



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 2019 - 20

1.0 INTRODUCTION

Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology has successfully implemented the framework for outcome based education and is practicing it in every letter and spirit. The choice based credit system was introduced in 2015 and since then the proper alignment of the assessment process with the learning outcomes has always been ensured. The question papers are set based on Blooms Taxonomy with the levels of course outcome mentioned by the side of questions. Proper rubrics are also in force for consistent and reliable evaluation of students laboratory/project works etc.,.The institution permits the transfer of credits for the courses undergone by our students in Universities abroad as well as the credits earned through SWAYAM - NPTEL courses.

2.0 PROCEDURES AND PROCESSES

The end semester examination schedule is published in the academic calendar and is strictly followed. The results are published within 15 days for the UG examinations and 21 days for the PG examinations. The services of external examiners from reputed institutions are utilized for question paper setting, evaluation in addition to the internal teaching faculties. To increase the transparency in the evaluation process, photocopy of the answer booklet is also given the students and the option to re-evaluation / challenge evaluation is also provided.

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A fully computerized examination management system is available in the institution. An automatic dummy number allotment and scanning machine is used for the secure management of dummy numbering process and also to scan the evaluated marks. Various processes like generation of seat numbers, hall ticket printing, students' performance tracking, results declaration etc., are done through state of the art computer software systems.

Four numbers of continuous internal assessments are conducted in addition to the end semester examination, with the ratio of internal to external evaluation fixed at 40:60. The institute has adopted modern technology-based systems to smoothen the examination related processes and to enhance security and integrity.

Around 50% of the question papers are sourced from the external experts from high ranking institutions. Utmost care is taken to design effective question papers that are properly worded



using the action words pertaining to the appropriate levels of Blooms Taxonomy. Periodic audit/scrutiny of question papers were also conducted by external as well as internal experts to ensure the correctness and relevance to the syllabus.

The institution permits the transfer of credits for the courses undergone by our students in Universities abroad as well as the credits earned through SWAYAM - NPTEL courses. Our institute adopts absolute grading system for the examinations.

A one-time on-demand exam is permitted for the student, who has successfully completed all the courses mandated for the degree programme, except only one arrear course, upon clearing which he/she is eligible to earn a degree. The student will be allowed to take the exam only after the production of a valid appointment order for the job.

The evaluation of answer booklets commence with the assignment of dummy numbers to the answer booklets using an automatic dummy numbering machine and scanner. The answer scripts are also shuffled to increase the randomness. Examiners with suitable experience are called for evaluation duty, with the ratio of internal to external being 60:40. A double check system to verify the awarded marks is practiced by verifying the marks entered by the examiner in software with that of the scanned marks using the OCR. All UG papers are subjected to single evaluation, whereas PG and Ph.D papers are doubly evaluated to ensure correctness.

3.0 Moderation

Moderation is provided for all the regular examinations of the institution, based on the feedback received from the Deans / HoDs regarding the complexity of the question paper and also using the standard procedure of grafting and gracing.

4.0 Technology Adoption

A fully computerized examination management system is available in the institution. An automatic dummy number allotment and scanning machine is used for the secure management of dummy numbering process and also to scan the evaluated marks. Various processes like generation of seat numbers, hallticket printing, students performance tracking, results declaration etc., are done through state of the art computer software systems.



5.0 Security and exam malpractice prevention

The answer booklets/grade cards have security features built in including Guilloche background with rainbow, barcode, opaque text(watermark), security border, void copy, invisible ink, MICR coding, thermo-chromatic ink and microline printing. Automatic dummy numbering of the answer booklets is also enforced to improve the confidentiality and to protect the identity of the students. To prevent the malpractice during examinations, suitable number of monitoring squads comprising of faculties are constituted to monitor and enforce discipline in the examination halls.

6.0 Evaluation - Objective alignment :Programme/Course

The questions are set based on the level of the course outcome, e.g.,CO1, CO2, CO3,CO4 etc.,.The course outcomes are always monitored rigorously at the end of every semester for the courses.

