



Vel Tech

Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

OFFICE OF CONTROLLER OF EXAMINATIONS

ANNUAL REPORT

ACADEMIC YEAR 2018 - 19

1.0 INTRODUCTION

The Office of Controller of Examinations is responsible for the conduct of Semester End Examinations of the Institution. The examinations are conducted as per the prescribed academic calendar which contains detailed information like the date of time table notification, commencement dates for theory as well as practical examinations.

2.0. FUNCTIONING SETUP

The Office of CoE continuously thrives to refine itself in all of its day to day activities, by strictly adhering to the rules and regulations of the institution, as well as that of the regulatory authorities. Round the year the major activities include,

- Procurement and maintenance of exam stationery
- Framing the schedule of semester end examinations every semester
- Planning and organizing of internal tests
- Exam registration
- Planning, organizing and conduct of end semester practical and theory examinations
- Planning, organizing and conduct of central valuation
- Processing and Publication of results of examinations
- Printing and distribution of Grade sheets
- Recommending graduates for award of degrees
- Printing and distribution of Transcripts, Grade Cards, Provisional Degree Certificate, Consolidated Grade Statement, Degree Certificates

3.0 PROCUREMENT & UTILIZATION OF QUESTION PAPER

The question papers are procured from eligible internal and external experts well in advance before the commencement of examinations. Sufficient stock of question papers was also maintained for all the courses offered in the institution. These question papers are subjected to a scrutiny before being utilized for verifying the conformity with the prescribed syllabus. It is also worth mentioning that, the question papers have information about the Course Outcomes (CO) and the levels of Bloom Taxonomy printed on them.

4.0 RESULT ANALYSIS NOV / DEC – 2018 EXAMINATIONS

A total of 6167 students took exams for 263 courses belonging to 19 B.Tech programmes in the recently concluded Nov –Dec 2018 Examinations under the CBCS pattern.



Sl.No	Course Category	Number of courses
1.	Foundation	34
2.	Programme Core	109
3.	Programme Elective	62
4.	Allied Elective	22
5.	Institute Elective	36
Total		263

Of these 263 courses, 170 courses had Pass percentage over 60% and only 93 courses witnessed below 60%.

Sl.No	Course Category	Number of courses
1.	Foundation	12
2.	Programme Core	49
3.	Programme Elective	11
4.	Allied Elective	8
5.	Institute Elective	13
Total		93

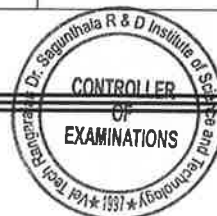
It is informed that 39 courses had student strength less than 15.

- * Apart from the CBCS pattern, under the old Regulations A & B, 263 students under-took exams for 288 courses in this semester. All the results were declared within 15 days from the last examination.
- * It is also submitted that, a total of 297 students took exams for 172 courses belonging to 24M.Tech programmes in the recently concluded Dec2018 Examinations and presently the results are being processing for early declaration.

5.0 RESULT ANALYSIS FOR MAY – 2019 EXAMINATIONS

B.Tech. - Aeronautical Engineering

Course Code	Course Name	Appeared	Pass	%	YoA
1151AE102	Engineering Mechanics	3	3	100	MAY2019
1151AE103	Strength of Materials	8	0	0	MAY2019
1151AE104	Fluid Mechanics	6	5	83.33	MAY2019
1151AE105	Aero Engineering Thermodynamics	2	0	0	MAY2019
1151AE106	Linear System Analysis	22	9	40.91	MAY2019
1151AE107	Incompressible Flow Aerodynamics	65	48	73.85	MAY2019
1151AE108	Aircraft Gas Turbine Propulsion	65	37	56.92	MAY2019

