

UNIVERSITY OF KERALA



TRANSCRIPT OF GRADES AND MARKS

Name : MANIKANTAN R NAIR
 Programme : Bachelor of Technology (B.Tech)
 Discipline : Mechanical Engineering
 Duration of the Course : Eight Semesters (Four Years), 2014 to 2018
 Month & Year of Exam : May 2018
 Scheme : 2013
 Exam. Code : 40313803
 Candidate Code : 14441024
 Classification : First Class with Distinction
 Institution : Ace College of Engineering, Thiruvallam, Thiruvananthapuram, Kerala, India.
 University : University of Kerala, Thiruvananthapuram - 34, Kerala, India.
 (URL: www.keralauniversity.ac.in, Email: ku.controller@keralauniversity.ac.in)
 Aggregate Marks : 7016/8800
 CGPA : 8.17

- (1) Pass requirements: (i) A Candidate shall be declared to have passed a semester in full in the first appearance if he/she secure not less than 5.5 GPA with a minimum of 'E' grade for all the individual subject in that semester. (ii) A Candidate shall be declared to have passed in an individual subject of a semester examination if he/she secures grade 'E' or above. (iii) A Candidate who does not secure a full pass in a semester Examination as per clause (i) above will have to pass in all the subjects of the semester Examination as per clause (ii) above before he is declared to have passed in that semester Examination in full.
- (2) Classification: (i) First Class with Distinction: CGPA 8 or above; (ii) First Class: CGPA 6.5 or above & less than 8 [Applicable only for candidates passing all the subjects of eight semesters within five academic years (ten consecutive semesters after the commencement of his/her course of study)]. (iii) Second Class: All other successful candidates who passed the B.Tech Degree Examinations
- (3) Grade Point Average (GPA) = $\Sigma(\text{Credit}) \times \text{GP}$ obtained for the subject / $\Sigma(\text{credit for the subject})$.
- (4) Cumulative Grade Point Average (CGPA) = $\Sigma(\text{Credits for Semester} \times \text{GPA obtained for the semester}) / \Sigma(\text{credits for the semester})$.
- (5) 'Imp/Sup' means Improvement or Supplementary Examinations and 'NA' means Not Applicable.

Grade Details					
Grade	Grade Point	% of Total Marks(SM+UE)	Grade	Grade Point	% of Total Marks(SM+UE)
S	10	90% and above	C+	7	65% and above but less than 70%
A+	9	85% and above but less than 90%	C	6.5	60% and above but less than 65%
A	8.5	80% and above but less than 85%	D	6	55% and above but less than 60%
B+	8	75% and above but less than 80%	E	5.5	50% and above but less than 55%
B	7.5	70% and above but less than 75%	F	0	Below 50% for (SM+UE) / below 40% for UE (Failed)

For subject with no University Examination Letter Grade 'F' will be awarded if SM is below 50%

B.TECH DEGREE EXAMINATION (SEMESTER EIGHT OF EIGHT)

Subject Code	Subjects	Credits	Sessional Marks		University Marks			Total Marks		Letter Grade	
			Awarded	Max	Regular	Imp/Sup	Max	Awarded	Max	Regular	Imp/Sup
13801	Energy Management	3	44	50	88	N/A	100	132	150	A Plus	N/A
13802	Industrial Engineering	3	45	50	93	N/A	100	138	150	S	N/A
13803	Automobile Engineering	4	43	50	87	N/A	100	130	150	A Plus	N/A
13804	Computer Integrated Manufacturing	4	45	50	63	N/A	100	108	150	B	N/A
13805	Facilities Planning	4	47	50	79	N/A	100	126	150	A	N/A
13806	Industrial Quality Control	4	42	50	69	N/A	100	111	150	B	N/A
13807	Seminar	2	88	100	-	-	-	88	100	A Plus	N/A
13808	Project - Viva-Voce & Industrial Visit	5	86	100	92	N/A	100	178	200	A Plus	N/A
Total Marks									1011	1200	GPA : 8.62
Exam. Code : 40313803											
Month & Year : May 2018											
										Candidate Code : 14441024	
										Semester : Passed	

B.TECH DEGREE EXAMINATION (SEMESTER SEVEN OF EIGHT)

