



APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Thiruvananthapuram, Kerala, INDIA

B.Tech S5 (R,S) Exam Dec. 2019

Course wise Pass Percentage Report

Course Name and Code	Registered Count	Passed Count	Failed Count	Passed Percentage	Failed Percentage
AERODYNAMICS II(AO301)	186	96	90	51.61	48.39
AIRCRAFT STRUCTURES II(AO303)	221	68	153	30.77	69.23
FLIGHT MECHANICS(AO305)	160	101	57	63.13	35.62
AIRCRAFT GENERAL ENGINEERING AND MAINTENANCE PRACTICES(AO307)	149	108	41	72.48	27.52
EXPERIMENTAL STRESS ANALYSIS(AO309)	160	106	54	66.25	33.75
AIRCRAFT MODELLING FUNDAMENTALS(AO363)	24	15	9	62.5	37.5
NON-DESTRUCTIVE TESTING(ME367)	5809	4772	1023	82.15	17.61
NUMERICAL PROGRAMMING(AO367)	30	20	10	66.67	33.33
DESIGN PROJECT(AO341)	130	128	2	98.46	1.54
AIRFRAME PRODUCTION AND MAINTENANCE LAB(AO331)	130	129	1	99.23	0.77
AIRCRAFT STRUCTURAL ANALYSIS LAB(AO333)	130	129	1	99.23	0.77
PRINCIPLES OF MANAGEMENT(HS300)	13242	11734	1502	88.61	11.34
CONTROL SYSTEM(AE301)	516	339	176	65.7	34.11
ELECTRICAL MEASUREMENTS AND MEASURING INSTRUMENTS(AE303)	464	349	114	75.22	24.57
MICROPROCESSORS & MICROCONTROLLERS(AE305)	541	334	206	61.74	38.08
SIGNALS AND SYSTEMS(AE307)	577	317	259	54.94	44.89
VIRTUAL INSTRUMENT DESIGN(AE361)	149	86	63	57.72	42.28
DIGITAL SYSTEM DESIGN(EC361)	610	400	209	65.57	34.26
VLSI CIRCUIT DESIGN(AE363)	92	73	19	79.35	20.65
INSTRUMENTATION FOR AGRICULTURE(AE365)	236	196	40	83.05	16.95
DESIGN PROJECT(AE341)	415	407	8	98.07	1.93
MICROPROCESSORS & MICROCONTROLLERS LAB(AE331)	415	410	5	98.8	1.2
ELECTRICAL ENGINEERING LAB(EA337)	415	403	12	97.11	2.89
SOFT COMPUTING(EC360)	1118	962	156	86.05	13.95
MACHINE DESIGN I(ME307)	204	94	110	46.08	53.92
METALLURGY & MATERIAL SCIENCE(ME309)	194	107	87	55.15	44.85