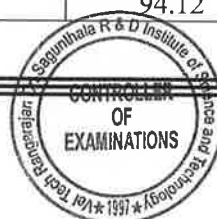


1151AE109	Airplane Performance	12	8	66.67	MAY2019
1151AE110	Compressible Flow Aerodynamics	10	4	40	MAY2019
1151AE112	Aircraft Stability and Control	43	29	67.44	MAY2019
1151AE213	Numerical Methods using MATLAB	70	66	94.29	MAY2019
1151AE215	Aircraft Structural Mechanics	62	45	72.58	MAY2019
1151AE217	Avionics	14	8	57.14	MAY2019
1151AE218	Computational Methods for Aeronautical Engineering	42	40	95.24	MAY2019
1152AE101	Aero Engine Maintenance and Structural Repair	5	5	100	MAY2019
1152AE117	Experimental Aerodynamics	26	19	73.08	MAY2019
1152AE118	Experimental Stress Analysis	17	15	88.24	MAY2019
1152AE121	Helicopter Maintenance	5	5	100	MAY2019
1152AE124	High Temperature Materials	17	16	94.12	MAY2019
1152AE135	Space Flight Mechanics	8	8	100	MAY2019
1152AE138	Theory of Vibrations	2	2	100	MAY2019
1152AE140	Turbomachinery	19	10	52.63	MAY2019
1152AE150	Applied Unconventional Energy Engineering	16	15	93.75	MAY2019
1152AE151	Aircraft Rules and Regulations - II	23	20	86.96	MAY2019
1152AE241	Data Analysis and System Identification	4	4	100	MAY2019
1153AE101	Airport Planning	45	25	55.56	MAY2019
1153AE106	Introduction to UAV	4	4	100	MAY2019
1153AE108	Additive Manufacturing	25	20	80	MAY2019
1154AE106	Structural Health Monitoring	38	36	94.74	MAY2019
1154AE111	Space Exploration	45	42	93.33	MAY2019
1154AE114	Micro Electro Mechanical Systems	31	30	96.77	MAY2019
1154AE115	Rapid Prototyping	38	38	100	MAY2019
1154AE116	Introduction to Aerial Robotics	40	32	80	MAY2019
1154AE117	Airplane Systems	29	29	100	MAY2019



B.Tech. - Automobile Engineering

Course Code	Course Name	Appeared	Pass	%	YoA
1151AU101	Engineering Mechanics	2	0	0	MAY2019
1151AU103	Strength of Materials	37	25	67.57	MAY2019
1151AU104	Manufacturing Technology	2	1	50	MAY2019
1151AU105	Mechanics of Machines	41	26	63.41	MAY2019
1151AU106	Engineering Metrology and Measurements	43	38	88.37	MAY2019
1151AU107	IC Engines	2	1	50	MAY2019
1151AU109	Vehicle Design and Data Characteristics	29	26	89.66	MAY2019
1151AU111	Vehicle Dynamics	33	26	78.79	MAY2019
1151AU112	CAD and Applied FEA	27	24	88.89	MAY2019
1151AU213	Fluid Mechanics and Machinery	3	2	66.67	MAY2019
1151AU214	Automotive Chassis	40	37	92.5	MAY2019
1151AU216	Automotive Fuels, Lubricants and Coolants	41	41	100	MAY2019
1152AU104	Engine Testing and Certification	4	4	100	MAY2019
1152AU108	Vehicle Body Engineering	12	12	100	MAY2019
1152AU114	Automotive Safety	32	30	93.75	MAY2019
1152AU118	Total Quality Management	12	10	83.33	MAY2019
1152AU133	Hydrogen Engines	2	2	100	MAY2019
1152AU134	Homogeneous Charge Compression Ignition Engines	4	3	75	MAY2019
1152AU135	Design and Optimization of Gears	4	3	75	MAY2019
1152AU136	Sustainable Fuel for Non-Conventional Engine	18	18	100	MAY2019
1153AU101	IC Engines	19	18	94.74	MAY2019
1153AU102	Automotive Transmission	9	8	88.89	MAY2019
1153AU103	Automotive	34	32	94.12	MAY2019



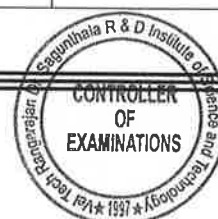
	Electrical and Electronics				
1153AU106	Automobile Engineering	52	50	96.15	MAY2019
1153AU108	Automotive Emission and Control	33	30	90.91	MAY2019
1153AU109	Fuel Conservation and Alternate Fuels	51	48	94.12	MAY2019
1153AU110	Electric and Hybrid Vehicles	66	56	84.85	MAY2019
1154AU101	Automotive Safety	56	55	98.21	MAY2019
1154AU102	Automotive Electrical and Electronics	27	23	85.19	MAY2019
1154AU104	Automobile Engineering	53	51	96.23	MAY2019

