

**PAAVAI ENGINEERING COLLEGE
(Autonomous)**

DEPARTMENT OF AERONAUTICAL ENGINEERING

REGULATION 2016(CO ATTAINMENT)

BATCH: 2018-2022

Sem ester	Course code	Course Name	Target	CO1	CO2	CO3	CO4	CO5	
I	C101	MA16101	Matrices and Calculus	50	48	36	42	43	45
	C102	EN16101	Technical English I	50	53.2	56.4	58.8	61	59
	C103	PH16101	Engineering Physics I	50	60	63.1	60.1	54.2	61.3
	C104	CH16101	Engineering Chemistry I	50	60.2	59.3	57.4	59.2	52.3
	C105	ME16104	Engineering Graphics	50	51.3	51.2	41.2	45.3	42.3
	C106	EE16101	Basic Electrical & Electronics Engineering	50	51.2	46.9	55.3	54.3	57.1
	C107	PC16101	Physics and Chemistry Laboratory - I	50	72	75	78	65	NA
	C108	AE16101	Basic Aero modeling Laboratory	50	73	75	81	NA	NA
	C109	GE16101	Engineering Practices Laboratory	50	64.3	76.3	70	74	NA
II	C110	MA16201	Differential Equations and Complex Analysis	50	42	36.2	34.7	29.5	26.3
	C111	EN16201	Technical English II	50	54.3	58.2	52.3	54.9	53.6
	C112	PH16202	Applied Physics	50	60.1	58.6	55.3	59.3	49.2
	C113	CH16201	Engineering Chemistry II	50	57.2	58.3	54	51.3	45.3
	C114	CS16201	Computer Programming	50	62.1	60.7	64.2	57.1	52.3
	C115	ME16201	Engineering Mechanics	50	61.3	65.2	62.8	57.2	45.3
	C116	PC16201	Physics and Chemistry Laboratory – II	50	72.5	68.2	74.3	68	NA
	C117	CS16202	Computer Programming Laboratory	50	60	64	58	70	65
	C118	EN16202	English Communication Skills Laboratory	50	62.3	65	60.3	61	62.1
III	C201	MA16301	Transforms And Boundary Value Problems	50	50.7	52.3	60.2	51.4	49.7
	C202	AE16301	Aircraft Materials and Manufacturing Technology	50	62.6	60.2	59.4	48.6	45.2
	C203	AE16302	Basics of Aeronautical Engineering	50	55.3	59.5	52.3	48.2	51
	C204	AE16303	Fluid Mechanics and Machinery	50	62	61.3	65	66.3	56
	C205	AE16304	Solid Mechanics	50	73.5	66.1	75.6	72	65
	C206	AE16305	Thermodynamics and Heat Transfer	50	86	82	78	78	55.2
	C207	AE16306	Fluid Mechanics and Machinery Laboratory	50	83.5	80.5	82.3	84.6	82
	C208	AE16307	Strength of Materials Laboratory	50	75	77	79.2	82	NA
	C209	AE16308	Thermodynamics Laboratory	50	76	76.3	78.5	79	NA
IV	C210	MA16404	Numerical Methods	50	62.6	60.2	59.4	48.6	45.2
	C211	AE 16401	Aerodynamics	50	57.2	55.2	52.1	55.3	58.2
	C212	AE 16402	Aircraft Propulsion	50	51.2	52.3	51.2	50.3	55.2
	C213	AE 16403	Aircraft Structures I	50	44.2	47.2	51.2	56.3	50.2
	C214	AE 16404	Aircraft Systems and Instrumentations	50	62	58.2	57.2	61	52
	C215	CH16403	Environmental Science and Engineering	50	53.2	50.9	55.2	57	56.3
	C216	AE 16405	Aerodynamics Laboratory	50	80	75	84.2	78.2	NA
	C217	AE 16406	Aircraft Structures Laboratory - I	50	71	72	58	62	NA
	C218	EN 16401	Business English Course Laboratory	50	74.3	72	78.4	82.3	63.2

V	C301	AEI6501	Gas Dynamics	50	53	55.2	57.3	54.2	54.3
	C302	AEI6502	Aircraft General Engineering and Maintenance Practices	50	59.3	58.6	54.3	62.3	60.4
	C303	AEI6503	Aircraft Structures – II	50	52.1	55.6	57.2	51.5	59.7
	C304	AEI6504	Aircraft Performance	50	48.6	51.6	53.2	54.1	58.3
	C305	AEI6505	Rocket Propulsion	50	61.8	63.2	67.2	62	58
	C306	AEI6151	Principles of UAV and MAV	50	54	52.3	58.6	57.9	53.2
	C307	AEI6506	Aircraft Structures -II Laboratory	50	71	74	72.1	75	NA
	C308	AEI6507	Propulsion laboratory	50	74.3	72.1	75	79	NA
	C309	ENI6501	Carrier Development Laboratory-I	50	73.8	65.8	62.5	82.6	78.2
VI	C310	AEI6601	Computational Fluid Dynamics	50	58	61.5	60.7	61.9	55
	C311	AEI6602	Aircraft Stability and Control	50	52	58.3	59.1	65.8	54.9
	C312	AEI6603	Theory of Vibrations	50	60.2	56.3	51	54.2	51.07
	C313	BAI6254	Principles of Management	50	58.2	54.2	52.5	57.2	54.3
	C314	AEI6254	Wind Tunnel Techniques	50	65.3	68.4	65.8	71.2	58.3
	C315	AEI6903	Aircraft Safety	50	54	58.2	59.8	56.2	55
	C316	AEI6604	Aero CAD and CAM Laboratory	50	82	80	76	NA	NA
	C317	AEI6605	Aircraft Engine and Structures Repair Laboratory	50	65.2	66.4	68.2	NA	NA
	C318	ENI6601	Career Development Laboratory-II	50	67.8	87.6	81.3	NA	NA
VII	C401	AEI6701	Finite Element Method	50	72.08	64	60.4	48.48	71
	C402	AEI6702	Aircraft Design	50	54.2	57.9	59.3	60.2	56.3
	C403	AEI6703	Aero Engine Repair and Maintenance	50	42.6	48.9	44.2	45.3	51
	C404	AEI6704	Avionics	50	65.9	55.2	41.2	79.2	68.8
	C405	AEI6351	Cryogenic Engineering	50	58.6	52	59.2	54.9	51
	C406	AEI6905	Introduction to Aviation	50	62	63.5	64.2	62.3	60.1
	C407	AEI6705	Avionics and Aircraft Systems Laboratory	50	80	82.3	75.2	76	NA
	C408	AEI6706	Aircraft Design Project	50	75.9	74.8	76	81	NA
	C409	AEI6707	Comprehension and Technical Seminar	50	88	85	84.2	85	NA
	C410	AEI6801	Rockets and Missiles	50	73.8	62.5	64	63.2	73
	C411	AEI6802	Composite Materials and Structures	50	71	68.4	71.2	58.5	64.3
VIII	C412	BAI6451	Entrepreneurship Development	50	58.2	67.2	61.2	68.5	65.8
	C413	AEI6803	Project Work	50	82	79.2	84.3	81.2	NA


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