MANUFACTURING PROCESSES(ME311)	162	121	41	74.69	25.31
ELECTRICAL DRIVES & CONTROL FOR AUTOMATION(EE311)	9352	4748	4571	50.77	48.88
VEHICLE BODY ENGINEERING(AU307)	149	130	19	87.25	12.75
ALTERNATIVE FUELS AND ENERGY SOURCES(AU361)	100	81	19	81	19
AUTOMOTIVE POLLUTION AND TESTING(AU365)	28	26	2	92.86	7.14
TRIBOLOGY(ME369)	307	247	57	80.46	18.57
DESIGN PROJECT(AU341)	229	228	1	99.56	0.44
HEAT ENGINES LAB(ME333)	229	228	1	99.56	0.44
PRODUCTION ENGINEERING LAB(ME335)	130	130	0	100	0
TWO AND THREE WHEELERS(AU402)	28	23	5	82.14	17.86
BIOMEDICAL SIGNALS & SYSTEMS(BM301)	247	188	58	76.11	23.48
BIOSENSORS & TRANSDUCERS(BM303)	231	182	49	78.79	21.21
ADVANCED MICROPROCESSORS & MICROCONTROLLERS(BM305)	246	196	50	79.67	20.33
HOSPITAL ENGINEERING(BM307)	229	204	25	89.08	10.92
COMMUNICATION TECHNIQUES(BM361)	111	87	23	78.38	20.72
PRINCIPLES OF ERGONOMIC DESIGN(BM363)	95	87	8	91.58	8.42
BIOINFORMATICS(BM365)	2	1	1	50	50
DESIGN PROJECT(BM341)	221	221	0	100	0
MEDICAL ELECTRONICS LAB(BM331)	221	221	0	100	0
MICROPROCESSORS& MICROCONTROLLERS LAB(BM333)	221	221	0	100	0
MASS TRANSFER OPERATIONS(BT301)	227	151	73	66.52	32.16
CHEMICAL AND BIOLOGICAL REACTION ENGINEERING(BT303)	227	151	76	66.52	33.48
CELLULAR AND MOLECULAR BIOLOGY(BT305)	194	149	45	76.8	23.2
BIOPROCESS INSTRUMENTATION(BT307)	212	148	64	69.81	30.19
ENZYME ENGINEERING AND TECHNOLOGY(BT309)	199	163	36	81.91	18.09
ANIMAL AND PLANT CELL BIOTECHNOLOGY(BT361)	185	152	33	82.16	17.84
METABOLIC ENGINEERING AND SYNTHETIC BIOLOGY(BT363)	17	16	1	94.12	5.88
PROTEOMICS AND PROTEIN ENGINEERING(BT365)	1	0	1	0	100
TISSUE ENGINEERING AND STEM CELLS(BT367)	6	0	6	0	100
DESIGN PROJECT(BT341)	188	188	0	100	0
BIOCHEMICAL ENGINEERING LAB(BT331)	188	188	0	100	0

SOFTWARE LAB(BT333)	188	188	0	100	0
ENVIRONMENTAL ENGINEERING(CH301)	373	338	35	90.62	9.38
MASS TRANSFER OPERATIONS I(CH303)	412	317	95	76.94	23.06
CHEMICAL REACTION ENGINEERING I(CH305)	424	311	113	73.35	26.65
ENERGY ENGINEERING(CH361)	227	201	26	88.55	11.45
PRINCIPLES OF NANO MATERIALS AND NANO TECHNOLOGY(CH363)	48	41	7	85.42	14.58
POLYMER TECHNOLOGY(CH365)	17	17	0	100	0
NUMERICAL METHODS FOR PROCESS ENGINEERS(CH367)	86	80	6	93.02	6.98
DESIGN PROJECT(CH341)	362	360	2	99.45	0.55
HEAT TRANSFER OPERATIONS LAB(CH331)	362	361	1	99.72	0.28
CHEMICAL REACTION ENGINEERING LAB(CH333)	362	360	2	99.45	0.55
DESIGN OF CONCRETE STRUCTURES I(CE301)	7420	5484	1923	73.91	25.92
STRUCTURAL ANALYSIS II(CE303)	7582	4968	2607	65.52	34.38
GEOTECHNICAL ENGINEERING II(CE305)	7539	5344	2182	70.88	28.94
GEOMATICS(CE307)	7863	5570	2277	70.84	28.96
WATER RESOURCES ENGINEERING(CE309)	7829	5084	2735	64.94	34.93
ADVANCED CONCRETE TECHNOLOGY(CE361)	3285	2397	881	72.97	26.82
GEOTECHNICAL INVESTIGATION(CE363)	686	589	97	85.86	14.14
FUNCTIONAL DESIGN OF BUILDINGS(CE365)	303	245	58	80.86	19.14
WATER CONVEYANCE SYSTEMS(CE367)	1	0	1	0	100
DISASTER MANAGEMENT(CE369)	759	691	67	91.04	8.83
ENVIRONMENT AND POLLUTION(CE371)	2052	1680	372	81.87	18.13
ADVANCED MECHANICS OF MATERIALS(CE373)	29	29	0	100	0
DESIGN PROJECT(CE341)	6483	6463	19	99.69	0.29
MATERIALS TESTING LAB II(CE331)	6484	6443	40	99.37	0.62
GEOTECHNICAL ENGINEERING LAB(CE333)	6483	6437	45	99.29	0.69
THEORY OF COMPUTATION(CS301)	6565	4992	1565	76.04	23.84
SYSTEM SOFTWARE(CS303)	6516	4893	1616	75.09	24.8
MICROPROCESSORS AND MICROCONTROLLERS(CS305)	7336	5478	1849	74.67	25.2
DATA COMMUNICATION(CS307)	6627	4906	1719	74.03	25.94
GRAPH THEORY AND COMBINATORICS(CS309)	6533	5604	919	85.78	14.07
SOFT COMPUTING(CS361)	6322	4671	1649	73.88	26.08

