



JAYAWANT SHIKSHAN PRASARAK MANDAL'S
Jayawantrao Sawant College of Engineering

(Approved by AICTE, New Delhi, Govt of Maharashtra and Affiliated to University of Pune)

Id.No. : PU/PN/Engg./199/(2004)

S. No.58, Handewadi Road, Hadapsar, Pune - 411028

Ph. :8484897374 Telefax : 020-26970880

Email : principal@jspmjscoe.edu.in

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Prof.Dr.T.J.Sawant
 D.E.E., B.E.(Electrical), MISTE,Ph.D
FOUNDER SECRETARY

Dr. Rajendra D. Kanphade
 M.E. Ph.D. (Electronics Engg.)
 LMISTE, FIETE, SMIEEE
Principal

SPPU SYLLABUS AND STRUCTURE

Savitribai Phule Pune University
Faculty of Science and Technology



Syllabus for

T.E (Electronics & Telecommunication Engineering)

(Course 2019)

(w.e.f. June 2021)

Savitribai Phule Pune University, Pune
T.E. (Electronics & Telecommunication Engineering) 2019 Course
 (With effect from Academic Year 2021-22)

Semester-VI

Course Code	Course Name	Teaching Scheme (Hours/Week)			Examination Scheme and Marks					Credit				
		Theory	Practical	Tutorial	In-Sem	End-Sem	TW	PR	OR	Total	TH	PR	TUT	Total
304192	Cellular Networks	03	-	-	30	70	-	-	-	100	03	-	-	03
304193	Project Management	03	-	-	30	70	-	-	-	100	03	-	-	03
304194	Power Devices & Circuits	03	-	-	30	70	-	-	-	100	03	-	-	03
304195	Elective-II	03	-	-	30	70	-	-	-	100	03	-	-	03
304196	Cellular Networks Lab	-	02	-	-	-	-	-	50	50	-	01	-	01
304197	Power Devices & Circuits Lab	-	02	-	-	-	-	50	-	50	-	01	-	01
304198	Elective-II Lab	-	02	-	-	-	-	25	-	25	-	01	-	01
304199	Internship**	-	-	-	-	-	100	-	-	100	-	-	-	04
304200	Mini Project	-	04	-	-	-	25	-	50	75	-	02	-	02
304191 B	Mandatory Audit Course 6 ⁴	-	-	-	-	-	-	-	-	-	-	-	-	-
Total		12	10	00	120	280	125	75	100	700				
Total Credit											12	05	04	21

Abbreviations:

In-Sem: In semester

End-Sem: End semester

TH: Theory

TW: Term Work

PR: Practical

OR: Oral

TUT: Tutorial

Note: Students of T.E. (Electronics & Telecommunications) have to opt any one of the audit course from the list of audit courses prescribed by BoS (Electronics & Telecommunications Engineering)

Elective -II

- 1) Digital Image Processing
- 2) Sensors in Automation
- 3) Advanced JAVA Programming
- 4) Embedded Processors
- 5) Network Security



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CO formation

COURSE OUTCOMES

C311.1	Utilize the components of system software for implementation of assembler and macro processor
C311.2	Understand system software concepts as linker, loader and compilers
C311.3	Classify the Operating Systems with the knowledge of its fundamentals.
C311.4	Infer concurrency controls in OS
C311.5	Evaluate different memory management schemes
C311.6	Illustrate the IO and file management policies.



Class: TE - A Subject: PROJECT MANAGEMENT [304193] A.Y. 2021-22 (SEM-II)

Assessment Tools

COs	Assessment tool	Threshold level and Target set	Attainment levels (AL)		
C309.1	Internal test	average marks or 40% whichever is greater as threshold value			
	Assignment				
	Course End survey				
C309.2	Internal test		average marks or 40% whichever is greater as threshold value		
	Assignment			Then Total attainment levels are	
	Course End survey			$40 \leq AL1 < 50$	
C309.3	Internal test			average marks or 40% whichever is greater as threshold value	$50 \leq AL2 < 60$
	Assignment				$60 \leq AL3 \leq 100$
	Course End survey				
C309.4	Internal test	Target set = 60%			
	Assignment				
	Course End survey				
C309.5	Internal test		Target set = 60%		
	Assignment				
	Course End survey				
C309.6	Internal test			Target set = 60%	
	Assignment				
	Course End survey				



