m}_a = \rho_a \times V_a$$

$$\text{swept vol}^m [V_s] = \frac{\pi}{4} \times D^2 \times L$$

$$= \frac{\pi}{4} \times D^2 \times L^2 \times \text{No. of cylinder}$$

$$V_s = \frac{\pi}{4} \times (0.1)^2 \times 0.1 \times 4$$

$$V_s = 3.14 \times 10^{-3} \text{ m}^3$$

$$\text{Actual vol}^m [V_a] = 0.75 \times 3.14 \times 10^{-3} \times 20$$

$$V_a = 0.0471 \text{ m}^3/\text{sec}$$

$$\dot{m}_a = \rho_a \times V_a$$

$$= 1.15 \times 0.0471$$

$$\dot{m}_a = 0.0541 \text{ kg/sec.}$$

$$m_a = C_d \times A_2 \sqrt{2 \times \rho_a \times \Delta P_a}$$

$$A_2 = \frac{\pi}{4} d^2$$

$$= \frac{\pi}{4} \times (0.003)^2$$

$$A_2 = 7.068 \times 10^{-4} \text{ m}^2$$

$$m_a = C_d A_2 \sqrt{2 \rho_a \Delta P_a}$$

$$(m_a)^2 = C_d^2 \times A_2^2 \times 2 \rho_a \cdot \Delta P_a$$

$$\Delta P_a = \frac{m_a^2}{C_d^2 \times A_2^2 \times 2 \rho_a}$$

$$\Delta P_a = \frac{(0.0541)^2}{(0.75)^2 \times (7.068 \times 10^{-4})^2 \times 2 \times 1.15}$$

$$\Delta P_a = 4528.465 \text{ N/m}^2$$

$$\Delta P_a = 0.04528 \text{ Bar}$$

$$\Delta P_a = P_1 - P_2$$

$$0.04527 = 1 - P_2$$

$$P_2 = 1 - 0.04527$$

$$P_2 = 0.9547 \text{ Bar}$$

Q7] Explain fuel system for CI Engine and explain type of injection

Requirements of CI engine fuel injection system.

1. To supply the correct quantity of fuel to be injected as per the speed and load of the engine

2. The amount of fuel injected per cycle should be measured accurately.
3. The injected fuel must be broken into very fine droplets.
4. Proper spray pattern so that proper mixing of air and fuel is taken place.
5. Uniform distribution of fuel droplets through out the combustion chamber.
6. The beginning and the end of the injection should be sharp.
7. Uniform supply of fuel all cylinders in the case of multicylinder engine.
8. The weight and size of the fuel injected system must be minimum.
9. Lower capital and maintenance cost.

Injection system

Air Injection

Solid (airless) injection

Mechanical Injection

Electronic fuel Injection

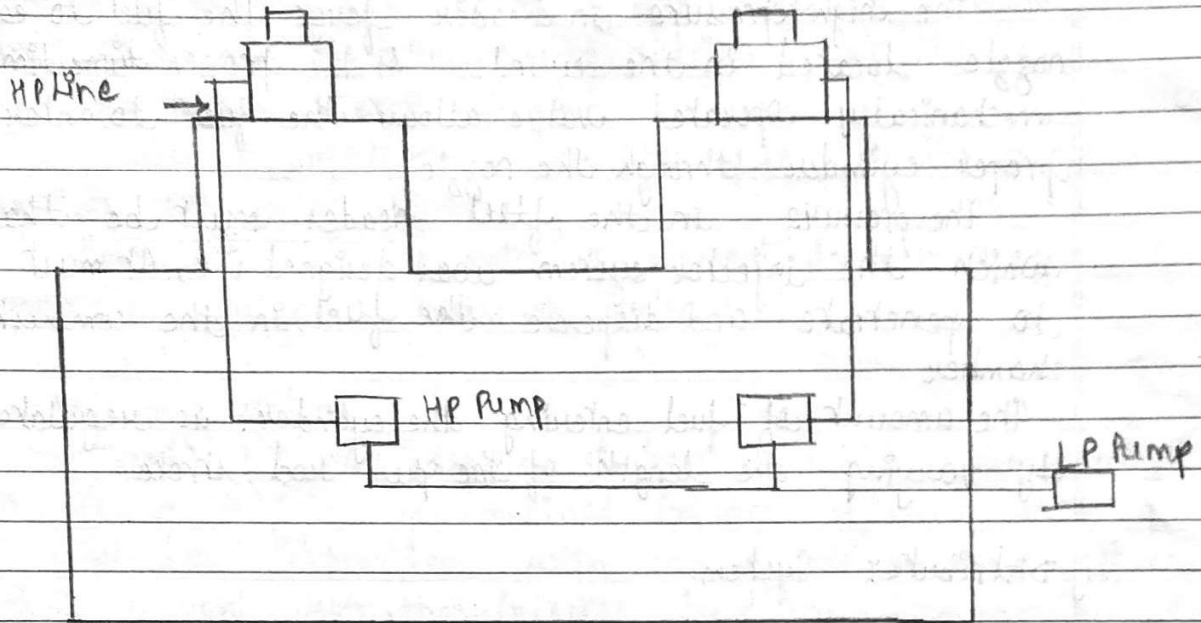
Individual
Pump Nozzle

Unit Injector

Common Rail
Injector

Distributor
System

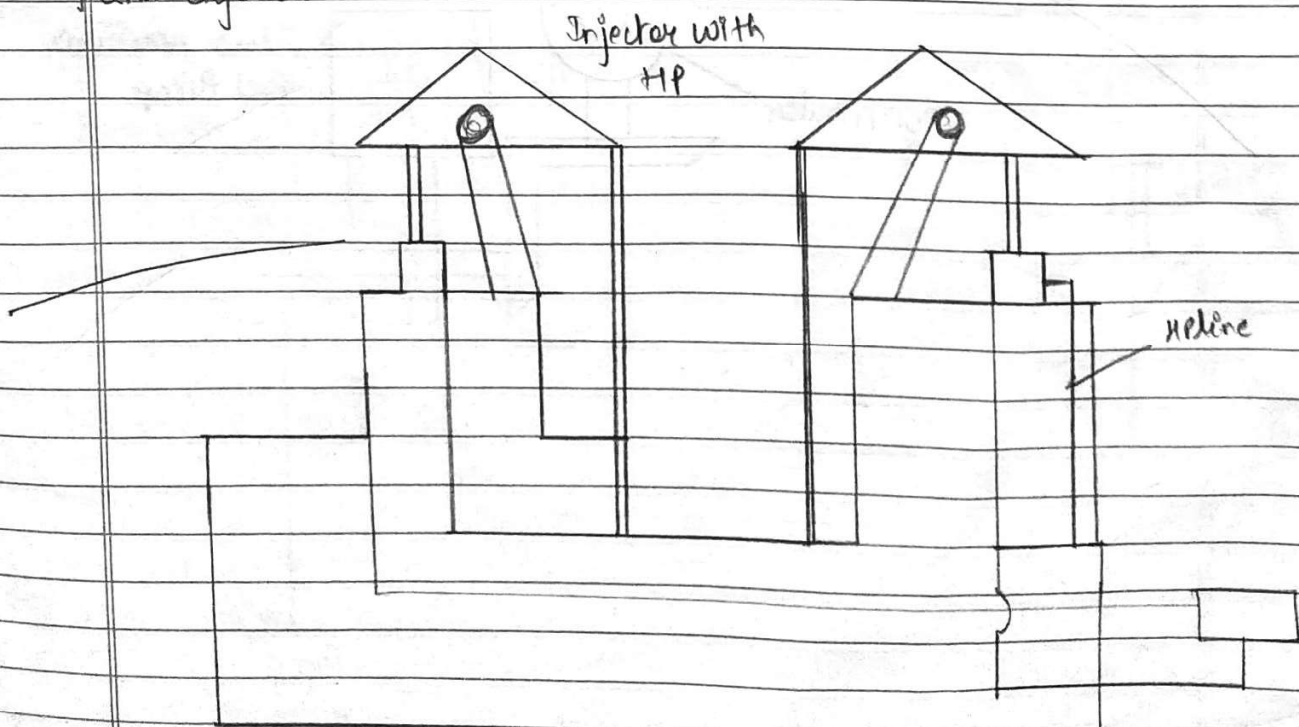
1. Individual Pump and Nozzle System.



In this system each cylinder is provided with one pump and one injector. In this arrangement a separate metering and compression pump is provided for each cylinder.

The pump may be placed close to the cylinder. The high pressure pump plunger is actuated by a cam and produces the fuel pressure necessary to open the injector valve at the correct time. The amount of fuel injected depends on the effective stroke of the plunger.

2. Unit Injector.



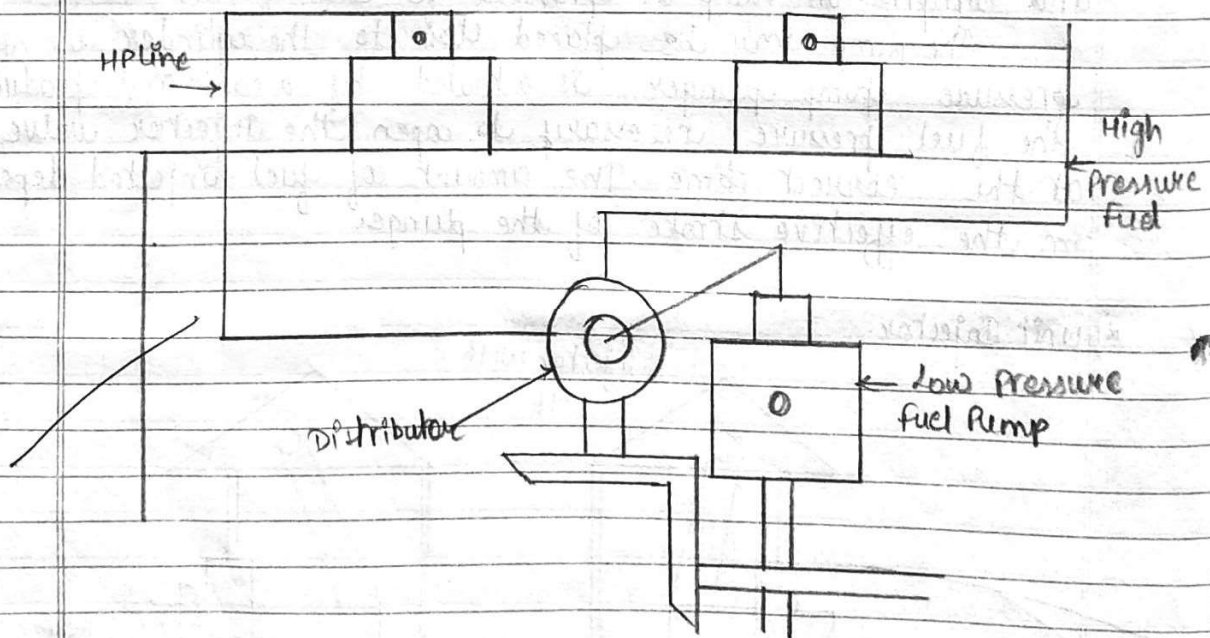
In the common rail system a HP pump supplies fuel under high pressure to a fuel header.