SIGNALS AND SYSTEMS(CS363)	100	61	39	61	39
OPTIMIZATION TECHNIQUES(CS365)	148	97	51	65.54	34.46
LOGIC FOR COMPUTER SCIENCE(CS367)	234	174	59	74.36	25.21
DIGITAL SYSTEM TESTING & TESTABLE DESIGN(CS369)	22	22	0	100	0
DESIGN PROJECT(CS341)	5666	5647	18	99.66	0.32
SYSTEM SOFTWARE LAB(CS331)	5668	5634	33	99.4	0.58
APPLICATION SOFTWARE DEVELOPMENT LAB(CS333)	5668	5637	30	99.45	0.53
POWER GENERATION, TRANSMISSION AND PROTECTION(EE301)	4519	2889	1622	63.93	35.89
LINEAR CONTROL SYSTEMS(EE303)	4342	2560	1770	58.96	40.76
POWER ELECTRONICS(EE305)	4755	2597	2144	54.62	45.09
SIGNALS AND SYSTEMS(EE307)	5264	2658	2576	50.49	48.94
MICROPROCESSOR AND EMBEDDED SYSTEMS(EE309)	4631	2957	1664	63.85	35.93
OBJECT ORIENTED PROGRAMMING(EE361)	151	138	13	91.39	8.61
COMPUTER ORGANIZATION AND ARCHITECTURE(EE363)	65	45	20	69.23	30.77
DIGITAL SYSTEM DESIGN(EE365)	60	49	11	81.67	18.33
NEW AND RENEWABLE ENERGY SYSTEMS(EE367)	3032	2242	788	73.94	25.99
HIGH VOLTAGE ENGINEERING(EE369)	822	579	243	70.44	29.56
DESIGN PROJECT(EE341)	3584	3575	9	99.75	0.25
DIGITAL CIRCUITS AND EMBEDDED SYSTEMS LAB(EE331)	3584	3565	19	99.47	0.53
ELECTRICAL MACHINES LAB II(EE333)	3584	3536	48	98.66	1.34
DIGITAL SIGNAL PROCESSING(EC301)	5380	3601	1767	66.93	32.84
APPLIED ELECTROMAGNETIC THEORY(EC303)	5508	3216	2267	58.39	41.16
MICROPROCESSORS & MICROCONTROLLERS(EC305)	5159	3403	1742	65.96	33.77
POWER ELECTRONICS & INSTRUMENTATION(EC307)	4860	3310	1544	68.11	31.77
OPTIMIZATION TECHNIQUES(EC363)	102	88	14	86.27	13.73
BIOMEDICAL ENGINEERING(EC365)	3286	2078	1204	63.24	36.64
DESIGN PROJECT(EC341)	4198	4188	10	99.76	0.24
DIGITAL SIGNAL PROCESSING LAB(EC333)	4201	4189	12	99.71	0.29
POWER ELECTRONICS & INSTRUMENTATION LAB(EC335)	4200	4186	14	99.67	0.33
CEREALS & LEGUME TECHNOLOGY(FT301)	109	101	8	92.66	7.34