PO-PSO-attainment

JSPM's Jayawantrao Sawant College of Engineering, Hadapsar, Pune-28																																			
Department of Electronics and Telecommunication Engineering																																			
Class: TE-A Subject :Project Management [304193] A.Y. 2021-22 (SEM-II)																																			
PO-PSO - attainment																																			
YEAR	COURSE	COURSE CODE	COURSE OUTCOMES	Co Attainment (Internal)	SPPU Attainment (External)	Total Attainment	Attainment Level	PO1		PO2		PO3		PO4		PO5		PO6		PO7		PO8		PO9		PO10		PO11		PO12		PSO4			
								M	A	M	A	M	A	M	A	M	A	M	A	M	A	M	A	M	A	M	A	M	A	M	A	M	A	M	A
2021-22	Project Management	304193	C309.1	11.11	52.78	40	1	2	0.67	1	0.33	-	-	-	-	-	-	-	2	0.67	-	-	-	-	2	0.67	2	0.67	1	0.33	1	0.33			
			C309.2	46.53	52.78	51	2	2	1.33	1	0.67	-	-	-	-	1	0.67									2	1.33	2	1.33	1	0.67	2	1.33	1	0.67
			C303.3	51.67	52.78	52	2	2	1.33	1	0.67	-	-	-	-							1	0.67	-	-	2	1.33	2	1.33	1	0.67	1	0.67		
			C309.4	55.83	52.78	54	2	2	1.33	1	0.67	-	-	-	-			2	1.33							2	1.33	2	1.33	2	1.33	1	0.67	1	0.67
			C309.5	55.56	52.78	54	2	2	1.33	1	0.67					2	1.33	1	0.67	2	1.33					2	1.33	2	1.33	2	1.33	1	0.67	1	0.67
			C309.6	52.15	52.78	53	2	2	1.33	1	0.67							3	2.00					1	0.67	2	1.33	2	1.33	1	0.67	2	1.33		
Average								2	1.22	1	0.61	-	-	-	-	1.5	1.00	2	1.17	1.5	1.00	1	0.67	2	1.22	2	1.22	1.3	0.83	1.3	0.83	1	0.67		

Enriched CO PO Mapping													CO-PSO Mapping			
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
C309.1	2	1	-	-		2			2	2	1	1				
C309.2	2	1	-	-	1				2	2	1	2				1
C303.3	2	1	-	-			1		2	2	1	1				
C309.4	2	1	-	-		2			2	2	2	1				1
C309.5	2	1	-	-	2	1	2		2	2	2	1				1
C309.6	2	1	-	-	0	3	1	2	2	2	1	2				
Avg.	2	1	-	-	1.5	2	1.5	1	2	2	1.3	1.3	0	0	0	1

Enriched CO PO Attainment													CO-PSO Attainment			
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
CO303.1	0.67	0.33	-	-	-	0.67	-	-	0.67	0.67	0.33	0.33	-	-	-	-
CO303.2	1.33	0.67	-	-	0.67		-	-	1.33	1.33	0.67	1.33	-	-	-	0.67
CO303.3	1.33	0.67	-	-			0.67	-	1.33	1.33	0.67	0.67	-	-	-	
CO303.4	1.33	0.67	-	-		1.33			1.33	1.33	1.33	0.67	-	-	-	0.67
CO303.5	1.33	0.67			1.33	0.67	1.33		1.33	1.33	1.33	0.67				0.67
CO303.6	1.33	0.67				2.00		0.67	1.33	1.33	0.67	1.33				
Avg.	1.22	0.61	-	-	1.00	1.17	1.00	0.67	1.22	1.22	0.83	0.83				0.67



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Total attainment

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Department of Electronics and Telcommunication Engineering							
Class: TE-A		Subject :Project Management [304193]			A.Y. 2021-22 (SEM-II)		
Total Course Attainment							
COURSE NAME	COURSE CODE	Internal		External		Total Attainment	attainment level
		Weightage 30%		Weightage 70%			
		Actual % of Avg internal CO Att	Weight	Students scored more than 50% in SPPU exam	Weight		
PM	304193	43.31	0.3	52.78	0.7	49.94	1

Signature of the Director/Principal
Principal
 JSPM'S Jayawantrao Sawant
 College of Engineering,
 Hadapsar, Pune - 28.