B.Tech. - Biomedical Engineering

Course Code	Course Name	Appeared	Pass	%	YoA
1151BM106	Engineering Mechanics	24	13	54.17	MAY2019
1151BM107	Bio Sensors and Transducers	22	9	40.91	MAY2019
1151BM108	Signals and Systems	25	12	48	MAY2019
1151BM109	Microprocessors and Microcontrollers	22	11	50	MAY2019
1151BM201	Pathology and Microbiology	21	15	71.43	MAY2019
1152BM101	Hospital Management	11	9	81.82	MAY2019
1152BM102	Telehealth Technology	12	11	91.67	MAY2019
1154BM101	Brain Computer Interface	19	16	84.21	MAY2019

B.Tech. - Biotechnology

Course Code	Course Name	Appeared	Pass	%	YoA
1151BT106	Cell Biology	32	29	90.63	MAY2019
1151BT108	Molecular Biology: Concepts and Applications	32	26	81.25	MAY2019
1151BT109	Bioprocess Engineering	32	24	75	MAY2019



1151BT116	Unit Operations and Transport Phenomena	30	21	70	MAY2019
1152BT107	Fermentation Technology	32	24	75	MAY2019
1154BT101	Biomaterials Engineering	6	6	100	MAY2019

B.Tech. - Civil Engineering

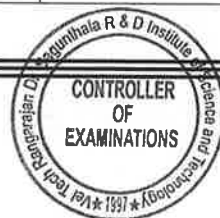
Course Code	Course Name	Appeared	Pass	%	YoA
1151CE101	Engineering Geology	1	0	0	MAY2019
1151CE102	Construction Materials	5	3	60	MAY2019
1151CE104	Engineering Mechanics	5	1	20	MAY2019
1151CE105	Fluid Mechanics	17	8	47.06	MAY2019
1151CE106	Mechanics of Solids	77	45	58.44	MAY2019
1151CE109	Design of RC Elements	51	24	47.06	MAY2019
1151CE110	Basics of Dynamics and Aseismic Design of Structures	6	2	33.33	MAY2019
1151CE111	Design of Steel Structures	46	38	82.61	MAY2019
1151CE112	Estimation and Quantity Surveying	5	3	60	MAY2019
1151CE113	Construction Material and Techniques	1	1	100	MAY2019
1151CE114	Surveying	8	1	12.5	MAY2019
1151CE116	Geotechnical Engineering - II	61	37	60.66	MAY2019
1151CE201	Strength of Materials	2	0	0	MAY2019
1151CE202	Geotechnical Engineering - I	8	4	50	MAY2019
1151CE203	Concrete Technology	1	1	100	MAY2019
1151CE205	Applied Hydraulic Engineering	80	63	78.75	MAY2019
1151CE206	Environmental Engineering	1	1	100	MAY2019
1151CE207	Concrete Technology	75	67	89.33	MAY2019
1152CE101	Structural Analysis - II	16	12	75	MAY2019
1152CE116	Construction	1	1	100	MAY2019



	Planning Scheduling and Control				
1152CE118	Project Safety Management	35	34	97.14	MAY2019
1152CE119	Repair and Rehabilitation of Structures	3	3	100	MAY2019
1152CE127	Railways, Airport, Docks and Harbour Engineering	40	35	87.5	MAY2019
1152CE130	Water Resource and Irrigation Engineering	18	17	94.44	MAY2019
1152CE131	Air Pollution Monitoring and Control	29	26	89.66	MAY2019
1152CE138	Remote Sensing and GIS	43	37	86.05	MAY2019
1152CE142	Engineering Geology	14	7	50	MAY2019
1153CE104	Remote Sensing and GIS	9	9	100	MAY2019
1153CE107	Environmental Conservation	6	6	100	MAY2019
1154CE102	Electronic Distance Measuring Methods	46	30	65.22	MAY2019
1154CE103	Construction Contracts	40	38	95	MAY2019
1154CE105	Construction Engineering	32	22	68.75	MAY2019
1154CE106	Green Technology and Smart Buildings	48	48	100	MAY2019

B.Tech. - Computer Science and Engineering

Course Code	Course Name	Appeared	Pass	%	YoA
1151CS101	Concrete Mathematics	508	462	90.94	MAY2019
1151CS102	Data Structures	890	820	92.13	MAY2019
1151CS104	Digital Electronics	198	170	85.86	MAY2019
1151CS105	System Software	156	149	95.51	MAY2019
1151CS107	Database Management Systems	320	285	89.06	MAY2019
1151CS108	Operating Systems	224	205	91.52	MAY2019
1151CS109	Theory of	619	555	89.66	MAY2019