The high pressure in header force the fuel to each of the nozzle located in the cylinder. At the proper time a mechanically operated valve allows the fuel to enter the proper cylinder through the nozzle.

The pressure in the fuel header must be that for which the injector system was designed i.e., It must able to penetrate and disperse the fuel in the combustion chamber.

The amount of fuel entering the cylinder is regulated by varying the length of the push rod stroke.

4) Distributor System.



In this system the pump which pressurise the fuel in the system also meters and times it.

The fuel pump after metering the required amount of fuel is supplied it to rotating distributor at the correct time for supply to each cylinder.

The number of injection strokes per cycle for the pump is equal to the no. of cylinders.

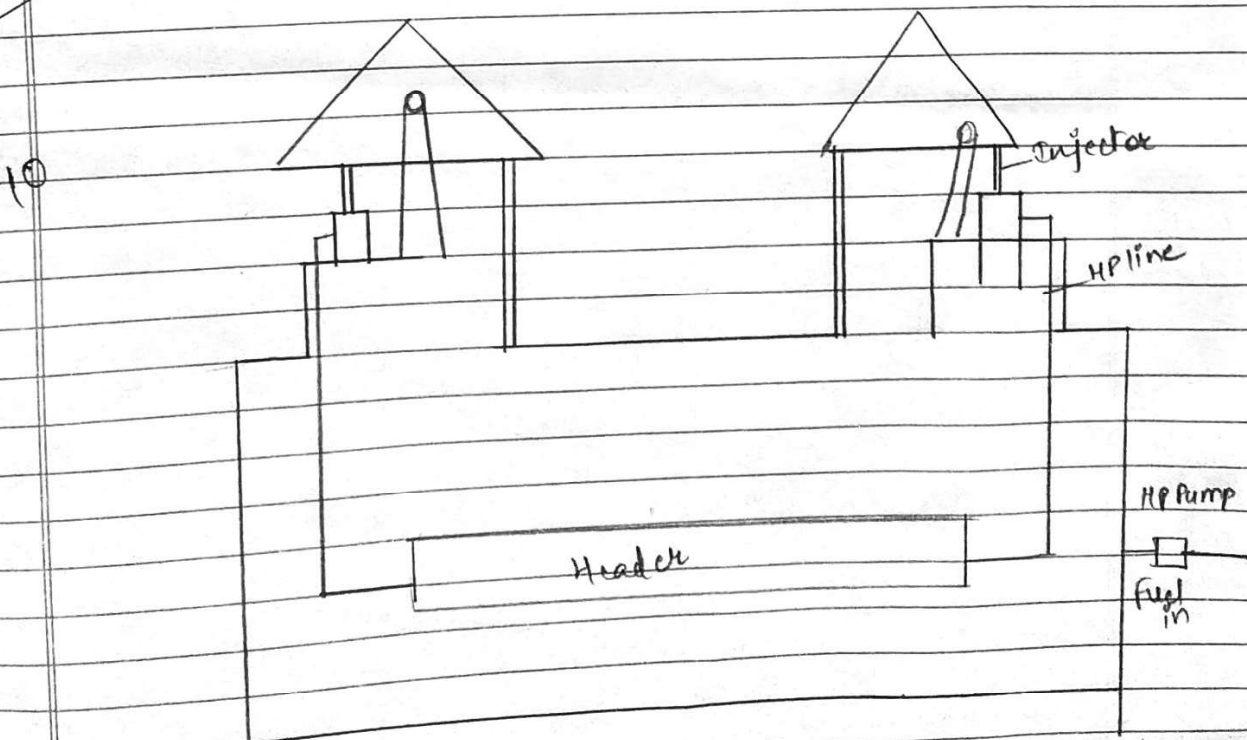
Since there is one metering element in each pump a uniform distribution is automatically ensured.

Unit Injector System

The unit injector system is one in which the pump and injector nozzle are combined in one of this housing.

Each cylinder is provided with one of this unit injectors. Fuel is brought upto the injector by a low pressure pump where at the proper time a rocker arm actuates the plunger and thus injects the fuel into the cylinder. The amount of fuel injected is regulated by the effective stroke of the plunger.

Common Rail System



Project/ Seminar
CO – PO Linking and Rubrics

Rubrics for Project Stage I

Problem Analysis (8)				Design / Model (7)			Presentation (10)			Total (25 marks)
Background and Context	Identification and Problem Formulation	Depth of analysis	Conclusion	Complexity of designed problem	Use of Engineering designed tools & technics	Quality of Designed Solution	Project Report	Powerpoint Presentation	Oral Presentation	
ME416.1	ME416.1	ME416.2	ME416.3	ME416.4	ME416.2	ME416.4	ME416.6	ME416.5	ME416.6	
2	2	2	2	2	2	3	4	3	3	25

CO – PO linking for Project Stage I

SVERI's College of Engineering
Mechanical Engineering Department
SEM-I BE (Mechanical)

Subject Code : ME416

Subject Name: Project work I

CO No.	CO Statement	Bloom's Level	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
ME416.1	Identify, interpret, and solve problems in Mechanical Engineering.	BL1: Remember BL2: Understand	3	3	3	1	2	0	0	2	0	0	0	1	3	3	3
ME416.2	Analyze and predict the systems using design tools and techniques.	BL 3: Apply	3	3	3	3	3	0	0	2	0	0	0	1	3	3	3
ME416.3	Categorize the impact of engineering solutions in a global, economic, environmental, and societal context	BL4: Analyse	3	1	2	1	2	3	3	2	2	0	0	2	3	3	3
ME416.4	Analyse the needs to meet desired within realistic multiple constraints	BL4: Analyse	2	1	3	1	2	3	3	2	1	2	3	2	3	3	3
ME416.5	Demonstrate the ability to work on multidisciplinary level.	BL3: Apply	2	1	2	0	3	1	0	1	3	2	2	2	3	3	3
ME416.6	Demonstrate the leadership ability to communicate effectively in team	BL3: Apply	2	0	0	0	1	1	0	1	3	3	0	1	2	2	2

Course Code	Name of Course		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
ME416	Project Work I		3	2	3	2	2	2	3	2	2	2	3	2	3	3	3

0=No Correlation

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Rubrics for Project Stage II

Problem Analysis (20)				Design (20)			Project Management (20)				Individual and team work (20)				Impact on Society (10)			Communication skill (10)			Total (100 marks)
Background and Context	Identification and Problem Formulation	Depth of analysis	Conclusion	Complexity of designed problem	Use of Engineering designed tools & technics	Quality of Designed Solution	Goal Identification	Task Breakdown	Schedule	Resources (eg. Human, Material, Financial, etc)	Individual Contribution to the team	Problem Solving	Collaboration	Focus and Punctuality	Health and safety consideration	Environmental and Ethical considerations	Cultural and Societal considerations	Project Report	PowerPoint presentation	Oral Presentation	
ME425.1	ME425.1	ME425.2	ME425.3	ME425.2	ME425.3	ME425.3	ME425.2	ME425.6	ME425.6	ME425.6	ME425.4	ME425.2	ME425.2	ME425.4	ME425.3	ME425.3	ME425.3	ME425.5	ME425.5	ME425.5	
5	5	5	5	10	5	5	5	5	5	5	5	5	5	5	5	3	2	5	2	3	

CO – PO linking for Project Stage I

SVERI's College of Engineering
Mechanical Engineering Department

SEM-II

BE (Mechanical)

Subject Code : ME425

Subject Name: Project work II

CO No.	CO Statement	Bloom's Level	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
ME425.1	Analyze & summarize the collected information in the form of literature review.	BL 4: Analyse	1	3	0	1	0	1	1	1	1	1	1	1	2	2	2
ME425.2	Analyze, design and synthesize systems/ processes to solve societal, environmental & public health problems.	BL 4: Analyse	2	3	3	3	2	2	2	1	1	1	1	1	3	3	3
ME425.3	Select and use modern tools to understand impact of professional engineering solutions in a global, economical, environmental contexts, etc.	BL4: Analyse BL5: Evaluate	1	1	1	1	3	1	3	1	1	1	2	1	3	3	3
ME425.4	Perform effectively as an individual or in a team by following professional ethics.	BL5: Evaluate	1	1	1	1	1	1	1	3	3	2	2	2	2	2	2
ME425.5	Develop the ability to communicate effectively to comprehend and write professional documents such as research paper, project reports, etc.	BL6: Create	1	1	2	0	3	1	0	1	3	2	2	2	3	3	3
ME425.6	Integrate engineering & management principles to manage projects and to engage in life long learning as per the need of change in technology.	BL6: Create	2	1	1	1	1	1	1	1	2	2	3	3	3	3	3

Course Code	Name of Course		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
ME425	Project Work II		1	2	2	2	2	2	2	2	2	2	2	2	3	3	3

0=No Correlation

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Indirect Program Outcome Assessment Tools .

- 1. Course End Survey.**
- 2. Exit Survey.**
- 3. Employer Feedback.**
- 4. Alumni Feedback.**

Sample Course End Survey Form



SHRI VITHAL EDUCATION & RESEARCH INSTITUTE'S

COLLEGE OF ENGINEERING, PANDHARPUR

P.B. No. 54, Gopalpur -Ranjani Road, Gopalpur, Tal - Pandharpur- 413 304,

Dist. Solapur (Maharashtra) Ph.(02186)- 282223, 9503103892

(Approved by A.I.C.T.E., New Delhi and affiliated to Solapur University, Solapur)

ISO 9001-2000 Certified Institute & Accredited by Institute of Engineers, India,

E-mail : coe@sveri.ac.in

Website: www.sveri.ac.in



STUDENT FEEDBACK FORM

Date: 21/11/19

Academic Year: 2018-19

Class and Semester: B. E. E&TC. – II Div- A

Part A: Technical Course and Teacher Specific:

Sr.No.	Name of the Course	Theory / Practicals / Tutorials	Name of the Teacher
CR1	Embedded System	Theory	Prof.Akshay A.Jadhav
CR2	Embedded System	Practicals	Prof.Akshay A.Jadhav Prof.G.G.Unhale
CR3	Broadband Communication	Theory	Prof.S.A.Inamdar
CR4	Broadband Communication	Practicals/Tutorials	Prof.S.A.Inamdar
CR5	Multimedia Communication Technology	Theory	Prof.D.A.Kumbhar
CR6	Multimedia Communication Technology	Practicals	Prof.D.A.Kumbhar
CR7	IOT	Theory	Prof.A.A.Jadhav
CR8	IOT	Practicals	Prof.N.S.Admile
CR9	Project Phase-II	Practicals	Prof.D.A.Kumbhar