7.0 RESULT ANALYSIS NOV / DEC – 2019 EXAMINATIONS

B.Tech. - Aeronautical Engineering

Course code	Course name	Appeared	Pass	%	YoA
1154AE102	Disaster Management	48	48	100	Nov.2019
1152AE128	Lighter than Air Systems	27	26	96.3	Nov.2019
1152AE131	Propellants and Fuel Technology	24	23	95.83	Nov.2019
1151AE110	Compressible Flow Aerodynamics	69	63	91.3	Nov.2019
1151AE104	Fluid Mechanics	80	72	90	Nov.2019
1151AE101	Introduction to Aerospace Engineering	81	70	86.42	Nov.2019
1152AE151	Aircraft Rules and Regulations - II	21	18	85.71	Nov.2019
1151AE217	Avionics	18	15	83.33	Nov.2019
1151AE111	Rocket and Space Propulsion	75	61	81.33	Nov.2019
1152AE144	Aircraft Materials	21	17	80.95	Nov.2019
1153AE108	Additive Manufacturing	31	24	77.42	Nov.2019
1152AE105	Aircraft General Engineering and System Maintenance	34	26	76.47	Nov.2019
1151AE106	Linear System Analysis and Control	41	31	75.61	Nov.2019
1151AE216	Aircraft Structural Analysis	72	53	73.61	Nov.2019
1151AE105	Aero Engineering Thermodynamics	80	58	72.5	Nov.2019
1151AE109	Airplane Performance	69	50	72.46	Nov.2019
1151AE102	Engineering Mechanics	81	58	71.6	Nov.2019
1152AE219	Flapping Wing Dynamics	16	11	68.75	Nov.2019
1151AE103	Strength of Materials	86	59	68.6	Nov.2019



B.Tech. - Automobile Engineering

Course Code	Course Name	Appeared	Pass	%	YoA
1151AU108	Automotive Transmission	39	39	100	Nov.2019
1151AU215	Automotive Electrical and Electronics	39	39	100	Nov.2019
1152AU115	Electric and Hybrid Vehicles	18	18	100	Nov.2019
1152AU133	Hydrogen Engines	12	12	100	Nov.2019
1152AU136	Sustainable Fuels for Non-Conventional Engines	11	11	100	Nov.2019
1153AU109	Fuel Conservation and Alternate Fuels	57	56	98.25	Nov.2019
1154AU101	Automotive Safety	56	55	98.21	Nov.2019
1154AU102	Automotive Electrical and Electronics	60	58	96.67	Nov.2019
1154AU104	Automobile Engineering	59	57	96.61	Nov.2019
1153AU106	Automobile Engineering	110	106	96.36	Nov.2019
1151AU104	Manufacturing Technology	24	23	95.83	Nov.2019
1151AU217	Vehicle Evaluation and Maintenance	39	37	94.87	Nov.2019
1151AU110	Engine Design and Development	38	36	94.74	Nov.2019
1153AU108	Automotive Emission and Control	42	39	92.86	Nov.2019
1153AU101	I.C Engines	53	49	92.45	Nov.2019
1151AU107	I.C Engines	24	22	91.67	Nov.2019
1152AU102	Automotive Emission and Control	12	11	91.67	Nov.2019
1153AU103	Automotive Electrical and Electronics	27	24	88.89	Nov.2019
1151AU102	Basic Engineering Thermodynamics	22	19	86.36	Nov.2019
1151AU101	Engineering Mechanics	21	18	85.71	Nov.2019
1151AU213	Fluid Mechanics and Machinery	24	19	79.17	Nov.2019



B.Tech. - Biomedical Engineering

Course Code	Course Name	Appeared	Pass	%	YoA
1152BM103	Medical Ethics	12	12	100	Nov.2019
1152BM106	Rehabilitation Engineering	13	13	100	Nov.2019
1151BM103	Digital Electronics	32	28	87.5	Nov.2019
1151BM112	Diagnostics and Therapeutic - I	24	20	83.33	Nov.2019
1154BM101	Brain Computer Interface	28	23	82.14	Nov.2019
1151BM111	Biomedical Instrumentation	24	19	79.17	Nov.2019
1151BM101	Anatomy and Human Physiology	31	23	74.19	Nov.2019
1151BM102	Biochemistry	30	22	73.33	Nov.2019
1151BM104	Electric Circuit Theory	32	23	71.88	Nov.2019
1151BM105	Analog Electronics and Integrated Circuits	31	22	70.97	Nov.2019
1152BM104	Body Area Network	13	9	69.23	Nov.2019
1151BM110	Digital Signal Processing	23	13	56.52	Nov.2019
1152BM105	Introduction to Nanotechnology	11	6	54.55	Nov.2019