	Computation				
1151CS110	Computer Organization and Architecture	179	170	94.97	MAY2019
1151CS111	Computer Networks	398	374	93.97	MAY2019
1151CS112	Object Oriented Software Engineering	79	77	97.47	MAY2019
1151CS114	Data Warehousing and Data Mining	291	276	94.85	MAY2019
1151CS115	Compiler Design	235	225	95.74	MAY2019
1151CS117	Java Programming	89	73	82.02	MAY2019
1151CS118	Microprocessors and Microcontrollers	345	330	95.65	MAY2019
1151CS119	Introduction to Design and Analysis of Algorithms	80	77	96.25	MAY2019
1151CS201	Mobile Application Development	310	307	99.03	MAY2019
1151CS202	Internet Programming	342	335	97.95	MAY2019
1152CS102	High Speed Networks	97	92	94.85	MAY2019
1152CS104	Ethical Hacking	106	93	87.74	MAY2019
1152CS106	Mobile Computing	106	105	99.06	MAY2019
1152CS107	Mobile Adhoc and Sensor Networks	92	89	96.74	MAY2019
1152CS119	Python Programming	167	164	98.2	MAY2019
1152CS120	Cloud Computing	117	113	96.58	MAY2019
1152CS124	Soft Computing	134	125	93.28	MAY2019
1152CS137	Artificial Intelligence	155	145	93.55	MAY2019
1152CS139	Data Science	101	101	100	MAY2019
1152CS140	Machine Learning Techniques	94	91	96.81	MAY2019
1152CS148	Modern Number Theory	91	88	96.7	MAY2019
1152CS163	Smartphone Computing	18	18	100	MAY2019
1152CS164	Reinforcement Learning	6	6	100	MAY2019
1152CS165	Cognitive Science	6	6	100	MAY2019



1152CS166	Wireless Sensor Networks	29	29	100	MAY2019
1152CS167	Computational Thinking	18	16	88.89	MAY2019
1152CS168	Wireless Body Area Networks	30	30	100	MAY2019
1152CS170	Intrusion Detection and Prevention	2	2	100	MAY2019
1152CS171	Wireless Network Security	18	18	100	MAY2019
1152CS172	Deep Learning	17	17	100	MAY2019
1152CS173	Artificial Intelligence and Fuzzy Logic	3	3	100	MAY2019
1152CS174	Green Computing	20	20	100	MAY2019
1152CS206	Statistical Methods for Data Science	52	52	100	MAY2019
1152CS209	Internet of Things	24	24	100	MAY2019
1152CS210	Big Data Analytics and Tools	28	27	96.43	MAY2019
1152CS213	Multi-Agent System Design	2	2	100	MAY2019
1152CS216	3D Animation	15	14	93.33	MAY2019
1153CS101	Basic Computer System Organization and Architecture	17	15	88.24	MAY2019
1153CS102	Operating Systems	22	18	81.82	MAY2019
1153CS103	Object Oriented Programming	40	37	92.5	MAY2019
1153CS104	Data Structures using C	43	40	93.02	MAY2019
1153CS110	Fundamentals of IoT	10	10	100	MAY2019
1154CS101	Computer Networks	38	32	84.21	MAY2019
1154CS104	Android Mobile Application Development	46	38	82.61	MAY2019
1154CS106	Data Structures	50	49	98	MAY2019
1154CS107	Fundamentals of IoT	18	16	88.89	MAY2019