UNIT OPERATIONS IN FOOD PROCESSING(FT303)	110	83	27	75.45	24.55
FOOD PROCESS ENGINEERING(FT305)	113	99	14	87.61	12.39
FOOD ANALYSIS(FT307)	115	106	9	92.17	7.83
DESIGN PROJECT(FT341)	109	109	0	100	0
UNIT OPERATIONS IN FOOD LAB(FT331)	109	109	0	100	0
FOOD ANALYSIS AND QUALITY EVALUATION LAB I(FT333)	109	109	0	100	0
FOOD PRODUCT DESIGN AND DEVELOPMENT(FT365)	27	25	2	92.59	7.41
NON THERMAL PROCESSING OF FOOD(FT369)	87	84	3	96.55	3.45
MANUFACTURING TECHNOLOGY(ME220)	122	94	28	77.05	22.95
OPERATION MANAGEMENT(IE301)	63	53	10	84.13	15.87
MACHINE TOOLS & DIGITAL MANUFACTURING(ME303)	7870	5517	2342	70.1	29.76
OPERATIONS RESEARCH(IE303)	67	48	19	71.64	28.36
WORK STUDY & ERGONOMICS(IE305)	62	60	2	96.77	3.23
DESIGN PROJECT(IE341)	62	62	0	100	0
MACHINE TOOLS LAB(ME337)	109	109	0	100	0
WORK STUDY & ERGONOMICS LAB(IE331)	62	62	0	100	0
MANAGEMENT OF PROJECTS(IE361)	34	31	3	91.18	8.82
SOFTWARE ARCHITECTURE & DESIGN PATTERNS(IT301)	593	437	154	73.69	25.97
THEORY OF COMPUTATION(IT303)	620	300	317	48.39	51.13
OPERATING SYSTEMS(IT305)	596	389	205	65.27	34.4
COMPUTER NETWORKS(IT307)	652	383	269	58.74	41.26
DESIGN PROJECT(IT341)	518	511	7	98.65	1.35
MICROCONTROLLER LAB(IT331)	518	513	5	99.03	0.97
DATABASE LAB(IT333)	518	511	7	98.65	1.35
GRAPH THEORY(IT361)	49	29	20	59.18	40.82
UNIX SHELL PROGRAMMING(IT363)	113	78	35	69.03	30.97
COMPUTER GRAPHICS & MULTIMEDIA(IT367)	425	310	115	72.94	27.06
RANDOM PROCESS AND QUEUING THEORY(MA361)	24	23	1	95.83	4.17
MICROCONTROLLERS LAB(IC331)	73	69	4	94.52	5.48
FLUID MEASUREMENTS LAB(IC333)	73	73	0	100	0
CONTROL ENGINEERING I(IC301)	91	62	29	68.13	31.87
MICROPROCESSORS(IC303)	81	66	15	81.48	18.52
SIGNALS AND SYSTEMS(IC305)	97	77	20	79.38	20.62
INDUSTRIAL INSTRUMENTATION I(IC307)	83	65	18	78.31	21.69
MACHINES AND DRIVES(IC309)	93	72	21	77.42	22.58
DESIGN PROJECT(IC341)	73	68	5	93.15	6.85

NUMERICAL METHODS(IC361)	44	41	3	93.18	6.82
ENVIRONMENTAL INSTRUMENTATION AND SAFETY(IC363)	37	29	8	78.38	21.62
MECHANICS OF MACHINERY(ME301)	8322	4615	3691	55.46	44.35
COMPUTER PROGRAMMING & NUMERICAL METHODS(ME305)	7938	6066	1859	76.42	23.42
DESIGN PROJECT(ME341)	6559	6511	48	99.27	0.73
ELECTRICAL AND ELECTRONICS LAB(EE335)	6561	6451	110	98.32	1.68
MANUFACTURING TECHNOLOGY LAB I(ME331)	6562	6505	57	99.13	0.87
ADVANCED FLUID MECHANICS(ME361)	38	23	13	60.53	34.21
COMPOSITE MATERIALS AND MECHANICS(ME363)	269	238	29	88.48	10.78
ADVANCED METAL CASTING(ME365)	254	198	56	77.95	22.05
NUCLEAR ENGINEERING(ME371)	198	175	22	88.38	11.11
HUMAN RELATIONS MANAGEMENT(ME373)	732	609	123	83.2	16.8
AUTO TRANSMISSION(AU301)	109	89	20	81.65	18.35
FUELS AND COMBUSTION(AU303)	103	61	42	59.22	40.78
VEHICLE MAINTENANCE(AU305)	114	83	31	72.81	27.19
HEATING, VENTILATING & AIR CONDITIONING (HVAC)(AU309)	106	95	11	89.62	10.38
COMPUTER PROGRAMMING LAB(AU333)	99	99	0	100	0
VEHICLE BODY ENGINEERING(AU367)	78	72	6	92.31	7.69
METAL FORMING TECHNOLOGY(MP301)	205	167	38	81.46	18.54
THEORY OF METAL CUTTING(MP305)	137	101	36	73.72	26.28
DESIGN PROJECT(MP341)	194	193	1	99.48	0.52
MACHINE TOOLS LAB II(MP331)	194	193	1	99.48	0.52
MECHANICAL ENGINEERING LAB(ME339)	123	123	0	100	0
FACILITIES PLANNING AND PLANT LAYOUT(MP361)	133	122	11	91.73	8.27
MICROPROCESSORS AND MICROCONTROLLERS LAB(MR331)	100	99	1	99	1
METROLOGY AND PLC LAB(MR333)	100	99	1	99	1
LINEAR CONTROL SYSTEMS(MR301)	120	72	48	60	40
MICROPROCESSORS AND MICROCONTROLLERS(MR303)	113	75	38	66.37	33.63
PLC AND DATA ACQUISITION SYSTEMS(MR305)	113	84	29	74.34	25.66
THERMODYNAMICS(MR307)	113	80	33	70.8	29.2
DESIGN PROJECT(MR341)	99	98	1	98.99	1.01