*- Write the name of Respective Teacher /Instructor

Your Responses below are for purpose of Evaluation					
5 - Mostly	4 - Quite Often	3 - Often	2 - At Times	1 - Hardly	
Please respond to items below by writing 5/4/3/2/1					

	CR 1	CR 2	CR 3	CR 4	CR 5	CR 6	CR 7	CR 8	CR 9	CR 10	CR 11	CR 12	CR 13	CR 14	CR 15
1. Does the teacher come to the class/lab and leave the class/lab on time?	4	4	4	4	4	4	4	4	4						
2. Whether outcomes are made clear?	4	4	4	4	4	4	4	4	4						
3. Whether teaching plan is prepared by the teacher as per the syllabus and time available?	4	4	4	4	4	4	4	4	4						
4. Whether logical sequence/flow is maintained during teaching as per the bits in the syllabus?	4	4	4	4	4	4	4	4	4						
5. Whether the teacher is well prepared, organized and course material is well structured?	4	4	4	4	4	4	4	4	4						
6. Is the chalkboard writing clear and organized?	4	4	4	4	4	4	4	4	4						
7. Are any Audio-Visual Aids used?	4	4	4	4	4	4	4	4	4						
8. Is the teaching with emphasize on fundamental concepts and with illustrative examples?	4	4	4	4	4	4	4	4	4						
9. Whether difficult topics are taught with adequate attention and ease?	4	4	4	4	4	4	4	4	4						
10. Do the faculty provide new knowledge and has command over the subject?	4	4	4	4	4	4	4	4	4						
11. Is the teacher enthusiastic during teaching?	4	4	4	4	4	4	4	4	4						
12. Is the teacher able to deliver contents with good communication skills?	4	4	4	4	4	4	4	4	4						
13. Are you encouraged to ask Questions to make teaching interactive and lively?	4	4	4	4	4	4	4	4	4						

	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
14. Does the course improve your understanding of concepts, principles in this field and motivated you to think and learn?	4	4	4	4	4	4	4	4	4						
15. Whether the teacher is effective in preparing students for exams?	4	4	4	4	4	4	4	4	4						
16. Are the assignments and tests challenging?(with new & novel problem solving approach)	4	4	4	4	4	4	4	4	4						
17. Is the evaluation fair and impartial? And does it help you to improve?	4	4	4	4	4	4	4	4	4						
18. Whether teacher is prompt in evaluating and returning the answer scripts?	4	4	4	4	4	4	4	4	4						
19. Does teacher give additional inputs (contents beyond syllabus)?	4	4	4	4	4	4	4	4	4						
20. Whether teacher is accessible to the students for counseling, guidance and solving queries off the classroom hours?	4	4	4	4	4	4	4	4	4						
TOTAL SCORE/INDEX(MAX 100)	80	80	80	80	80	80	80	80	80	80					
Converted to percentage (%)	80	80	80	80	80	80	80	80	80	80					
What is your overall impression about the teacher?(write your choice O/E/V/G/S/N in the appropriate boxes) (O)Outstanding/(E)Excellent/(V)Very Good/(G)good/(S)Satisfactory / (N)Not Satisfactory.	E	E	E	E	E	E	E	E	E						

Part B:General:

365

Please respond to items below by putting √, 5 being the highest

	5	4	3	2	1
1. To what extent have you benefited from initiatives, by the Institute/Department, such as CIP, writing five sentences, etc. towards communication improvement?		4			
2. To what extent have you benefited from group discussions and moodle sessions arranged on weekly basis? (Tick only if applicable)		4			
3. Rate the effectiveness of the exercise, of reading personality development book and presentation in the class, in development of leadership and improvement of communication.		4			
4. Rate the effectiveness of training sessions conducted through training and placement cell in development of leadership, improvement of communication and understanding the importance of team work.		4			
5. Rate the effectiveness of co-curricular and extra-curricular activities through Olympus and other technical events, EDC, NSS, Sports, Cultural, etc. in leadership development, communication improvement and team work.		4			
6. Rate the effectiveness of culture (based on respect <i>(give respect take respect)</i> , addiction free environment and discipline) of Institute/ Department in imbibing values and ethics.		4			
7. Rate the effectiveness of co-curricular and extra-curricular activities through Olympus and other technical events, EDC, NSS, Sports, Cultural, etc. in imbibing values and ethics.		4			
8. Rate the effectiveness of the exercise of reading personality development book and presentation in the class in imbibing values and ethics.		4			
9. Rate the effectiveness of training sessions conducted through training and placement cell in imbibing values and ethics.		4			
10. Rate your awareness about availability of journals and e-journal and their usefulness in preparing seminar and projects.		4			
TOTAL SCORE/INDEX(MAX 50)		40			
Converted to percentage (%)		90%			

Sample Exit Survey Form



SHRI VITHAL EDUCATION & RESEARCH INSTITUTE'S
COLLEGE OF ENGINEERING, PANDHARPUR

P.B. No. 54, Gopalpur -Ranjani Road, Gopalpur, Tal.- Pandharpur- 413 304, Dist.- Solapur (Maharashtra)

Tel.: 02186-216063, 9503103757, E-mail : coe@sveri.ac.in, Website: www.sveri.ac.in

(Approved by A.I.C.T.E., New Delhi and affiliated to Solapur University, Solapur)

NBA Accredited all Eligible UG Programmes and , NAAC, Accredited Institute,

Accredited by The Institution of Engineers (India), Kolkata and TCS, Pune ISO 9001-2015 Certified Institute



Date: 31/3/19

Exit Student Survey – Graduation in Year 2018-19

Dear Students,

We are interested in hearing about your educational experience at Department of Mechanical Engineering at SVERI's COE, Pandharpur. Please answer following questions sincerely. Your response will help to continue our journey towards excellence.

A) Your Information:

1. Name: Tupe Shashikant Panaji

2. Mobile No: 9156835247

3. Email ID: shashikantttupe11@gmail.com

4. Final Year Roll Number: BB-50

5. Year of Admission: 2015-16

6. Level of entrance – After HSC, After Diploma: After HSC

7. Aggregate Percentage in Final Year: 68.02 %

8. Further Career Plans (Employment / Education; please give details):

PG from abroad

B) Fulfillment of the Program Outcomes:

Please assess your abilities or knowledge gained as a result of your educational development at the institute/ department.

Please respond to items below by putting $\checkmark$, 4 being the highest			
4 (Strongly Agree)	3 (Agree)	2 (Somewhat Disagree)	1 (Strongly disagree)

	1	2	3	4
Ability to apply knowledge of mathematics and science to the solution of complex engineering problems.	☒			
Ability to conduct experiments, perform analysis and interpret data for complex engineering problems	☒			
Ability to identify, formulate, investigate and synthesis of information to solve complex engineering problems	☒			
Ability to use appropriate techniques, skills, and modern engineering tools, instrumentation, software and hardware necessary for complex engineering practice with an understanding of their limitations.	☒			
Ability to articulate ideas, communicate effectively, in writing and verbally, on complex engineering activities with the engineering community and with society at large.	☒			
Ability to function effectively as an individual, and as a member or leader in diverse teams.	☒			
Ability to execute responsibility professionally and ethically	☒			
Ability to demonstrate knowledge and understanding of engineering and management principles to manage projects in multidisciplinary environments	☒			

C) Educations Experience:

Please answer the following questions that best describe your experiences as a student at SVERIs College of Engineering, Pandharpur.

Please respond to items below by putting $\checkmark$, 4 being the highest			
4 (Strongly Agree)	3 (Agree)	2 (Somewhat Disagree)	1 (Strongly disagree)

	1	2	3	4
I am well prepared for employment in my field		☒		
The course work required in my study met my expectation	☒			
Modern engineering tools were incorporated into my class and/or laboratory activities	☒			
Classrooms were conducive & adequate to support teaching and learning activities	☒			
The computer and laboratory equipment and facilities were satisfactory and adequate	☒			
Faculty was available for assistance with my educational process		☒		
The overall quality of teaching and learning activities in the programme was good	☒			
Department faculty members were available to help and they met my needs		☒		
I would definitely recommend the institute to others	☒			

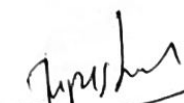
D) General Remarks :

1. Weaknesses of department, in my opinion

- i).....
ii).....
iii).....

2. Strength of department, in my opinion

- i).....
ii).....
iii).....


Signature

Sample Employer Feedback Form



SHRI VITHAL EDUCATION & RESEARCH INSTITUTE'S
COLLEGE OF ENGINEERING, PANDHARPUR

ISO 9001:2008 Certified Institute & Accredited by Institution of Engineers, India.
P.B. No. 54, Gopalpur -Ranjani Road, Gopalpur, Pandharpur- 413 304,
Dist. Solapur (Maharashtra) Ph. : (02186) 225083, Fax: (02186) 225082.
(Approved by AICTE, New Delhi and affiliated to Solapur University, Solapur)

Date: 13/1/2020

Training & Placement Cell

Industry Feedback

- 1) Name of Person :- Jitendra Zope
- 2) Name of the Company :- Bharat Forge
- 3) Designation :- Dy. Manager
- 4) Department :- Human Resource
- 5) Date of feedback :- 13th January 2020
- 6) Nature of feedback.

Sr.no	Particulars	Excellent	Very Good	Good	Poor
I.	Aptitude	✓			
II.	Technical Ability	✓			
III.	Presentation Skills		✓		
IV.	Communication		✓		
V.	Intellectual capacity of student		✓		

7) General remarks, company suggestion if any: More focus on Technical Skills

Date: 13 / 1 / 2020

Place: Pandharpur

Jitendra Zope
Signature

Sample Alumni Survey Form



SHRI VITHAL EDUCATION & RESEARCH INSTITUTE'S

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Ranjani Road, Gopalpur, Pandharpur- 413 304,
Dist. Solapur (Maharashtra) Ph. : (02186) 225083, Fax: (02186) 225082.
(Approved by AICTE, New Delhi and affiliated to Solapur University, Solapur)

Date: 7/6/19

Alumni Feedback Form

Name of the Alumni: Rachana Parashuram Khatwale

Branch: ENTC

Year of Passing: 2018

Name and address of the Organization: Capgemini pvt. Ltd. Bangalore.

Date of Joining: 26/09/2018

Current Designation: Software Analyst

E-mail id: rachanakhatwale24@gmail.com

Annual CTC: 2.4 lpa.

Mobile No: 9067692744

Landline No: -

Rate on the scale of 1 to 10 by putting $\checkmark$, 10 being the highest about your experience in Institute related to following Points.

1. The exposure to contemporary issues along with Modern Tools of usage during your course of study in the Institute.

1 2 3 4 5 6 7 8 9 10

2. The exposure to industrial working approach of developing the products and processes considering societal, environmental and sustainability aspects through our mechanisms such as industrial visits, in-plant/ vocational/ field training/ industry-institute interaction and guest lectures by experts from industry.

1 2 3 4 5 6 7 8 9 10

3. Your ability to identify, formulate and solve the problems in your profession based on knowledge acquired at the Institute.