B.Tech. - Electronics and Communication Engineering

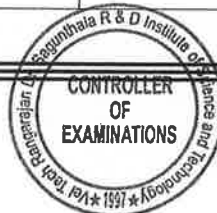
Course Code	Course Name	Appeared	Pass	%	YoA
1151EC101	Mathematics for E&C Engineers	468	365	77.99	MAY2019
1151EC102	Electric Circuit Analysis	17	4	23.53	MAY2019
1151EC103	Analog Electronics	14	0	0	MAY2019
1151EC104	Digital Electronics	16	2	12.5	MAY2019
1151EC105	Linear Integrated Circuits	13	8	61.54	MAY2019
1151EC106	Analog and Digital Control Systems	153	67	43.79	MAY2019
1151EC107	Signals and Systems	418	314	75.12	MAY2019
1151EC108	Electromagnetic Fields	322	259	80.43	MAY2019
1151EC109	Analog Communication Systems	415	312	75.18	MAY2019
1151EC110	Microprocessors and Microcontrollers	433	283	65.36	MAY2019
1151EC111	Data Communication Networks	226	181	80.09	MAY2019
1151EC112	Discrete Time Signal Processing	8	4	50	MAY2019
1151EC115	VLSI Design	209	158	75.6	MAY2019
1151EC116	Optical and Microwave Engineering	195	162	83.08	MAY2019
1151EC217	Embedded OS and Device Drivers	189	170	89.95	MAY2019
1152EC108	Biomedical Instrumentation and Imaging	36	33	91.67	MAY2019
1152EC120	Satellite Communication	40	35	87.5	MAY2019
1152EC126	Network Security	40	28	70	MAY2019
1152EC134	Signal Processing Techniques for Speech Recognition	4	4	100	MAY2019
1152EC143	Architectural Design of Digital Integrated Circuits	42	40	95.24	MAY2019
1152EC144	Solid State Devices	22	19	86.36	MAY2019
1152EC145	Nanoscale Transistors	26	23	88.46	MAY2019
1152EC146	Nanophotonics	42	40	95.24	MAY2019
1152EC147	Fiber Lasers and Applications	21	18	85.71	MAY2019



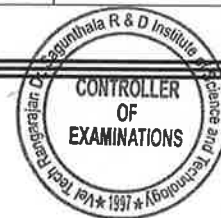
1152EC148	Video Surveillance System	39	32	82.05	MAY2019
1152EC149	Radio Over Fiber System	43	39	90.7	MAY2019
1152EC151	Next Generation Mobile Networks	19	12	63.16	MAY2019
1152EC152	ANN and Deep Learning	20	20	100	MAY2019
1152EC153	Fuzzy-Neural Systems	35	28	80	MAY2019
1152EC154	Introduction to Machine Learning	43	35	81.4	MAY2019
1152EC221	Electromagnetic Interference and Compatibility	42	40	95.24	MAY2019
1152EC224	MIMO Wireless Communication	33	30	90.91	MAY2019
1152EC242	FGPA Architecture Technologies and Tools	20	15	75	MAY2019
1152EC250	Cognitive Radio Networks	26	18	69.23	MAY2019
1153EC101	Microprocessors and Microcontrollers	14	9	64.29	MAY2019
1153EC105	Analog and Digital Communication	85	62	72.94	MAY2019
1153EC106	Wireless Communication Networks	93	59	63.44	MAY2019
1154EC104	Building Automation	13	11	84.62	MAY2019
1154EC106	Basics of Embedded Systems	24	13	54.17	MAY2019
1154EC112	Intelligent Transportation Systems	57	48	84.21	MAY2019

B.Tech. - Electrical and Electronics Engineering

Course Code	Course Name	Appeared	Pass	%	YoA
1151EE101	Circuit Analysis	3	1	33.33	MAY2019
1151EE102	Electronic Devices and Circuits	1	1	100	MAY2019
1151EE103	DC Machines and Transformers	3	3	100	MAY2019
1151EE104	AC Machines	32	25	78.13	MAY2019
1151EE105	Digital Electronics	40	29	72.5	MAY2019
1151EE106	Control Systems	40	18	45	MAY2019
1151EE107	Measurements and Instrumentation	40	38	95	MAY2019



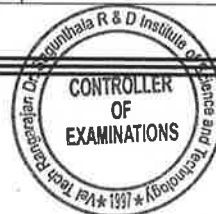
1151EE108	Transmission and Distribution	11	7	63.64	MAY2019
1151EE110	Power System Analysis	31	22	70.97	MAY2019
1151EE112	Electrical Machine Design	7	3	42.86	MAY2019
1151EE114	Discrete Time Signal Processing	38	30	78.95	MAY2019
1151EE115	Linear Integrated Circuits	36	26	72.22	MAY2019
1151EE116	Numerical Methods	39	38	97.44	MAY2019
1152EE107	Power Plant Engineering	43	39	90.7	MAY2019
1152EE115	Fundamentals of Electric and Hybrid Vehicles	15	15	100	MAY2019
1152EE143	Solar Photovoltaic Systems	14	11	78.57	MAY2019
1152EE201	Applied Soft Computing	24	18	75	MAY2019
1153EE101	Neural Network and Fuzzy Logic Control	22	22	100	MAY2019
1153EE102	Biomedical Instrumentation	177	152	85.88	MAY2019
1153EE110	Power Supply Quality	284	250	88.03	MAY2019
1153EE113	Transducers and Sensors	97	93	95.88	MAY2019
1154EE117	Computer Aided Analysis of Electrical Apparatus	47	41	87.23	MAY2019
1154EE118	Green Energy Resources	45	33	73.33	MAY2019
1154EE120	Robotics and Automation	36	32	88.89	MAY2019
1154EE122	Wind Energy Technology	43	32	74.42	MAY2019
1154EE124	Electrical Safety and Safety Management	36	33	91.67	MAY2019
1151EE101	Circuit Analysis	3	1	33.33	MAY2019
1151EE102	Electronic Devices and Circuits	1	1	100	MAY2019
1153EE110	Power Supply Quality	284	250	88.03	MAY2019
1153EE113	Transducers and Sensors	97	93	95.88	MAY2019
1154EE117	Computer Aided Analysis of Electrical Apparatus	47	41	87.23	MAY2019