Subject Code	Subjects	Credits	Sessional Marks		University Marks			Total Marks		Letter Grade	
			Awarded	Max	Regular	Imp/Sup	Max	Awarded	Max	Regular	Imp/Sup
13701	Principles of Management and Decision Modeling	3	47	50	62	N/A	100	109	150	B	N/A
13702	Mechatronics	4	46	50	66	N/A	100	112	150	B	N/A
13703	Gas Dynamics	4	45	50	64	N/A	100	109	150	B	N/A
13704	Refrigeration & Air Conditioning	4	47	50	84	N/A	100	131	150	A Plus	N/A
13705	Design of Machine Elements - II	4	45	50	50	N/A	100	95	150	C	N/A
13706	Non-Conventional Machining Techniques	4	43	50	78	N/A	100	121	150	A	N/A
13707	Thermal Engineering Lab	2	46	50	94	N/A	100	140	150	S	N/A
13708	Mechanical Engineering Lab	2	46	50	85	N/A	100	131	150	A Plus	N/A
13709	Project and Project Seminar	2	81	100	-	-	-	81	100	A	N/A
Total Marks									1029	1300	GPA : 8.05
Exam. Code : 40313702											
Month & Year : November 2017											
										Candidate Code : 14441024	
										Semester : Passed	

B.TECH DEGREE EXAMINATION (SEMESTER SIX OF EIGHT)

Subject Code	Subjects	Credits	Sessional Marks		University Marks			Total Marks		Letter Grade	
			Awarded	Max	Regular	Imp/Sup	Max	Awarded	Max	Regular	Imp/Sup
13601	Metrology & Instrumentation	4	48	50	67	N/A	100	115	150	B Plus	N/A
13602	Dynamics of Machinery	4	45	50	94	N/A	100	139	150	S	N/A
13603	Computer Aided Design	3	48	50	83	N/A	100	131	150	A Plus	N/A
13604	Heat and Mass Transfer	4	44	50	88	N/A	100	132	150	A Plus	N/A
13605	Design of Machine Elements - I	4	44	50	53	N/A	100	97	150	C	N/A
13606	New Energy Systems	4	40	50	60	N/A	100	100	150	C Plus	N/A
13607	Computer Aided Modelling and Analysis Lab	3	49	50	85	N/A	100	134	150	A Plus	N/A
13608	Machine Tools Lab	3	48	50	93	N/A	100	141	150	S	N/A
Total Marks									989	1200	GPA : 8.48
Exam. Code : 40313603											
Month & Year : June 2017											
										Candidate Code : 14441024	
										Semester : Passed	

B.TECH DEGREE EXAMINATION (SEMESTER FIVE OF EIGHT)

Subject Code	Subjects	Credits	Sessional Marks		University Marks			Total Marks		Letter Grade	
			Awarded	Max	Regular	Imp/Sup	Max	Awarded	Max	Regular	Imp/Sup
13501	Engineering Mathematics IV	4	39	50	50	N/A	100	89	150	D	N/A
13502	Theory of Machines	4	46	50	68	N/A	100	114	150	B Plus	N/A
13503	Industrial Electronics	3	48	50	62	N/A	100	110	150	B	N/A
13504	Mechanics of Materials	4	46	50	71	N/A	100	117	150	B Plus	N/A
13505	Machine Tools	4	45	50	74	N/A	100	119	150	B Plus	N/A
13506	Environmental Science	4	50	50	83	N/A	100	133	150	A Plus	N/A
13507	Production Engineering Lab	3	44	50	93	N/A	100	137	150	S	N/A
13508	Electrical & Electronics Lab	3	48	50	96	N/A	100	144	150	S	N/A
Total Marks								963	1200	GPA : 8.22	
Exam. Code : 40313503								Candidate Code : 14441024			
Month&Year : December 2016								Semester : Passed			

B.TECH DEGREE EXAMINATION (SEMESTER FOUR OF EIGHT)