B.Tech. - Biotechnology

Course Code	CourseName	Appeared	Pass	%	YoA
1151BT101	Analytical Techniques and Instrumentation	14	14	100	Nov.2019
1151BT102	Basic Concepts of Biotechnology	14	14	100	Nov.2019
1151BT103	Microbiology	15	15	100	Nov.2019
1152BT101	Food Processing Technology	32	32	100	Nov.2019
1153BT101	Biochips and Microarrays	31	31	100	Nov.2019
1151BT112	Biological Mass Transfer	32	31	96.88	Nov.2019
1152BT125	Plant Biotechnology	28	27	96.43	Nov.2019
1151BT110	Genetic Engineering	30	28	93.33	Nov.2019
1151BT104	Biochemistry	14	13	92.86	Nov.2019
1154BT101	Biomaterials Engineering	56	51	91.07	Nov.2019
1153BT102	Biosensors and Instrumentation	21	19	90.48	Nov.2019
1151BT111	Immunology And Immunotechnology	30	27	90	Nov.2019
1151BT107	Principles Of Chemical Engineering	13	11	84.62	Nov.2019



B.Tech. - Civil Engineering

Course Code	Course Name	Appeared	Pass	%	YoA
1154CE106	Green Technology and Smart Buildings	50	49	98	Nov.2019
1154CE101	Resource and Energy Recovery from Waste	69	66	95.65	Nov.2019
1154CE104	Building Materials	68	65	95.59	Nov.2019
1154CE108	Applications of Remote Sensing and GIS in Disaster Management	49	46	93.88	Nov.2019
1154CE103	Construction Contracts	47	44	93.62	Nov.2019
1154CE105	Construction Engineering	48	43	89.58	Nov.2019
1152CE132	Hydrology	50	44	88	Nov.2019
1152CE116	Construction Planning, Scheduling and Control	46	40	86.96	Nov.2019
1151CE107	Structural Analysis - I	78	67	85.9	Nov.2019
1151CE206	Environmental Engineering	78	67	85.9	Nov.2019
1151CE207	Concrete Technology	66	55	83.33	Nov.2019
1151CE109	Design of RC Elements	79	63	79.75	Nov.2019
1152CE124	Highway Engineering	48	38	79.17	Nov.2019
1152CE142	Engineering Geology	53	41	77.36	Nov.2019
1151CE104	Engineering Mechanics	59	44	74.58	Nov.2019
1153CE105	Air Pollution Management	20	14	70	Nov.2019
1151CE113	Construction Materials and Techniques	66	45	68.18	Nov.2019
1151CE110	Basics of Dynamics and Aseismic Design of Structures	29	19	65.52	Nov.2019
1151CE114	Surveying	63	39	61.9	Nov.2019
1151CE201	Strength of Materials	80	45	56.25	Nov.2019
1152CE112	Ground Improvement Techniques	28	10	35.71	Nov.2019
1151CE112	Estimation and Quantity Surveying	28	9	32.14	Nov.2019



B.Tech. - Computer Science and Engineering

Course Code	Course Name	Appeared	Pass	%	YoA
1152CS121	Big Data and Analytics	50	50	100	Nov.2019
1152CS209	Internet of Things	14	14	100	Nov.2019
1154CS106	Data Structures	72	71	98.61	Nov.2019
1153CS104	Data Structures using C	128	126	98.44	Nov.2019
1152CS162	Blockchain Technology	61	60	98.36	Nov.2019
1152CS126	Software Quality Assurance	45	44	97.78	Nov.2019
1152CS108	User Interface Design	171	167	97.66	Nov.2019
1152CS101	Cryptography and Network Security	111	108	97.3	Nov.2019
1153CS103	Object Oriented Programming	63	61	96.83	Nov.2019
1151CS112	Object Oriented Software Engineering	575	554	96.35	Nov.2019
1152CS119	Python Programming	236	227	96.19	Nov.2019
1151CS113	Computer Graphics and Image Processing	616	592	96.1	Nov.2019
1151CS110	Computer Organization and Architecture	563	540	95.91	Nov.2019
1151CS114	Data Warehousing and Data Mining	373	357	95.71	Nov.2019
1151CS105	System Software	378	360	95.24	Nov.2019
1152CS120	Cloud Computing	189	180	95.24	Nov.2019
1151CS108	Operating Systems	412	392	95.15	Nov.2019
1152CS141	Cyber Physical System	57	54	94.74	Nov.2019
1152CS221	3D Architecture And Art Design	17	16	94.12	Nov.2019
1153CS202	Web Design for IOT	17	16	94.12	Nov.2019
1151CS115	Compiler Design	472	443	93.86	Nov.2019
1151CS201	Mobile Application Development	110	103	93.64	Nov.2019
1152CS106	Mobile Computing	92	86	93.48	Nov.2019
1151CS107	Database Management Systems	452	422	93.36	Nov.2019
1152CS137	Artificial Intelligence	205	191	93.17	Nov.2019