1154EE118	Green Energy Resources	45	33	73.33	MAY2019
1154EE120	Robotics and Automation	36	32	88.89	MAY2019
1154EE122	Wind Energy Technology	43	32	74.42	MAY2019
1154EE124	Electrical Safety and Safety Management	36	33	91.67	MAY2019

Foundation Courses

Course Code	Course Name	Appeared	Pass	%	YoA
1150CE101	Basic Civil Engineering	1225	1064	86.86	MAY2019
1150CH101	Engineering Chemistry	986	838	84.99	MAY2019
1150CH103	Environmental Studies	799	703	87.98	MAY2019
1150CS201	Problem Solving Using C	1003	882	87.94	MAY2019
1150EC101	Basic Electronics Engineering	998	855	85.67	MAY2019
1150EE101	Basic Electrical Engineering	1001	857	85.61	MAY2019
1150EN102	Technical Communication	1946	1914	98.36	MAY2019
1150EN201	Technical English	2	2	100	MAY2019
1150GE101	Biology for Engineers	1000	943	94.3	MAY2019
1150GE102	Design Thinking	1515	1473	97.23	MAY2019
1150GE103	Introduction to Engineering	7	5	71.43	MAY2019
1150MA103	Engineering Mathematics-II	1895	1457	76.89	MAY2019
1150MA104	Transforms and Partial Differential Equations	386	276	71.5	MAY2019
1150MA105	Biomathematics-II	43	32	74.42	MAY2019
1150MA201	Applied Statistics	493	427	86.61	MAY2019
1150MA202	Engineering Mathematics-I	8	2	25	MAY2019
1150ME101	Basic Mechanical Engineering	955	917	96.02	MAY2019
1150ME103	Engineering Materials	1003	954	95.11	MAY2019
1150ME202	Engineering Graphics	947	892	94.19	MAY2019



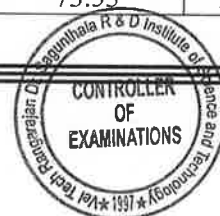
1150MG101	Project Management and Finance	814	737	90.54	MAY2019
1150PH101	Engineering Physics	954	852	89.31	MAY2019

Institute Elective Course Offered by FME & MBA DEPT

Course Code	Course Name	Appeared	Pass	%	YoA
1154CH101	Cryofuels	67	65	97.01	MAY2019
1154CH102	Batteries and Fuel Cells	55	51	92.73	MAY2019
1154EN101	Academic Writing	118	115	97.46	MAY2019
1154EN102	Intensive English for Beginners	6	6	100	MAY2019
1154PH101	Medical Physics	55	55	100	MAY2019
1154GE101	Basic Tamil	42	41	97.62	MAY2019
1154MG104	Entrepreneurship Development	3	3	100	MAY2019
1154MG105	Stress Management	10	10	100	MAY2019
1154MG106	Organizational Behaviour	2	2	100	MAY2019
1154MG107	Introduction to Accounts	2	2	100	MAY2019
1154MG108	Strategic Financial Management	40	40	100	MAY2019
1154MG109	Services Marketing	2	2	100	MAY2019
1154MG110	Consumer Behaviour	2	2	100	MAY2019
1154MG111	Software Project Management	7	7	100	MAY2019
1154MG113	Introduction to Fintech	4	4	100	MAY2019
1154MG114	Introduction to Training and Development	9	9	100	MAY2019
1155GE902	German Language basic Level I	2	2	100	MAY2019