OBJECT ORIENTED PROGRAMMING(MR363)	13	11	2	84.62	15.38
METAL JOINING TECHNOLOGY(MT301)	16	16	0	100	0
IRON AND STEEL MAKING(MT303)	17	17	0	100	0
NON-FERROUS EXTRACTIVE METALLURGY(MT305)	16	12	4	75	25
FOUNDRY TECHNOLOGY(MT307)	16	16	0	100	0
DESIGN PROJECT(MT341)	16	16	0	100	0
WELDING LAB(MT331)	16	16	0	100	0
FOUNDRY LAB(MT333)	16	16	0	100	0
ELECTRICAL, ELECTRONIC, OPTICAL AND MAGNETIC MATERIALS(MT365)	17	14	3	82.35	17.65
SHIP DYNAMICS(SB301)	51	48	3	94.12	5.88
STRUCTURAL DESIGN OF SHIPS(SB303)	47	27	20	57.45	42.55
OFFSHORE STRUCTURES(SB305)	43	35	8	81.4	18.6
STRENGTH OF SHIPS I(SB307)	45	34	11	75.56	24.44
PROGRAMMING AND DATA STRUCTURES(SB309)	50	42	8	84	16
DESIGN PROJECT(SB341)	43	43	0	100	0
ELECTRICAL ENGINEERING LAB(EE339)	43	43	0	100	0
MARINE HYDRODYNAMICS & HYDRAULIC MACHINERIES LAB(SB331)	43	43	0	100	0
MARINE POLLUTION, CONTROL AND RECOVERY SYSTEMS(SB363)	7	7	0	100	0
INLAND WATER TRANSPORTATION(SB367)	39	29	10	74.36	25.64
PRODUCTION ENGINEERING LAB I(MP333)	71	69	2	97.18	2.82
ENTREPRENEURSHIP(MP367)	13	12	1	92.31	7.69
PLANNING AND DESIGN OF FIRE PROTECTION SYSTEMS(FS301)	48	31	17	64.58	35.42
ENGINEERING DESIGN AND DRAWING(FS303)	52	31	21	59.62	40.38
INDUSTRIAL ELECTRONICS AND SAFETY(FS305)	48	36	12	75	25
CHEMICAL TECHNOLOGY AND MECHANICAL OPERATIONS(FS307)	51	36	15	70.59	29.41
OCCUPATIONAL HEALTH AND FIRST AID(FS309)	48	48	0	100	0
DESIGN PROJECT(FS341)	47	46	1	97.87	2.13
FIRE ENGINEERING AND FIRST AID LAB(FS331)	47	47	0	100	0
FIRE DYNAMICS(FS361)	24	22	2	91.67	8.33
FOOD AND BIOSAFETY(FS363)	25	14	11	56	44
COMPUTER PROGRAMMING IN C ++(CH307)	427	291	134	68.15	31.38
BIOMEDICAL OPTICS & BIOPHOTONICS(BM367)	34	30	4	88.24	11.76

Composite Materials(MR365)	69	53	16	76.81	23.19
Thermal Engineering(MP303)	93	48	45	51.61	48.39