1 2 3 4 5 6 7 8 9 10

4. To what extent have you benefited from initiatives, by the Institute/Department, such as CIP, writing five sentences, Proctor sessions etc. towards communication improvement?

1 2 3 4 5 6 7 8 9 10

5. The usefulness of facilities and activities such as Journals and e-Journals and preparation for seminars, mini projects and project work, during your course of study in the Institute, for tuning towards lifelong learning.

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

6. The contribution of curricular, co-curricular and extra-curricular activities, during your course of study, in the Institute/ department in building your ability to work, on multidisciplinary problems, as an individual or a member of a team.

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

7. The exposure to the various ethical principles, professional ethics, project management and finance related training and skills through various courses and activities.

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

8. The efforts taken by Institute on improving basic subjects like mathematics, science and engineering fundamentals.

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

9. The usefulness of efforts taken by Institute on design related subjects by giving stress upon improving system design concepts under various constraints.

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

10. The quality of laboratory work conducted by you giving the skills of design of experiments, analysis and interpretation of data.

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

Total score / index (Max. 100)	89
Converted to percentage (%)	89%

11. Your suggestions please:

1) students should get time to prepare for gate studies, & other examinations.
 2) There should be some sessions to aware students about industrial requirements.

Rachana
 Signature

UNIVERSITY GOLD MEDIAL

Mr. Deshmukh Shrinath Jayawant Gold Medalist B. E. (Mechanical) 2019-2020



Gold Medal Certificate



पुण्यलोक अहिल्यादेवी होल्कर
सोलापूर विद्यापीठ
NAAC Accredited-2015
"B" Grade (CGPA-2.82)

**PUNYASHLOK AHILYADEVI HOLKAR
SOLAPUR UNIVERSITY, SOLAPUR.**



GOLD MEDAL CERTIFICATE



*This is to certify that
DESHMUKH SHRINATH JAYAVANT
of*

*College Of Engineering, Pandharpur
has secured the highest number of marks in
B.E. Mechanical from all students*

Examination conducted by this University held in March/April 2020.

He has been awarded

Late Shriman Bhausaheb Gandhi

Gold Medal 3

instituted by

***Dr. Rajendra Gandhi, Chairman, Shri. Bhausaheb Gandhi pratishthan, Solapur**
in recognitions of his success.*

*This certificate and the Gold Medal have been awarded to
this 22nd day of February, 2021 on the occasion of
90th Convocation Ceremony of this University.*



M. Fadnavis
Dr. Mrunalini Fadnavis
Vice-Chancellor

UNIVERSITY RANKERS



SHRI VITHAL EDUCATION & RESEARCH INSTITUTE'S

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ISO 9001:2015



Department of Mechanical Engineering

University Ranker List from A.Y. 2017-18 to 2020-21

Sr. No.	Name of Student	University Rank	Marks	Class	Academic Year
1.	Mr. Vaibhav Ratnakar Satpute	5 th	84.68%	BE	2017-18
2.	Mr. Deepak Baliram Choudhari	3 rd	87.56%	BE	2018-19
3.	Mr. Rohit Dattatray Bankar	4 th	87.44%	BE	2018-19
4.	Mr. Deshmukh Shrinath Jayavant	1 st	89.03%	BE	2019-2020
5.	Mr. Devmare Avinash Arjun	3 rd	88.13%	BE	2019-2020
6.	Mr. Gade Shubham Bapurao	1 st	80.64%	M.Tech.	2019-2020
7.	Mr. Adalinge Rohit Chandrakant	4 th	87.85%	BE	2020-2021

(Dr. S. S. Wangikar)

Head, Mech. Engg. Dept.

HEAD,

Dept. of Mechanical Engg
C.O.E. Pandharpur

ब) सोलापूर विद्यापीठाने मार्च/एप्रिल २०१८ मध्ये घेतलेल्या विविध परीक्षांमध्ये गुणानुक्रमे पहिल्या पाच पर्यंत क्रमांक मिळविलेल्या विद्यार्थी / विद्यार्थिनींची गुणवत्ता यादी.

Examination Name : BE EEE MERIT LIST

Sr. No.	Seat No.	Student Name	College Name	CGPA (Percentage)	Merit Number
1	764716	PATHAN MAHIBOOB SHABBIR	V V P Institute of Engineering and Technology, Solapur (VVP)	9.32	1
2	764705	JADHAV DEVYANI VIJAY	V V P Institute of Engineering and Technology, Solapur (VVP)	9.21	2
3	764715	NAGNE RUTUJA RAJKUMAR	V V P Institute of Engineering and Technology, Solapur (VVP)	9.17	3

Examination Name : BE BIO-MEDIACL MERIT

Sr. No.	Seat No.	Student Name	College Name	CGPA (Percentage)	Merit Number
1	750703	JAYNURE BALAJI RAMRAO	Bharatratna Indira Gandhi College of Engineering, Solapur (BIGCE)	9.03	1
2	750704	PATEL ROHAN HARESH	Bharatratna Indira Gandhi College of Engineering, Solapur (BIGCE)	8.59	2
3	750701	GORE YOGESHWAR SOPAN	Bharatratna Indira Gandhi College of Engineering, Solapur (BIGCE)	7.80	3

Examination Name : BE CIVIL

Sr. No.	Seat No.	Student Name	College Name	CGPA (Percentage)	Merit Number
*1	756936	SAWANT ASHUTOSH SHIVAJIRAO	Walchand Institute of Technology, Solapur (WIT)	9.88 (88.34)	1
*2	756926	DARGAD ABHISHEK SHAMSUNDAR	Walchand Institute of Technology, Solapur (WIT)	9.88 (88.03)	2
*3	756770	HARANMARE UZMA KAUSAR ASIF	Nagesh Karajagi Orchid College of Engineering and Technology, Solapur	9.88 (87.06)	3
4	756778	KHAN AAZAM ALI GALIB	Nagesh Karajagi Orchid College of Engineering and Technology, Solapur	9.87	4
5	756769	GUNDU VYANKATESH SATYANARAYAN	Nagesh Karajagi Orchid College of Engineering and Technology, Solapur	9.85	5

Examination Name : BE MECHANICAL MERIT

Sr. No.	Seat No.	Student Name	College Name	CGPA (Percentage)	Merit Number
1	784828	KSHIRSAGAR ABHISHEK YASHWANT	Walchand Institute of Technology, Solapur (WIT)	9.96	1
2	784507	SHILGANI RAHUL BHUMAYYA	Nagesh Karajagi Orchid College of Engineering and Technology, Solapur	9.86	2
3	783822	SARADE AJAY UTTAM	A. G. Patil Institute of Technology, Solapur (AGPIT)	9.76	3
4	784852	SHAIKH MUHAMMED MUSTAFA IMTIYAZ	Walchand Institute of Technology, Solapur (WIT)	9.74	4
5	784021	SATPUTE VAIBHAV RATNAKAR	College of Engineering, Pandharpur (COEP)	9.73	5



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Solapur-Pune National Highway, Kegaon, Solapur-413255, Maharashtra(India)

Merit List

BE-Regular-Credit System 2014(MECHANICAL ENGINEERING) for Mar-2019

Template Name: MECHANICAL ENFUNEERING

Sr. No.	Merit No.	Name of Student	Gender	CGPA	Percentage	Earned Credits	College Name (Code)	PRN	Seat Number
1	1	KULKARNI DIVYA PRADEEP Address AP 1742 UTPAT GALIPANDHARPUR City : PANDHARPUR Taluka : Pandharpur Distict : Solapur State : Maharashtra Pin : 413304 Mobile Number : 919764080937 Email ID : Not Available	Female	9.94	86.92	192.50	SKN SINHGAD COLLEGE OF ENGINEERING (SCOEK)	2015032500236714	818232
2	2	KULKARNI SAMARTH MADHUKAR Address PLOT NO 80 MALLIKARJUN NAGAR HATTURE NAGAR HOTGI ROAD OPP AIR PORT City : SOLAPUR Taluka : Solapur(n) Distict : Solapur State : Maharashtra Pin : 413224 Mobile Number : 918888601703 Email ID : SAMARTHKULKARNI1997@GMA	Male	9.91	87.13	141.00	A.G.Patil Institute of Technology(A GPIT)	2016032500264093	817325
3	3	CHOUDHARI DEEPAK BALIRAM Address AT DEOGAON KHURD POST KHASGAON City : DEOGAON KHURD KASGAON Taluka : Paranda Distict : Osmanabad State : Maharashtra Pin : 413502 Mobile Number : 919158978526 Email ID : CHOUDHARIDEEPAK0812@GMA	Male	9.89	87.56	192.50	College of Engineering(C OEP)	2015032500247824	817496
4	4	BANKAR ROHIT DATTATRAY Address AT POST VELAPUR City : VELAPUR Taluka : Malshiras Distict : Solapur State : Maharashtra Pin : 413113 Mobile Number : 917773972420 Email ID : PREM61296@GMAIL.C	Male	9.86	87.44	192.50	College of Engineering(C OEP)	2015032500247871	817556



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Merit List

BE-Regular-Credit System 2014(MECHANICAL ENGINEERING) for Mar-2019

Template Name: MECHANICAL ENGINEERING

Sr. No.	Merit No.	Name of Student	Gender	CGPA	Percentage	Earned Credits	College Name (Code)	PRN	Seat Number
5	5	MADYALKAR AKSHAY ANESH Address 68 SOMWAR PETH SOLAPUR City : SOLAPUR Taluka : Solapur(n) District : Solapur State : Maharashtra Pin : 413002 Mobile Number : 918149447318 Email ID : AAMADYALKAR22@GM	Male	9.85	86.90	141.00	N. B. Navale Sinhgad College of Engineering, Solapur.	2016032500286781	817703

Note: The above mentioned merit list is declared subject to change of marks due to verification.