B.Tech. - Information Technology

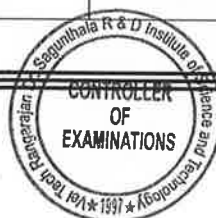
Course Code	Course Name	Appeared	Pass	%	YoA
1151IT102	Data Structures	55	51	92.73	MAY2019
1151IT105	Operating Systems	34	28	82.35	MAY2019
1151IT106	Object Oriented Software Engineering	34	32	94.12	MAY2019
1151IT108	Computer Networks	34	25	73.53	MAY2019



1151IT111	Design and Analysis of Algorithms	35	34	97.14	MAY2019
1151IT113	Mobile Communication	15	11	73.33	MAY2019
1151IT114	Cryptography and Network Security	27	26	96.3	MAY2019
1151IT115	Wireless Communication	26	24	92.31	MAY2019
1151IT116	Embedded Programming	30	29	96.67	MAY2019
1151IT118	Cloud Computing	7	7	100	MAY2019
1152IT110	Internet of Things	20	19	95	MAY2019
1152IT111	Big Data Analytics	14	11	78.57	MAY2019
1152IT117	Data Warehousing and Mining	12	10	83.33	MAY2019
1152IT139	Python Programming	8	8	100	MAY2019
1152IT140	Cloud Storage Infrastructures	8	6	75	MAY2019
1152IT141	Cloud Security	42	41	97.62	MAY2019
1152IT150	Design and Development of Cloud Applications	5	3	60	MAY2019
1153IT110	Python Programming Fundamentals	33	22	66.67	MAY2019
1154IT107	Python Programming Fundamentals	7	7	100	MAY2019

B.Tech. - Mechanical Engineering

Course Code	Course Name	Appeared	Pass	%	YoA
1151ME101	Engineering Mechanics	13	7	53.85	MAY2019
1151ME102	Engineering Thermodynamics	14	8	57.14	MAY2019
1151ME103	Fluid Mechanics and Machinery	28	18	64.29	MAY2019
1151ME104	Manufacturing Technology	12	7	58.33	MAY2019
1151ME105	Kinematics of Machinery	267	218	81.65	MAY2019
1151ME106	Strength of Materials	257	206	80.16	MAY2019
1151ME107	Machining and Machine Tools Technology	263	221	84.03	MAY2019
1151ME108	Applied Engineering Thermodynamics	271	203	74.91	MAY2019
1151ME109	Mechatronics Systems	176	159	90.34	MAY2019



1151ME110	Dynamics of Machinery	14	5	35.71	MAY2019
1151ME111	Design of Machine Elements	23	17	73.91	MAY2019
1151ME112	Thermal Engineering	7	2	28.57	MAY2019
1151ME114	Design of Transmission Systems	159	142	89.31	MAY2019
1151ME115	Heat and Mass Transfer	164	137	83.54	MAY2019
1151ME116	CAD and Applied FEA	7	5	71.43	MAY2019
1151ME117	Engineering Materials and Metallurgy	10	5	50	MAY2019
1151ME201	Engineering Metrology and Measurements	33	31	93.94	MAY2019
1152ME102	Applied Hydraulics and Pneumatics	34	26	76.47	MAY2019
1152ME104	Composite Materials	32	29	90.63	MAY2019
1152ME106	Computer Integrated Manufacturing	39	36	92.31	MAY2019
1152ME107	Fuels and Combustion	23	17	73.91	MAY2019
1152ME108	Industrial Engineering and Management	18	17	94.44	MAY2019
1152ME116	Power Plant Engineering	34	34	100	MAY2019
1152ME117	Renewable Sources of Energy	37	32	86.49	MAY2019
1152ME122	Total Quality Management	27	21	77.78	MAY2019
1152ME123	Solar Energy Engineering	29	29	100	MAY2019
1152ME124	Non-Traditional Machining Processes	29	27	93.1	MAY2019
1152ME125	Advanced Welding Technology	27	23	85.19	MAY2019
1152ME126	Advanced Metal Casting Technology	22	18	81.82	MAY2019
1152ME127	Gas Dynamics and Jet Propulsion	26	24	92.31	MAY2019
1152ME138	Process Planning and Cost Estimation	29	25	86.21	MAY2019
1152ME139	Design of Rotodynamic	28	22	78.57	MAY2019



