



# AKHIL BHARATIYA MARATHA SHIKSHAN PARISHAD'S ANANTRAO PAWAR COLLEGE OF ENGINEERING & RESEARCH



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Approved by AICTE & Govt. of Maharashtra, Affiliated to Savitribai Phule Pune University  
**NAAC ACCREDITED**, DTE CODE - EN 6794, AISHE CODE - C-41484  
Savitribai Phule Pune University Identification No. PU/PN/Engg. / 441/2012

Anantrao Pawar College of engineering and Research, Pune offered 6 Under Graduate and 2 Post Graduate programs and courses under the Faculty Science and Technology of Savitribai Phule Pune University. For these programs and courses, the institute followed the curriculum designed by our affiliated university. The Programme outcomes (POs), Programme specific outcomes (PSOs) and Course outcomes (Cos) are evaluated by the institution and the same are communicated to the students in the formal way of the discussion in the classroom and departmental notice board.

After measuring attainment of POs, PSOs and COs, it has been observed that the strength of the students as well as passing percentage of the students is increasing progressively. Besides, students' progression to the higher studies that is from Under Graduate to Post Graduate seems to be increasing consistently and rapidly in the last five years.

In a similar way, the ratio of students' placement is also increasing. We took utmost care of measuring the level of attainment of POs, PSOs and COs and followed formal as well as informal mechanism for the measurement of attainment of the outcomes. Even we took feedback from all the stakeholders in this respect and try to take necessary steps accordingly.

Subsequently, the institute took care of the attainment to measure the POs, PSOs and COs and implemented the mechanism as follows:-

- The institute followed the Academic Calendar of our affiliated university.
- All the subject teachers maintained Academic Diary in every academic year.
- All the subject teachers prepared Semester-Wise evaluation Reports.
- Internal examination committee analyzed evaluation reports of results.
- Institute considered Feedback from the Stakeholders for the attainment of PO, PSO and CO.
- Placement committee took the review of the Students' Progression to Higher Studies and their Placement.

The Program outcomes of Bachelor of Engineering are as follows:

PO1: The students understood the fundamentals of science and engineering.

PO2: The students' knowledge in engineering and research is enriched.

PO3: Interdisciplinary approach amongst students has been developed.

PO4: Sense of scientific, technological responsibilities, social and environmental awareness have been inculcated among the students.

PO5: Students built-up a progressive and successful career in academics, industry and research.

PO6: Students are motivated to contribute in the development of Nation and community. Attainments of CO's are calculated by using university examination results. Attainment levels are finalized at institute level and conveyed to IQAC. The attainment level of each CO is computed by setting weights as follows:

Weight	1	2	3	4
	40%	41-52%	53-64%	65% and above
<b>Benchmark</b>	Number of students securing below	Number of students securing above	Number of students securing above	Number of students securing

The averages attainment of COs of each course is mapped to POs & PSOs. Sample sheets attainment of COs, PSOs and POs for B.E is uploaded on institute website.



**Principal**  
Anantrao Pawar College of Engineering  
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Internal Assessment Sheet CO PO ATTAINMENT  
 Program:-S.E. AI&DS  
 Sem:-4