Director
Board of Examinations and Evaluation



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Solapur-Pune National Highway, Kegaon, Solapur-413255, Maharashtra(India)

Merit List

BE-Regular-Choice Based Credit System(MECHANICAL ENGINEERING) for Mar-2020

Template Name: BE CBCS Mechanical

Sr. No.	Merit No.	Name of Student	Gender	CGPA	Percentage	Earned Credits	College Name (Code)	PRN	Seat Number
1	1	DESHMUKH SHRINATH JAYAVANT Address AT POST ATPADI City : ATPADI Taluka : Aatpadi Distict : Sanqli State : Maharashtra Pin : 415301 Mobile Number : 917770094565 Email ID : Not Available	Male	9.92	89.03	192.00	College of Engineering(C OEP)	2016032500232636	623263
2	2	OVERIKAR PRATHMESH GIRISHRAO Address Flat No 102, Krishna Enclave Vijay Nagar Near Dawat Chowk Jule Solapur City : SOLAPUR Taluka : Solapur(s) Distict : Solapur State : Maharashtra Pin : 413004 Mobile Number : 917020567937 Email ID : overikar.pg@gmail.co	Male	9.82	87.65	141.00	Walchand Institute of Technology(WI T)	2017032500235021	723502
3	3	DEVMARE AVINASH ARJUN Address H. No. 3870, savata mali matha mage, sant peth, Pandharpur City : PANDHARPUR Taluka : Pandharpur Distict : Solapur State : Maharashtra Pin : 413304 Mobile Number : 918459939482 Email ID : devmareavinash@gm	Male	9.79	88.13	192.00	College of Engineering(C OEP)	2016032500232621	623262
4	4	PHATATE DEEPIKA RAVINDRA Address 262,CHATI GALLI, WEST MANGALWAR PETH City : SOLAPUR Taluka : Solapur(n) Distict : Solapur State : Maharashtra Pin : 413002 Mobile Number : 917083530009 Email ID : PHATATEDEEPIKA@GM	Female	9.75	87.56	192.00	Walchand Institute of Technology(WI T)	2016032500226632	622663



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Merit List

BE-Regular-Choice Based Credit System(MECHANICAL ENGINEERING) for Mar-2020

Template Name: BE CBCS Mechanical

Sr. No.	Merit No.	Name of Student	Gender	CGPA	Percentage	Earned Credits	College Name (Code)	PRN	Seat Number
5	5	MANE OMKAR TUKARAM Address OMARGA City : OMARGA Taluka : Omarga Distict : Osmanabad State : Maharashtra Pin : 413605 Mobile Number : Not Available Email ID : Not Available	Male	9.74	87.16	192.00	SKN SINHGAD COLLEGE OF ENGINEERING (SCOEK)	2016032500220682	622068

Note: The above mentioned merit list is declared subject to change of marks due to verification.

Director
Board of Examinations and Evaluation



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Merit List

M.Tech.-Regular-Choice Based Credit System(Mechanical (Design Engineering)) for Mar-2020

Template Name: M.TECH MECH.DESIGN MAR-2020

Sr. No.	Merit No.	Name of Student	Gender	CGPA	Percentage	Earned Credits	College Name (Code)	PRN	Seat Number
1	1	GADE SHUBHAM BAPURAO Address AT POST BEMBALE TALUKA MADHA DIST SOLAPUR City : BEMBALE Taluka : Madha Distict : Solapur State : Maharashtra Pin : 413211 Mobile Number : 919730276847 Email ID : SHUBHAMGADE5136@GMAIL.C	Male	9.29	80.64	75.00	College of Engineering(C OEP)	2018032500257296	825729

Note: The above mentioned merit list is declared subject to change of marks due to verification.

Director
Board of Examinations and Evaluation



Punyashlok Ahilyadevi Holkar Solapur University, Solapur

<http://su.digitaluniversity.ac>

Solapur-Pune National Highway, Kegaon, Solapur-413255, Maharashtra(India)

Merit List

BE-Regular-Choice Based Credit System(MECHANICAL ENGINEERING) for Mar-2021

Template Name: BE CBCS MECHANICAL MARCH 2021

Sr. No.	Merit No.	Name of Student	Gender	CGPA	Percentage	Earned Credits	College Name (Code)	PRN	Seat Number
1	1	NARALE SHRIPAD BABASAHEB Address 249 SHANKAR NAGAR HOTGI ROAD City : SOLAPUR Taluka : Solapur(n) District : Solapur State : Maharashtra Pin : 413224 Mobile Number : 918412848789 Email ID : SHRIPAD0016@GMAI	Male	9.99	91.00	141.00	Walchand Institute of Technology(WI T)	2018032500236033	1823603
2	2	MD EZAZ GULAB JAKATDAR Address 24 MODIKHANA NEAR KATKAR HOME City : SOLAPUR Taluka : Solapur(n) District : Solapur State : Maharashtra Pin : 413003 Mobile Number : 919637529797 Email ID : EJAKATDAR786@GMA	Male	9.95	90.82	192.00	Walchand Institute of Technology(WI T)	2017032500244727	1724472
3	3	TATHE GOURI SANJAY Address AT KORTI TAL PANDHARPUR City : PANDHARPUR Taluka : Pandharpur District : Solapur State : Maharashtra Pin : 413304 Mobile Number : Not Available Email ID : Not Available	Female	9.94	90.69	192.00	SKN SINHGAD COLLEGE OF ENGINEERING (SCOEK)	2017032500242791	1724279
4	4	ADALINGE ROHIT CHANDRAKANT Address AT POST BITALE City : BITALE Taluka : Mohol District : Solapur State : Maharashtra Pin : 413214 Mobile Number : 919561526604 Email ID : Not Available	Male	9.92	87.85	192.00	College of Engineering(C OEP)	2017032500258074	1725807



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Merit List

BE-Regular-Choice Based Credit System (MECHANICAL ENGINEERING) for Mar-2021

Template Name: BE CBCS MECHANICAL MARCH 2021

5	5	DETHE RUTUJA GOVIND Address A P PANDHARPUR City : PANDHARPUR Taluka : Pandharpur Distict : Solapur State : Maharashtra Pin : 413304 Mobile Number : Not Available Email ID : Not Available	Female	9.90	89.68	192.00	SKN SINHGAD COLLEGE OF ENGINEERING (SCOEK)	2017032500241307	1724130
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Note: The above mentioned merit list is declared subject to change of marks due to verification.

Director
Board of Examinations and Evaluation

OFFER LETTERS



Offer: Computer Consultancy
Ref: TCSL/CT20172242585/Pune
Date: 13/09/2019

Mr. Vishal Janarath Kadam
A/P Suste, Tal.Pandharpur,
Pandharpur,
Pandharpur-413304,
Maharashtra.
Tel# -

Dear Vishal Janarath Kadam,

Sub: Letter of Offer

Thank you for exploring career opportunities with TATA Consultancy Services Limited (TCSL). You have successfully completed our initial selection process and we are pleased to make you an offer.

This offer is based on your profile and performance in the selection process. You have been selected for the position of **Assistant System Engineer-Trainee** in Grade Y. You will be a part of the application development and maintenance projects across any of the business units of TCSL.

Your gross salary including all benefits will be **₹3,36,875/-** per annum, as per the terms and conditions set out herein. Over and above this, you will also be eligible for Learning Incentives (Readiness Incentive and/or Competency Incentive) basis your performance in TCS Xplore Program which gives you an additional earning potential of upto **Rs.60,000** during the first year. Annexure-1 provides the break-up of the compensation package.

Kindly confirm your acceptance of this offer online through the option 'Accept Offer letter'. If not accepted within 7 Days, it will be construed that you are not interested in this employment and this offer will be automatically withdrawn.

After you accept this offer, you will be given a joining letter indicating the details of your joining date and initial place of posting. The Joining letter will be issued to you only upon successful completion of your academic course, you meeting the TCS eligibility criteria & you completing the mandatory pre-joining learning curriculum named TCS Xplore (detailed under Terms &

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1

TATA CONSULTANCY SERVICES

Tata Consultancy Services Limited

Niyati Tiara, Ground Floor, S.No 103/A/1/129, CTS 1995, Nagar Road, Yerwada, Pune 411 006 India

Tel: 91 20 6608 7777 Fax: 91 20 6608 7107 Website: www.tcs.com

Registered Office Nirmal Building, 9th Floor, Nariman Point, Mumbai 400 021

TCS Careers Serviceline: 1800 209 3111 Email: careers@tcs.com



Conditions). You will also be issued a letter of appointment at the time of your joining after completing joining formalities as per company policy. Your offer is subject to a positive background check.

COMPENSATION AND BENEFITS

BASIC SALARY

You will be eligible for a basic salary of ₹10,200/- per month.

BOUQUET OF BENEFITS (BoB)

Bouquet of Benefits offers you the flexibility to design this part of your compensation within the defined framework, twice in a financial year. All the components will be disbursed on a monthly basis.

The components under Bouquet of Benefits are listed below. The amounts given here for each of the components below are as per pre-defined structure. However you may want to re-distribute the BoB amount between the components as per your tax plan, once you join TCSL. To design your Bouquet of Benefits, you may access the link to BoB in the "Employee Self Service" link on "Ultimatix", the internal portal of TCSL. Taxation will be governed by the Income Tax rules. TCSL will be deducting tax at source as per income tax guidelines.

1. House Rent Allowance (HRA)

Your HRA will be ₹4,080/- per month. While restructuring your BoB amount to various components, it is mandatory that at least 5% of monthly basic pay be allocated towards HRA.

2. Leave Travel Allowance

You will be eligible for annual Leave Travel Allowance which is equivalent to one month's basic salary or a pro-rata amount in case you join during the financial year. This will be disbursed on a monthly basis along with the monthly salary. To avail income tax benefits, you need to apply for a minimum of three days of leave and submit supporting travel documents.

3. Personal Allowance

You will be eligible for a monthly personal allowance of ₹7,570/- per month. This component is subject to review and may change as per TCSL's compensation policy.

4. Food Card

You will be eligible for a Food Card. It can be used to purchase food items at all domestic VISA enabled restaurants and fast food restaurants including TCS cafeterias. As per the Pre-Defined structure you will be eligible for a Food Card with an amount of ₹500/- being credited to this card per month. However you may want to re-distribute the BoB



amount between the components as per your tax plan, once you join TCSL.

PERFORMANCE PAY

Monthly Performance Pay

You will receive a monthly performance pay of ₹1,700/-. The same will be reviewed on completion of your first Anniversary with the company and will undergo a change basis your own ongoing individual performance.

Quarterly Variable Allowance

Your variable allowance will be ₹600/- per month, and will be paid at the closure of each quarter based on the performance of the company and your unit and to the extent of your allocation to the business unit.

Quarterly Variable Allowance is subject to review on your first anniversary and may undergo a change based on the actual performance of the Company, your business unit and your own ongoing individual performance. The payment is subject to your being active on the company rolls on the date of announcement of Quarterly Variable Allowance.

This Pay/Allowance shall be treated as productivity bonus in lieu of statutory profit bonus.

Performance Pay will be effective upon successful completion of the TCS Xplore Programme.

CITY ALLOWANCE

You will be eligible for a City Allowance of ₹200/- per month. This is specific to India and is linked to your base branch. In the event of a change in your base branch this amount may undergo a change. It will stand to be discontinued while on international assignments. This allowance is fully taxable and subject to review.

XPLORE/ LEARNING INCENTIVES

You will be eligible for Readiness Incentive AND/ OR Competency Incentive, basis your performance in TCS Xplore Program. The incentives gives you an additional earning potential of upto Rs.60,000 over and above your CTC during the first year.

OTHER BENEFITS

Health Insurance Scheme

TCSL brings the benefit of health insurance cover to you and your dependants under the company's Health Insurance Scheme(HIS).