	Pumps				
1152ME140	Welding Metallurgy and Weldability of Stainless Steels	33	29	87.88	MAY2019
1152ME141	Finite Element Analysis of Composite Structures	17	12	70.59	MAY2019
1152ME142	Integrated Product Design and Process Development	22	21	95.45	MAY2019
1152ME143	System Modelling and Control Engineering	7	6	85.71	MAY2019
1152ME144	Advanced Metal Forming Processes	45	44	97.78	MAY2019
1152ME145	Material Characterization and Testing Methods	28	18	64.29	MAY2019
1152ME146	Artificial Intelligence System in Manufacturing	40	38	95	MAY2019
1152ME147	Laser Processing of Materials	27	22	81.48	MAY2019
1152ME148	Microprocessors and Microcontrollers	28	7	25	MAY2019
1153ME104	Composite Materials and Polymers	23	23	100	MAY2019
1153ME108	3D Printing and Tooling	13	11	84.62	MAY2019
1154ME101	Integrated Product Development	31	28	90.32	MAY2019
1154ME102	IPR and Patents Rights	38	28	73.68	MAY2019
1154ME105	Industrial Safety, Health and Hazards	56	53	94.64	MAY2019
1154ME107	Energy Conservation and Audit	36	28	77.78	MAY2019
1154ME108	Engineering Economics and Financial Accounting	11	11	100	MAY2019
1154ME109	Green Engineering and Sustainability	46	38	82.61	MAY2019
1154ME111	3D Printing	553	508	91.86	MAY2019
1154ME112	Energy Management	41	37	90.24	MAY2019



School of Law

Course Code	Course Name	Appeared	Pass	%	YoA
1154LL101	Constitution of India	61	60	98.36	MAY2019
1154LL102	Protection of Environment and the Law	61	54	88.52	MAY2019

6.0 Technology Automations

All the processes in the Office of CoE is fully automated using recent technological advancements. Starting from the usage of automatic dummy numbering machine to assign dummy numbers to the answer booklets and right up to the declaration of results and generation of credit summary in the student login of our website, all operations have been fully computerized. Grade Cards were generated using sophisticated software systems and printed on professional industry standard color laser printers. An in-house team of programmers are available to develop customized software modules required for the smooth running of the entire office setup.



GRADUATION LIST

Academic Year 2018-2019

(Date of Convocation:13-08-2019, Old Batches: 146, Current Batches:746)

Sl.No	Degree - Programme	Number of students who appeared for the examination	Number of current students graduating
1.	B.Tech. - Aeronautical Engineering	30	20
2.	B.Tech. - Automobile Engineering	25	17
3.	B.Tech. - Computer Science and Engineering	199	168
4.	B.Tech. - Civil Engineering	63	45
5.	B.Tech. - Electronics and Communication Engineering	114	84
6.	B.Tech. - Electrical and Electronics Engineering	27	18
7.	B.Tech. - Mechanical Engineering	200	150
8.	B.Tech. - Information Technology	7	3
9.	B.Com.	56	48
10.	B.Sc. - Multimedia	3	3
11.	B.Sc. - Visual Communication	19	12
12.	M.Tech. - Aeronautical Engineering (Unmanned Aerial Vehicle)	4	3
13.	M.Tech. - Big Data Analytics	7	6
14.	M.Tech. - CAD/CAM	4	3
15.	M.Tech. - Computer Integrated Manufacturing	2	2
16.	M.Tech. - Construction Engineering and Management	18	14
17.	M.Tech. - Computer Science and Engineering	8	7
18.	M.Tech. - Embedded Systems and Technologies	10	10
19.	M.Tech. - Environmental Engineering	8	8
20.	M.Tech. - GeoTechnical Engineering	6	6
21.	M.Tech. - Internal Combustion Engines	23	22
22.	M.Tech. - Industrial Safety Engineering	7	6
23.	M.Tech. - Information and Cyber Security	3	2
24.	M.Tech. - Machine Design	11	11
25.	M.Tech. - Measurements and Control	2	2
26.	M.Tech. - Metallurgical and Material Science Engineering	7	5
27.	M.Tech. - Power Electronics	2	1
28.	M.Tech. - Robotics	6	5
29.	M.Tech. - Software Engineering	2	2
30.	M.Tech. - Structural Engineering	10	5
31.	M.Tech. - Thermal Engineering	9	7
32.	M.Tech. - Network Engineering	3	0
33.	M.B.A.	55	51
Total		950	746



Total number of final year students who passed in the university examination	746
Total number of final year students who appeared for the examination	950
Percentage	78.53



CONTROLLER OF EXAMINATIONS