Subject Code	Subjects	Credits	Sessional Marks		University Marks			Total Marks		Letter Grade	
			Awarded	Max	Regular	Imp/Sup	Max	Awarded	Max	Regular	Imp/Sup
13401	Engineering Mathematics-III	4	47	50	49	N/A	100	96	150	C	N/A
13402	Manufacturing Process	4	49	50	60	N/A	100	109	150	B	N/A
13403	Electrical Technology	4	47	50	59	N/A	100	106	150	B	N/A
13404	Metallurgy & Material Science	4	42	50	82	N/A	100	124	150	A	N/A
13405	Fluid Machinery	4	46	50	76	N/A	100	122	150	A	N/A
13406	Machine Drawing	3	48	50	41	N/A	100	89	150	D	N/A
13407	Fluid Mechanics & Machines Lab	3	46	50	90	N/A	100	136	150	S	N/A
13408	IC Engines Lab	3	46	50	90	N/A	100	136	150	S	N/A
Total Marks								918	1200	GPA : 8	
Exam. Code : 40313403								Candidate Code : 14441024			
Month&Year : June 2016								Semester : Passed			

B.TECH DEGREE EXAMINATION (SEMESTER THREE OF EIGHT)

Subject Code	Subjects	Credits	Sessional Marks		University Marks			Total Marks		Letter Grade	
			Awarded	Max	Regular	Imp/Sup	Max	Awarded	Max	Regular	Imp/Sup
13301	Engineering Mathematics II	4	50	50	68	N/A	100	118	150	B Plus	N/A
13302	Humanities	3	47	50	63	N/A	100	110	150	B	N/A
13303	Fluid Mechanics	4	46	50	85	N/A	100	131	150	A Plus	N/A
13304	Mechanics of Solids	4	48	50	58	N/A	100	106	150	B	N/A
13305	Computer Programming and Numerical Methods	3	50	50	61	N/A	100	111	150	B	N/A
13306	Engineering Drawing	5	48	50	54	N/A	100	102	150	C Plus	N/A
13307	Thermal Engineering	4	47	50	61	N/A	100	108	150	B	N/A
13308	Civil Engineering Lab	2	47	50	98	N/A	100	145	150	S	N/A
Total Marks								931	1200	GPA : 7.86	
Exam. Code : 40313303								Candidate Code : 14441024			
Month&Year : January 2016								Semester : Passed			

B.TECH DEGREE EXAMINATION (COMBINED ONE AND TWO SEMESTER OF EIGHT)

Subject Code	Subjects	Credits	Sessional Marks		University Marks			Total Marks		Letter Grade	
			Awarded	Max	Regular	Imp/Sup	Max	Awarded	Max	Regular	Imp/Sup
13101	Engineering Mathematics-I	6	48	50	55	N/A	100	103	150	C Plus	N/A
13102	Engineering Physics	6	49	50	67	N/A	100	116	150	B Plus	N/A
13103	Engineering Chemistry	6	50	50	72	N/A	100	122	150	A	N/A
13104	Engineering Graphics	6	47	50	70	N/A	100	117	150	B Plus	N/A
13105	Engineering Mechanics	6	50	50	98	N/A	100	148	150	S	N/A
13106	Basic Civil Engineering	6	49	50	66	N/A	100	115	150	B Plus	N/A
13107	Engineering Thermodynamics	6	49	50	46	49	100	98	150	C	C Plus
13108	Basic Electrical Engineering	6	48	50	63	N/A	100	111	150	B	N/A
13109	Basic Electronics Engineering	6	50	50	59	N/A	100	109	150	B	N/A
13110	Mechanical Engineering Workshop	2	24	25	46	N/A	50	70	75	S	N/A
13111	Electrical & Electronics Engineering Workshop	2	25	25	41	N/A	50	66	75	A Plus	N/A
Total Marks								1175	1500	GPA : 8.05	
Exam. Code : 40313103, 40313104								Candidate Code : 14441024			
Month&Year : May 2015, November 2015								Semester : Passed			

Aggregate Marks	7016/8800
Aggregate Marks in words	Seven Zero One Six / Eight Eight Zero Zero
Cumulative Grade Point Average (CGPA)	8.17
Cumulative Grade Point Average (CGPA) in words	Eight * One Seven

Verified against the original records of the University of Kerala and found correct


Assistant


Section Officer


Assistant Registrar


Deputy Registrar


Joint Registrar
(Authentication Officer)

Ref EE II M



JOINT REGISTRAR
Exam-I