HIS offers the following benefits:

1. Basic Cover

i. Entitlement - Includes domiciliary expenses up to ₹6,000/- per insured person per annum and basic hospitalization expenses up to ₹2,00,000/- per insured person per annum.

ii. Premium - Basic premium for self, spouse and three children is entirely borne by TCSL, provided these members are explicitly enrolled by you under the scheme. Additionally, if you wish to cover dependent parents/parents-in-law or remaining children, the applicable premium per insured person is to be borne by you.

2. Higher Hospitalisation

Coverage under Higher Hospitalisation is mandatory. Under this scheme, you and your enrolled dependents will be automatically covered under Higher Hospitalisation benefits.

i. Entitlement - You and your enrolled dependants will be entitled for ₹12, 00,000/- as a family floater coverage towards hospitalisation expenses, over and above the individual basic coverage.

ii. Premium - For Higher Hospitalisation, a part of the premium will be recovered from your salary and the differential premium will be borne by TCSL.

Maternity Leave

Women employees are eligible to avail maternity leave of twenty six weeks. Adopting or commissioning mother, may avail maternity leave for twelve weeks. For more details on the benefits and eligibility, once you join, please refer TCS India Policy - Maternity Leave.

Tata Sons and Consultancy Services Employees' Welfare Trust (TWT)

You will become a member of the TWT, on completion of continuous association of one year from the date of joining TCSL. A nominal annual membership fee of ₹250/- will be recovered from you for the same. The Trust provides financial assistance by way of grants/ loans in accordance with the rules framed by the Trust from time to time for medical and educational purposes and in case of death of members while in service.

Loans

You will be eligible for loans, as per TCSL's loan policy.

Professional Memberships

You will be eligible for reimbursement of expenses towards professional membership as per TCSL's policy.

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4

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RETIRALS

Provident Fund

You will be a member of the Provident Fund as per the provisions of "The Employees Provident Fund and Miscellaneous Provisions Act, 1952", and TCSL will contribute 12% of your basic salary every month as per the provisions of the said Act.

Gratuity

You will be entitled to gratuity as per the provisions of the Gratuity Act, 1972.

TERMS AND CONDITIONS

1. Aggregate Percentage Requirements

Your appointment will be subject to your scoring minimum aggregate (aggregate of all subjects in all semesters) marks of 60% or above (or equivalent CGPA as per the conversion formula prescribed by the Board / University) in the first attempt in each of your Standard Xth, Standard XIIth, Diploma (if applicable) and highest qualification (Graduation/ Post Graduation as applicable) which includes successful completion of your final semester/year without any pending arrears/backlogs. As per the TCSL eligibility criteria, marks/CGPA obtained during the normal duration of the course only will be considered to decide on the eligibility.

As communicated to you through various forums during the recruitment process, your appointment is subject to completion of your course within the stipulated time as specified by your University/Institute and as per TCSL selection guidelines.

It is mandatory to declare the gaps/arrears/backlogs, if any, during your academics and work experience. The management reserves the right to withdraw/revoke the offer/appointment at any time at its sole discretion in case any discrepancy or false information is found in the details submitted by you.

2. Pre requisites for Joining

To enable your readiness to work on assignments upon joining, we have put together a comprehensive learning program named TCS Xplore which is made available to you digitally. This foundation program will include Online learning content, Webinars, practice sessions & proctored assessments. Further to accepting this Offer letter, you are required to enroll for the TCS Xplore Program and start your learning journey with TCSL. TCSL will make Xplore program available for you upon your offer acceptance. Please note that your joining is subject to successful completion of your TCS Xplore program including the proctored assessment. We encourage you to complete your pre-learning, through TCS Xplore, well before your expected date of joining to avoid delays in onboarding.

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3. Training Period

You will be required to undergo class room and on the job training in the first twelve months (including the TCS Xperience Programme as set out herein below), during which period you will be appraised for satisfactory performance during/after which TCSL would normally confirm you.

This confirmation will be communicated to you in writing. If your performance is found unsatisfactory during the training period, the company may afford you opportunities to assist you and enable you to improve your performance. If your performance is still found unsatisfactory, TCSL may terminate your traineeship forthwith.

However, TCSL may even otherwise at its sole discretion terminate the traineeship any time if your performance is not found satisfactory. The terms and conditions of the training will be governed by TCSL's training policy. TCSL reserves the right to modify or amend the training policy.

If you remain unauthorizedly absent for a consecutive period of 3 days during the training programme, you shall be deemed to have abandoned your traineeship and your name will automatically stand discontinued from the list of TCS Xperience trainees without any further intimation/separate communication to you.

4. Working Hours

Your working hours are governed by applicable law. You may be required to work in shifts and/or over time depending upon the business exigencies as permitted by law.

5. Mobility

TCSL reserves the right to transfer you at any of its offices, work sites, or associated or affiliated companies in India or outside India, on the terms and conditions as applicable to you at the time of transfer.

6. Compensation Structure / Salary components

The compensation structure/salary components are subject to change as per TCSL's compensation policy from time to time at its sole discretion.

7. Increments and Promotions

Your performance and contribution to TCSL will be an important consideration for salary increments and promotions. Salary increments and promotions will be based on TCSL's Compensation and Promotion policy.



8. Alternative Occupation / Employment

Either during the period of your traineeship or during the period of your employment as a confirmed employee of TCSL, you are not permitted to undertake any other employment, business, assume any public or private office, honorary or remunerative, without the prior written permission of TCSL.

9. Confidentiality Agreement

As part of your acceptance of this appointment as an employee with TCS you are required to maintain strict confidentiality of the intellectual property rights protected information and other business information of TCS and its clients which may be revealed to you by TCS or which may in the course of your engagement with TCS come your possession or knowledge unless specifically authorized to do so in writing by TCS. This Confidentiality Clause shall survive the termination or earlier determination of this Appointment. The detailed Confidentiality related terms and conditions are set out in Annexure 3.

10. Service Agreement

As TCSL will be incurring considerable expenditure on your training, you will be required to execute an agreement, to serve TCSL for a minimum period of 1 year after joining, failing which, you (and your surety) will be liable to pay TCSL ₹50,000/-towards the training expenditure. Service agreement duration of one year refers to continuous service of 12 months from date of joining TCSL and excludes the duration of Leave without pay (LWP) and/or unauthorized absence, if any.

11. Overseas International Assignment Agreement

If you are on international assignment, you will be covered by the TCS India Policy-International Assignments (from India to other Countries) from the date of placement for an international assignment. Accordingly, you will be required to sign the Overseas International Assignment Agreement/s and any other applicable related documents pertaining to the international assignment for which you are being placed. In case of every international assignment that exceeds 30 days, you will be required to serve TCSL as per the Notice Period clause mentioned below.

This is to ensure that the knowledge and information gained by you during your assignment is shared and available to TCSL and its associates. This transfer of knowledge and information is essential for TCSL to continue to serve its clients and customers better. If you are deputed internationally for training, you will be required to sign an agreement to serve TCSL for a minimum period of 6 months on completion of training.

12. Terms and Conditions

The above terms and conditions are specific to India and there can be changes to the



said terms and conditions in case of deputation on international assignments.

13. TATA Code of Conduct

You are required to sign the TATA Code of Conduct and follow the same in your day-to-day conduct as an associate of TCSL.

14. Notice Period

During your tenure with TCSL, either you or TCSL may terminate your traineeship / employment under this Agreement by providing 90 days written notice. The company reserves the right, to ask you to complete the notice period or adjust the earned vacation in lieu of entire or partial notice period. If your services, behaviour and/ or performance are not found satisfactory, TCSL may terminate your services by giving notice as mentioned herein above. No notice or payment in lieu thereof shall be applicable if your services are discontinued/terminated on account of any misconduct either during your traineeship period or upon completion of the traineeship period.

You will be liable to pay TCSL ₹50,000/- in case you fail to serve TCSL for a minimum period of 1 year after joining in accordance with the Service Agreement clause.

If you are covered under International Assignment Agreement, either you or TCSL can terminate the traineeship/appointment by giving 90 calendar days written notice as set out in the Separation Policy of TCSL. TCSL reserves the right if it is in the interest of the business and current assignment, to ask you to complete your notice period.

15. Retirement

You will retire from the services of TCSL on reaching your 60th birthday as per the proof of age submitted by you at the time of joining.

16. Pre-employment Medical Certificate

You are required to submit a Medical Certificate of Fitness (in the format prescribed by TCSL) which needs to be verified by a registered medical practitioner having a minimum qualification of MBBS to the Induction Coordinator.

17. Employment of Non Indian Citizens

In case, you are not a citizen of India, this offer is subject to your obtaining a work permit and / or any other permissions and / or documentation as prescribed by the Government of India.

18. Background Check

Your association with TCSL will be subject to a background check in line with TCSL's background check policy. A specially appointed agency will conduct internal and external



background checks. Normally, such checks are completed within one month of joining. If the background check reveals unfavourable results, you will be liable to disciplinary action including termination of traineeship/service without notice.

19. Submission of Documents

Please note that you should initiate and complete the upload of mandatory documents on the nextstep portal as soon as the offer letter is accepted (subject to availability of the documents)

Please carry the below listed **Original** Documents for verification on your joining day.

- Permanent Account Number (PAN) Card - You are required to submit a copy of your PAN card along with other joining forms, immediately on joining. As per Indian Income Tax rules, the PAN number is a mandatory requirement for processing salary
- Aadhaar Card
- Standard X and XII/Diploma mark sheets & Certificate
- Degree certificate/Provisional Degree Certificate and mark sheets for all semesters of Graduation
- Degree certificate and mark sheets for all semesters of your Post Graduation(if you are a Postgraduate)
- Overseas Citizenship of India (applicable if you are not an Indian Nationality). For Srilankan Refugee, a Refugee Identity card along with Work Permit is required
- Birth Affidavit on Rs100 stamp paper, if Birth Certificate not in English
- Any other affidavits on Rs100 stamp paper if applicable (name affidavit for multiple names, signature affidavits, address affidavits etc.)
- Passport / Acknowledgement letter of passport application
- Gap/Break in career affidavit on Rs100 stamp paper, if gap is more than 6 months
- 4 passport sized photographs
- Medical Certificate (Should be made on the format provided by TCS along with the Joining letter)
- An affidavit/notarized undertaking (Non-Criminal Affidavit, should be made on the format provided by TCSL) stating :
 - *There is no criminal offence registered/pending against you
 - *There is no disciplinary case pending against you in the university
- If you were employed, a formal Relieving letter & Experience letter from your previous employer

The original documents will be returned to you after verification.

In addition to the above original documents, Please carry Xerox copies of the below



documents

- *PAN Card (Permanent Account Number)
- *Aadhaar Card (Not applicable for Nepal & Bhutan Citizenship)
- *Passport
- *NSR E-Card

20. TCS Xperience Program

On joining TCSL, you will be given the benefit of formal training (TCS Xperience Program) at our offices, as identified, for such period as TCSL may decide.

The said training forms a critical part of your employment with TCSL and is an ongoing process. TCSL continues to make investment on training and continuing education of its professionals. This will be of immense value to you as a professional and a large part of the ownership and commitment has to come from you.