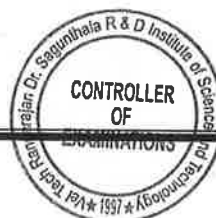


1151CS202	Internet Programming	114	106	92.98	Nov.2019
1154CS104	Android Mobile Application Development	57	53	92.98	Nov.2019
1151CS104	Digital Electronics	870	806	92.64	Nov.2019
1151CS102	Data Structures	27	25	92.59	Nov.2019
1151CS117	Java Programming	901	829	92.01	Nov.2019
1151CS119	Introduction to Design and Analysis of Algorithms	827	760	91.9	Nov.2019
1151CS111	Computer Networks	368	337	91.58	Nov.2019
1152CS140	Machine Learning Techniques	139	127	91.37	Nov.2019
1154CS101	Computer Networks	53	47	88.68	Nov.2019
1151CS118	Microprocessors and Controllers	40	35	87.5	Nov.2019
1151CS101	Concrete Mathematics	603	523	86.73	Nov.2019
1151CS109	Theory of Computation	187	155	82.89	Nov.2019



B.Tech. - Electronics and Communication Engineering

Course Code	Course Name	Appeared	Pass	%	YoA
1152EC133	DSP Algorithms and Architecture	27	26	96.3	Nov.2019
1154EC104	Building Automation	25	24	96	Nov.2019
1154EC105	Wireless Technologies	12	11	91.67	Nov.2019
1152EC120	Satellite Communication	33	30	90.91	Nov.2019
1151EC106	Analog and Digital Control Systems	319	286	89.66	Nov.2019
1151EC115	VLSI Design	245	219	89.39	Nov.2019
1151EC114	Waveguides and Antennas	316	282	89.24	Nov.2019
1152EC142	Sensors and Transducers	30	26	86.67	Nov.2019
1152EC221	Electromagnetic Interference and Compatibility	22	19	86.36	Nov.2019
1151EC113	Wireless Digital Communication	441	375	85.03	Nov.2019
1151EC112	Discrete Time Signal Processing	433	366	84.53	Nov.2019
1151EC104	Digital Electronics	452	381	84.29	Nov.2019
1152EC103	Silicon Validation	24	20	83.33	Nov.2019
1152EC140	Cellular Mobile Communication	30	24	80	Nov.2019
1154EC103	Industrial Automation	24	19	79.17	Nov.2019
1153EC106	Wireless Communication Networks	209	165	78.95	Nov.2019
1151EC111	Data Communication Networks	230	179	77.83	Nov.2019
1152EC102	Low Power VLSI Design	27	21	77.78	Nov.2019
1153EC105	Analog and Digital Communication	207	158	76.33	Nov.2019
1151EC107	Signals and Systems	488	361	73.98	Nov.2019
1151EC105	Linear Integrated Circuits	465	338	72.69	Nov.2019
1151EC109	Analog Communication Systems	24	17	70.83	Nov.2019
1152EC113	Embedded Systems Design	30	21	70	Nov.2019
1152EC154	Introduction to Machine Learning	26	18	69.23	Nov.2019
1151EC102	Electric Circuit Analysis	465	304	65.38	Nov.2019
1152EC126	Network Security	27	17	62.96	Nov.2019



1152EC241	Software Defined Networking	24	15	62.5	Nov.2019
1151EC103	Analog Electronics	12	5	41.67	Nov.2019
1151EC110	Microprocessors and Microcontrollers	13	5	38.46	Nov.2019
1151EC108	Electromagnetic Fields	157	57	36.31	Nov.2019