Course / Course Code: Data Structure & Algorithm /210253

Assessment Tools	30 Marks																				70 Marks				Activity(5)	Assign (5)	Uni. Exam	
	Unit Test																				Prelim							
	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q1 or Q2	Q3 or Q4	Q5 or Q6	Q7 or Q8				
Max. Marks	1	1	1	1	1	2	2	1	2	2	2	1	1	1	1	2	2	2	2	2	18	17	18	17	5	5	100	
CO Mapped	CO1	CO1	CO1	CO1	CO1	CO1	CO1	CO1	CO1	CO1	CO1	CO2	CO2	CO2	CO2	CO2	CO2	CO2	CO2	CO2	CO3	CO4	CO5	CO6	CO1CO2CO3C04C05C06	CO1CO2CO3C04C05C06	CO1CO2CO3C04C05C06	
Roll List	Marks Scored																											
7201	1	1	1	1	1	2	2	1	2	2	2	2	1	1	1	1	0	2	2	2	2	26	25	26	9	5	5	62
7202	1	1	1	1	1	2	2	2	1	2	2	2	1	1	0	1	2	2	2	2	18	19	20	10	5	5	62	
7203	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	9	32	10	5	5	56		
7204	1	1	0	0	1	0	2	2	2	0	2	0	1	1	1	0	0	2	2	2	22	15	6	6	5	5	55	
7205	1	1	0	1	1	2	2	1	2	2	2	2	1	1	0	1	2	2	2	2	16	14	17	18	5	5	66	
7206	1	1	1	1	1	2	2	2	1	2	2	2	1	1	1	1	2	2	2	2	16	10	22	10	5	5	50	
7207	1	1	1	1	1	2	2	2	1	2	2	2	0	1	0	1	0	0	2	2	12	14	29	10	5	5	61	
7208	1	1	1	1	0	2	2	1	2	2	2	2	0	1	1	1	2	2	2	2	9	10	12	15	5	5	61	
7209	1	1	1	1	1	2	2	2	2	2	2	0	1	1	1	2	2	2	2	2	8	18	6	17	5	5	74	
7211	1	1	1	1	1	2	2	2	1	2	2	2	1	1	1	1	2	2	2	2	16	10	21	10	5	5	65	
7212	1	1	1	1	1	0	2	1	2	2	2	2	1	1	1	1	0	2	2	2	8	0	0	0	5	5	59	
7213	1	1	0	1	1	2	2	2	2	2	2	0	1	1	1	2	2	2	2	2	29	13	10	12	5	5	40	
7214	1	1	1	1	1	2	2	1	2	2	2	0	1	1	1	2	2	2	2	2	0	0	0	0	5	5	57	
7215	0	1	0	0	1	0	2	1	2	0	2	0	1	1	1	0	0	2	2	2	8	10	0	10	5	5	40	
7216	1	1	1	1	1	2	2	1	2	2	2	2	1	1	1	1	2	2	2	2	23	0	16	15	5	5	70	
7217	1	1	0	1	1	2	2	1	2	2	2	2	0	0	1	1	0	0	2	2	10	7	18	14	5	5	53	
7218	1	1	1	1	1	2	2	1	2	2	2	2	1	1	1	1	2	2	2	2	18	12	10	18	5	5	60	
7219	1	1	1	1	1	2	2	1	2	2	2	2	1	1	1	1	2	2	2	2	18	12	10	10	5	5	0	
7220	1	1	1	0	1	2	2	1	2	2	2	2	0	1	1	1	0	2	2	2	23	18	11	10	5	5	63	



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CO/PO	CO-PO Mapping & extent of corelation											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
SEAIDSCO01	2	1	2	1	-	-	-	-	-	-	-	-
SEAIDSCO02	1	2	-	-	-	-	-	-	-	-	-	-
SEAIDSCO03	2	-	-	-	-	-	-	-	-	-	-	-
SEAIDSCO04	-	2	-	-	-	-	-	-	-	-	-	-
SEAIDSCO05	2	-	1	1	-	-	-	-	-	-	-	-
SEAIDSCO06	1	1	1	1	-	-	-	-	-	-	-	-
SEAIDSDSA	2	2	2	1	-	-	-	-	-	-	-	-


CO/PO	Attainment	PO attainment through CO											
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
SEAIDSCO01	3	2	1	2	1	-	-	-	-	-	-	-	-
SEAIDSCO02	2.9455	0.9818	1.9636	-	-	-	-	-	-	-	-	-	-
SEAIDSCO03	2.52	1.68	-	-	-	-	-	-	-	-	-	-	-
SEAIDSCO04	2.5333	-	1.6889	-	-	-	-	-	-	-	-	-	-
SEAIDSCO05	2.475	1.65	-	0.825	0.825	-	-	-	-	-	-	-	-
SEAIDSCO06	2.4479	0.816	0.816	0.816	0.816	-	-	-	-	-	-	-	-
SEAIDSDSA	SUBJECT	1.42556	1.36712	1.21365	0.88	-	-	-	-	-	-	-	-

CO/PO	CO-PSO Correlation				CO-PSO Attainment				
	PSO1	PSO2	PSO3	PSO4	CO/PO	PSO1	PSO2	PSO3	PSO4
SEAIDSCO01	1	2	1	1	SEAIDSCO01	3	2.945	2.52	2.533
SEAIDSCO02	1	2	2	1	SEAIDSCO02	2.945	2.52	2.533	2.475
SEAIDSCO03	1	2	1	1	SEAIDSCO03	2.52	2.533	2.475	2.448
SEAIDSCO04	1	2	3	1	SEAIDSCO04	2.533	2.475	2.448	2.533
SEAIDSCO05	1	2	2	2	SEAIDSCO05	2.475	2.448	2.52	2.533
SEAIDSCO06	1	2	2	2	SEAIDSCO06	2.448	2.945	2.52	2.533
SEAIDSDSA	1	2	3	2	SEAIDSDSA	3	2.945	2.533	2.533

  
Subject Teacher



  
Head of Department

  
Principal  
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