As TCSL progresses with these initiatives, monitoring performance will be an ongoing process and a formal evaluation will be carried out during the training. If you are requested to join TCSL inspite of you not completing the Xplore proctored assessment, you will be provided Xplore training on premise and the above said evaluation process will stand good. The evaluation criteria which will be very transparent will be used as a basis for allocating people to projects/roles. We would request that the training be taken very seriously to enable you to add maximum value to your professional and personal growth.

21. Letter of Appointment

You will be issued a letter of appointment at the time of your joining and after completing joining formalities as per TCSL policy.

22. Rules and Regulations of the Company

Your appointment will be governed by the policies, rules, regulations, practices, processes and procedures of TCSL as applicable to you and the changes therein from time to time. The changes in the Policies will automatically be binding on you and no separate individual communication or notice will be served to this effect. However, the same shall be communicated on internal portal/Ultimatix.

23. Compliance to all clauses

You should fulfill all the terms and conditions mentioned in this letter of offer. Failure to fulfill one or more of the terms and conditions and/or failure to clear one or more tests successfully would entitle TCSL to withdraw this offer letter anytime at its sole discretion.

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10

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**Withdrawal of Offer**

If you fail to accept the offer from TCSL within 7 days, it will be construed that you are not interested in this employment and this offer will be automatically withdrawn.

Post acceptance of TCSL Offer letter if you fail to join on the date provided in the TCSL Joining letter, the offer will stand automatically terminated at the discretion of TCSL.

We look forward to having you in our global team

Yours Sincerely,

For TATA Consultancy Services Limited

K Ganesan
Global Head Talent Acquisition & AIP



[Click here](#) or use a QR code scanner from your mobile to validate the offer letter

Encl: Annexure 1: Benefits and Gross Salary
Annexure 2: List of TCS Xplore Centres
Annexure 3: Confidentiality and IP Terms



GROSS SALARY SHEET

Annexure 1

Name	Vishal Janarath Kadam
Designation	Assistant System Engineer-Trainee
Institute Name	Saveri'S College Of Engineering, Pandharpur

Table 1: Compensation Details (All Components in INR)

Component Category	Monthly	Annual
1) Fixed Compensation		
Basic Salary	10,200	1,22,400
Bouquet Of Benefits #	13,000	1,56,000
2) Performance Pay**		
Monthly Performance Pay	1,700	20,400
Quarterly Variable Allowance*	600	7,200
3) City Allowance	200	2,400
4) Annual Components/Retirals		
Health Insurance***	NA	7,900
Provident Fund	1,224	14,688
Gratuity	490	5,887
Total of Annual Components & Retirals	1,715	28,475
Retention Incentive	NA	0
TOTAL GROSS	27,415	3,36,875
Xplore/ Learning Incentive****		Upto 60,000

Refer to Table 2 for TCSL defined Structure. In case, you wish not to restructure your BoB, TCSL defined Structure as given in Table 2 will be applicable.

* Amount depicted will be paid-out on a quarterly basis upon successful completion of the TCS Xplore Programme.

**The Performance Pay is applicable upon successful completion of the TCS Xplore Programme.

*** For HIS - Note that Rs. 7900 if the employee is Single. If the employee is married or married with Children then Rs. 3,900/- per beneficiary needs to be added to the above mentioned amount.

**** Xplore/ Learning Incentive is paid over and above the CTC during first year, based on your performance in TCS Xplore Program. Table 2: TCSL defined structure for BoB (All Components in INR)

Component Category	Monthly	Annual
House Rent Allowance	4,080	48,960
Leave Travel Assistance	850	10,200
Food Card	500	6,000
Personal Allowance	7,570	90,840
GROSS BOUQUET OF BENEFITS	13,000	1,56,000

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12

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Annexure 2

Ahmedabad Lead – ILP Tata Consultancy Services Limited, Garima Park,IT/ITES SEZ,Plot # 41, Gandhinagar - 382007	Bangalore Lead - ILP Tata Consultancy Services Limited, Gate 1, No 42, Think campus, Electronic City phase II, Bangalore - 560100,Karnataka
BUBANESHWAR Lead – ILP Tata Consultancy Services Limited, Barabati, IRC Block, Ground Floor, (UNIT-II) - BARBATI SEZ, IT/ITES SPECIAL ECONOMIC ZONE (SEZ),PLOT NO. 35, CHANDAKA INDUSTRIAL ESTATE, PATIA, Bhubaneswar - 751024	Chennai Lead – ILP Tata Consultancy Services Limited, 415/21-24, Kumaran Nagar, Old Mahabalipuram Rd, TNHB, Sholinganallur, Chennai, Tamil Nadu 600119
DELHI – Gurgaon Lead - ILP Tata Consultancy Services Limited, Block C, Kings Canyon, ASF Insignia, Gurgaon - Faridabad Road, Gawal Pahari, Gurgaon - 122003, Haryana	DELHI – Noida Lead - ILP Tata Consultancy Services Limited, Plot No. A-44 & A-45, Ground, 1st to 5th Floor & 10th floor, Galaxy Business Park, Block - C & D, Sector - 62, Noida - 201 309,UP
Guwahati Lead – ILP Tata Consultancy Services Limited, 5th Floor, NEDFI House, G.S. Road, Dispur, Guwahati - 781006,Assam	Hyderabad Lead - ILP Tata Consultancy Services Limited, Q City, Nanakramguda, Hyderabad,
INDORE Lead - ILP Tata Consultancy Services Limited, IT/ITES SEZ, Scheme No. 151 & 169-B, Super Corridor, Village Tigariya Badshah & Bada Bangarda, Tehsil Hatod, Indore - 452018, Madhya Pradesh	KOLKATA Lead - ILP Tata Consultancy Services Limited, Ecospace 1B building, 2nd Floor, Plot - IIF/12, New Town, Rajarhat, Kolkata - 700160, West Bengal OR Auditorium,2nd Floor, Wanderers Building, Delta Park - Lords
KOCHI Lead - ILP Tata Consultancy Services Limited, Infopark Road Infopark Campus, Infopark , Kakkanad, Kerala 682042	MUMBAI Lead - ILP Tata Consultancy Services Limited, Yantra Park, Pokharan Road Number 2, TCS Approach Rd, Thane West, Thane, Maharashtra - 400606
NAGPUR Lead - ILP Tata Consultancy Services Limited, Mihan-Sez, Nagpur, Telhara, Maharashtra 441108,	PUNE Lead - ILP Tata Consultancy Services Limited, Plot No. 2 & 3, MIDC-SEZ, Rajiv Gandhi Infotech Park, Hinjewadi Phase III, Pune - 411057,Maharashtra
Trivandrum Lead – ILP Tata Consultancy Services Limited, Peepul Park, Technopark Campus ,Kariyavattom P.O. Trivandrum - 695581	



Annexure 3

Confidentiality and IP Terms and Conditions

Confidentiality and IP Terms and Conditions - Annexure 3:

1. Confidential Information

"Confidential Information" shall mean all Inventions and Know-how, information and material of TCS (including for avoidance of doubt any Confidential Information of its Clients) that comes into the possession or know of the Associate and shall include the following:

(a) Any and all information processing programs, software, properties, items, information, data, material or any nature whatsoever or any parts thereof, additions thereto and materials related thereto, produced or created at any time by TCS or the Associate in the course of or in connection with or arising out of the Associate's association with TCS. Program/Software shall mean source code and/or machine instructions wherever resident and on whatever media and all related documentation and software,

(b) All other information and material of TCS relating to design, method of construction, manufacture, operation, specifications, use and services of the TCS equipment and components, including, but not limited to, engineering and laboratory notebooks, reports, process data, test data, performance data, inventions, trade secrets, systems, software, object codes, source codes, copyrighted matters, methods, drawings, computations, calculations, computer programs, narrations, flow charts and all documentation therefore and all copies thereof (including for avoidance of doubt any such material belonging to the Clients of TCS).

(c) Corporate strategies and other confidential and proprietary material and information, which could cause competitive harm to TCS if disclosed,

(d) Customer and prospective customer lists, and

(e) All other information and material, which may be created, developed, conceived, gathered or collected or obtained by the Associate in the course of or arising out of the association with TCS or while in or in connection with or for the purposes of his/her association with TCS or any of the operations and entrusted by TCS to the Associate.



2. Associate's Obligations

Associate agrees to treat the Confidential Information as strictly confidential and a trade secret of TCS. Associate agrees not to use, or cause to be used, or disclose or divulge or part with either directly or indirectly the Confidential Information for the benefit of or to any third parties except for or on behalf of or as directed or authorized by TCS or to a person having a valid contract with or need under TCS, any Confidential Information. Upon termination of employment, the Associate agrees to surrender to TCS all Confidential Information that he or she may then possess or have under his or her control.

3. Intellectual Property Rights

Associate agrees and confirms that all intellectual property rights in the Confidential Information shall at all times vest in and remain with or belong to TCS and Associate shall have no right title or claim of any nature whatsoever in the Confidential Information. Associate shall promptly disclose to an authorized officer of TCS all inventions, ideas, innovations, discoveries, improvements, suggestions, or reports and enhancements made, created, developed, conceived or devised by him or her arising out of his or her engagement with TCS, including in the course of provision of services to the Clients of TCS and Associate hereby agrees and confirms that all such intellectual property rights shall at all times vest in and remain vested in TCS and agrees to transfer and assign to TCS any interests Associate may have in such intellectual property rights including any interest in and to any domestic or foreign patent rights, trademarks, trade names copyrights and trade secret rights therein and any renewals thereof. On request of TCS, Associate shall execute from time to time, during or after the termination of his or her employment, such further instruments, including without limitations, applications for letters of patent, trademarks, trade names and copyrights or assignments thereof, as may be deemed necessary or desirable by TCS to perfect the title of TCS in the intellectual property rights and to effectuate the provisions hereof. All expenses of filing or prosecuting any application for patents, trademarks, trade names, or copyrights shall be borne solely by TCS, but Associate shall co-ordinate in filing and / or prosecuting any such applications. Associate hereby expressly waives any "artist's rights" or "moral rights", which Associate might otherwise have in such intellectual property rights.



4. Prior knowledge

Associate acknowledges that prior to his or her appointment by TCS, he or she had no knowledge of the Confidential Information of TCS and that such Confidential Information is of a confidential and secret character and is vital to the continued success of TCS's business. Associate further acknowledges that he or she is associated with TCS in a capacity in which he or she will become acquainted with all or part of such Confidential Information. In order to safeguard the legitimate interests of TCS in such Confidential Information, it is necessary for TCS to protect such Confidential Information by holding it secret and confidential.

5. Use of third party material

Associate expressly agrees that it shall not in the course of his or her association with TCS and while working on the premises or facilities of TCS or its Clients or in connection with the development of any intellectual property rights or work for or on behalf of TCS, use any third party material or intellectual property rights except those intellectual property rights provided by TCS or expressly authorised by TCS or without having proper authorisation or license or approval of the respective owner of such intellectual property rights.

6. Security policies and Guidelines.

Associate agrees to abide by and be bound by any and all policies, documents, guidelines and processes including IP, Security and Confidentiality of TCS in force from time to time whether expressly endorsed or not.

7. Restriction on Associate's Rights

Associate agrees that he or she shall not make, have made, replicate, reproduce, use, sell, incorporate or otherwise exploit, for his or her own use or for any other purpose, any of the Confidential Information including intellectual properties of TCS that is or may be revealed to him or her by TCS or which may in the course of his or her employment with TCS come into his or her possession or knowledge unless specifically authorized to do so in writing by TCS.

8. No License

TCS and Associate agree that no license under any patent or copyright now existing or hereafter obtained by TCS is granted, agreed to be granted, or implied by the terms of this Agreement, or by the disclosure to Associate of the Confidential Information.



9. Equitable Rights

Associate acknowledges that any Confidential Information that comes into the possession and / or knowledge of Associate is of a unique, highly confidential and proprietary nature. It is further acknowledged by Associate that the disclosure, distribution, dissemination and / or release by Associate of the Confidential Information without the prior written consent of TCS or any breach of this Agreement by Associate will cause TCS to suffer severe, immediate and irreparable damage and that upon any such breach or any threat thereof, TCS shall without prejudice to any other remedies available to it, be entitled to appropriate equitable relief including the relief of specific performance and injunctive relief, in addition to whatever remedies it might have at law.

10. General

(a) The provisions hereof shall be interpreted, determined and enforced in accordance with the laws of India.

(b) In the event of any dispute or disagreement over the interpretation of any of the terms herein contained or may claim or liability of any party including that of surety, the same shall be referred to a person to be nominated by TCS, whose decision shall be final and binding upon the parties hereto. Subject to the above, the arbitration shall be governed by the Arbitration and Conciliation Act, 1999 or any modifications or re-enactment thereof. Associate confirms that the fact that the arbitrator shall be a nominee of TCS shall not be a ground for objecting to such arbitration or challenging the decision of the arbitrator. The venue of arbitration shall be Mumbai. Subject to the above arbitration clause, the Parties agreed to the binding jurisdiction of the Courts at Mumbai under the laws of India.

(c) If any provision hereof shall be found by a judicial tribunal to be contrary to governing law, it shall be deemed null and void without annulling or rendering invalid the remainder of the Agreement and if the invalid portion is such that the remainder cannot be sustained without it, the Parties herein shall find a suitable replacement to the invalid portion that shall be legally valid.

(d) This Confidentiality clause along with other documents executed by Associate or referenced in any such documents constitutes the entire understanding between the parties and supersedes all prior agreements and understandings pertaining to the subject matter thereof. No delay or omission of either Party in exercising or enforcing any of their rights or remedies hereunder shall constitute a waiver thereof.



(e) This Confidentiality clause may not be amended except in writing signed by authorized representatives of both parties.

(f) The obligations of Associate in terms of this Confidentiality clause shall continue during the term of or in the course of the employment of the Associate with TCS and shall continue thereafter in perpetuity.

Date: 19th Nov '19

Letter of Intent

Dear **Hemant Dilip Bhosale**,

Thank you for participating in our selection process. We are pleased to offer you the position of '**Client Acquisition Manager**' on the following terms and conditions:

1. Your compensation on a cost to company basis will be **Rs.306,040** (Details of which you can find below).

Client Acquisition Manager		
Grade: E1	Level: Junior Executive	Band: B2
Details of Remuneration		Annual Amount (Rs.)
Basic (Includes Employee PF Contribution)		180,000
HRA		60,320
Performance Allowance		27,480
Statutory Bonus		7,000
Gross Salary		2,74,800
Employer's Contribution for PF		21,600
Employer's Contribution for Health Insurance		1,000
Gratuity (As per Act)		8,640
CTC		3,06,040

- **CTC of Rs.1,54,402/- during initial period of 3 months from Date of Joining and thereafter the above-mentioned CTC will be applicable.**
 - Performance Allowance is based on the achievement of your respective Goals will be paid on monthly basis.
 - The service agreement will be of 1 Year with training cost of Rs. 75,000; duly recoverable in case of not completing the set tenure.
 - The notice period applicable to you would be **1 Month**.
2. This appointment will be subject to you being found medically fit.
 3. This appointment stands valid subject to your provided information about yourself, work ex, Marks & qualifications.

Received

H.D. Bhosale

Bhosale. Hemant. Dilip

4. This Company shall have the rights to terminate your service without notice and without assigning any reason thereof, if the information given by you at the time of interview or in the application form is found to be incorrect, or in case of any serious misconduct.
5. You will be required to produce your original certificates/ documents and submit photocopies of your Pan Card, Driving License, Medical Clearance Certificate, Mark sheets, Permanent Address Proof, Local Address Proof, work-ex certificate, last 3 months Salary Slip while collecting your appointment Letter.
6. Organization is also providing food facility at the office which includes breakfast and lunch on all working days. The total cost of the facility is Rs 3000 out of which Rs 1800 is paid by employee and Rs 1200 is paid by the employer. This is a mandatory benefit for all employees.
7. Kindly confirm your acceptance of this offer by signing and returning a copy of this letter by **20th Nov 2019**, henceforth, the offer will be forfeited.

We look forward to your joining our team for a long, successful and pleasant association.

Regards,

Gaurav Garg
Head - HR
CapitalVia Global Research Limited

To,
Ruturaj Deshmukh
GreyAtom ID: GREYATOM237

4th February, 2020

Subject: Offer Letter - Letter of Intent

Dear Student,

We are pleased to inform you that you are admitted to GreyAtom's Mentorship program after the Selection Process. Commencement Date would be confirmed to you shortly.

Upon acceptance of this letter you will sign an agreement with GreyAtom that states that GreyAtom will train you for 6 months & help you get placed as a **"Web Developer - Front-end Engineering"**. You will not be entitled to pay GreyAtom until you get placed with a salary of INR 4,00,000.

Note:

- The Student is liable to start making payments once the Student starts earning an Annual Income of **INR 4,00,000** /- or more.
- This Letter of Intent is valid for 6 weeks from the Date of Issuance
- Your Mentoring sessions will start after you have submitted a signed copy of the Income Sharing Agreement (ISA).

Please note that this letter is just to record the intent of admitting you to GreyAtom's program and not an actual employment offer and nor is it a legally binding offer/contract of employment.

The content of this letter are strictly confidential. Please treat this letter and the contents hereof as personal and confidential.

This letter is valid subject to:

1. Your age being 18 years or older.
2. You holding a Bachelor's Degree from an accredited institution.
3. You must be eligible to legally work in India for at least 1 year following graduation.
4. You must be able to pass any background checks associated with jobs.
5. You comply with the "Program Guidelines" as outlined in the agreement.

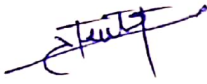
This letter is also contingent upon us working to get you a job as a Web Developer - Front-end Engineering with a salary compensation of **INR 4,00,000**. GreyAtom will train you for a period of six (6) months, including two (2) months of career service training. This duration does not include any cooling period, sabbatical or any breaks taken whatsoever.

You will be required to sign a separate agreement, by way of which you agree to obediently go through the period of training (6 months). Such agreement will also form part of your engagement terms with GreyAtom.

You will continuously be assessed during your training. If you do not complete the classroom training and the projects to our satisfaction GreyAtom owns the right to terminate your admission. Any agreement between you and GreyAtom will automatically expire if you fail to respond to this letter in writing/email on or before the end of 3 days from its date of issuance.

Your Mentoring sessions will start after you have submitted a signed copy of the Income Sharing Agreement (ISA).

We welcome you to GreyAtom family and are really excited to work with you.

For GreyAtom Edutech Private Limited	I hereby declare my intent to join
Mayuresh Shilotri	 [X]
Mayuresh Shilotri - Co-founder - GreyAtom	Ruturaj Deshmukh

To,

MR. SACHIN RAMCHANDRA GOSAVI
A/P KHARDI,
TAL.PANDHARPUR,
DIST.SOLAPUR 413317

Dear Sir,

This has reference to the interview you had with us at SVERI, PANDHARPUR, on 13.01.2020 , we are pleased to inform you, that you have been shortlisted as Graduate Engineer Trainee in our organization.

Please note that:

1. Your training will be for a period of **ONE YEAR** from the date of your joining.
2. Your appointment will be subject to medical fitness as declared by medical officer of Bharat Forge Ltd.
3. Your appointment will be valid only if you pass Degree with aggregate (Average of all 8 semesters) 60 % marks.
4. You are required to bring following documents at the time of joining without fail:
 - Original and photocopy of SSC Certificate / School Leaving Certificate
 - Original and photocopy of all Diploma Mark Sheets. (If applicable)
 - Original and photocopy of HSC Certificate.
 - Original and photocopy of all BE Mark Sheets.
 - Original and photocopy of Degree passing certificate.
 - 4 copies of colored passport size photographs.
 - Original and photocopy of PAN Card.
 - Original and photocopy of Aadhar Card (with Full Date of Birth).
 - Original and photocopy of Blood Group certificate.
 - Original and photocopy of Passport.
5. On fulfilling requirements from point no. 2 and 3, detailed appointment letter describing terms and conditions of employment will be issued to you at the time of joining.
The exact date of joining will be intimated to you in due course of time.

Thanking you,

Yours faithfully,
For BHARAT FORGE LTD.

(Dr. S. V. Bhawe)
Director – HR & IR



KALYANI
GROUP COMPANY

BHARAT FORGE LIMITED, MUNDHWA, PUNE 411 036, MAHARASHTRA, INDIA.
PHONE : +91 20 6704 2777 FAX : +91 20 2682 0699 (Export), 2682 2387 (Sales/Mktg) 2682 2163 (Materials)
Website : www.bharatforge.com
CIN No. L25209PN1961PLC012046

Received.

Sachin
22/02/2020

To,

MR. BALAJI VITTHAL LANDAGE
AT:KHONDLA,POST:HAWARGAON,
TAL:KALAMB,
DIST:OSMANABAD

Dear Sir,

This has reference to the interview you had with us at SVERI, PANDHARPUR, on 13.01.2020 , we are pleased to inform you, that you have been shortlisted as Graduate Engineer Trainee in our organization.

Please note that:

1. Your training will be for a period of **ONE YEAR** from the date of your joining.
2. Your appointment will be subject to medical fitness as declared by medical officer of Bharat Forge Ltd.
3. Your appointment will be valid only if you pass Degree with aggregate (Average of all 8 semesters) **60 % marks.**
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The exact date of joining will be intimated to you in due course of time.

Thanking you,

Yours faithfully,
For BHARAT FORGE LTD.

S. V. Bhavé
(Dr. S. V. Bhavé)
Director – HR & IR



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CIN No. L25209PH1961PLC012046

Received
[Signature]
22/2/2020