B.Tech. - Electrical and Electronics Engineering

Course Code	Course Name	Appeared	Pass	%	YoA
1154EE124	Electrical Safety and Safety Management	49	49	100	Nov.2019
1152EE201	Applied Soft Computing	38	38	100	Nov.2019
1154EE120	Robotics and Automation	53	49	92.45	Nov.2019
1154EE117	Computer Aided Analysis of Electrical Apparatus	48	44	91.67	Nov.2019
1152EE116	Special Electrical Machines	36	33	91.67	Nov.2019
1151EE102	Electronic Devices and Circuits	31	28	90.32	Nov.2019
1152EE115	Fundamentals of Electric and Hybrid Vehicles	39	35	89.74	Nov.2019
1151EE109	Power Electronics	40	35	87.5	Nov.2019
1154EE118	Green Energy Resources	61	52	85.25	Nov.2019
1151EE113	Microprocessors and Microcontrollers	44	36	81.82	Nov.2019
1151EE112	Electrical Machine design	21	17	80.95	Nov.2019
1152EE146	Generation Planning	14	11	78.57	Nov.2019
1151EE111	Power System Operation and Control	18	14	77.78	Nov.2019
1151EE101	Circuit Analysis	48	37	77.08	Nov.2019
1153EE102	Biomedical Instrumentation	190	141	74.21	Nov.2019
1153EE110	Power Supply Quality	209	154	73.68	Nov.2019
1151EE103	DC Machines and Transformers	33	23	69.7	Nov.2019
1151EE108	Transmission and Distribution	38	26	68.42	Nov.2019
1151EE201	Electromagnetic Fields	46	30	65.22	Nov.2019



B.Tech. - Information Technology

Cours e Code	Course Name	Appeared	Pass	%	YoA
1153IT110	Python Programming Fundamentals	61	61	100	Nov.2019
1151IT101	Concrete Mathematics	38	37	97.37	Nov.2019
1152IT140	Cloud Storage Infrastructures	34	33	97.06	Nov.2019
1152IT120	Distributed Computing	50	48	96	Nov.2019
1152IT143	Cloud Middleware	22	21	95.45	Nov.2019
1152IT112	Virtualization Techniques	21	20	95.24	Nov.2019
1151IT107	Database Management Systems	38	36	94.74	Nov.2019
1151IT109	Information Coding Techniques	55	51	92.73	Nov.2019
1151IT103	Computer Organization and Digital Design	54	49	90.74	Nov.2019
1151IT104	Object Oriented Programming	51	45	88.24	Nov.2019
1151IT112	Compiler Design	58	51	87.93	Nov.2019
1152IT130	Machine Learning	11	9	81.82	Nov.2019
1151IT110	Mobile Application Development	35	28	80	Nov.2019
1152IT101	Fundamentals of IT	15	12	80	Nov.2019
1151IT117	Web Technologies	18	14	77.78	Nov.2019
1151IT113	Mobile Communication	38	28	73.68	Nov.2019
1154IT107	Python Programming Fundamentals	46	32	69.57	Nov.2019



B.Tech. - Mechanical Engineering

Course Code	Course Name	Appeared	Pass	%	YoA
1152ME102	Applied Hydraulics and Pneumatics	51	51	100	Nov.2019
1152ME123	Solar Energy Engineering	46	46	100	Nov.2019
1153ME104	Composite Materials and Polymers	42	42	100	Nov.2019
1152ME157	Vehicle Body Engineering	24	24	100	Nov.2019
1152ME205	Engine Testing and Certification	24	24	100	Nov.2019
1152ME106	Computer Integrated Manufacturing	50	49	98	Nov.2019
1152ME117	Renewable Sources of Energy	39	38	97.44	Nov.2019
1151ME111	Design of Machine Elements	268	260	97.01	Nov.2019
1154ME111	3D Printing	458	444	96.94	Nov.2019
1154ME107	Energy Conservation and Audit	83	80	96.39	Nov.2019
1152ME204	Engine Electronics and Management Systems	24	23	95.83	Nov.2019
1153ME108	3D Printing and Tooling	46	44	95.65	Nov.2019
1154ME105	Industrial Safety, Health and Hazards	89	85	95.51	Nov.2019
1152ME113	Maintenance Engineering	42	40	95.24	Nov.2019
1154ME201	Project Design Practicum	20	19	95	Nov.2019
1151ME201	Engineering Metrology and Measurements	157	147	93.63	Nov.2019
1152ME104	Composite Materials	46	43	93.48	Nov.2019
1151ME114	Design of Transmission Systems	15	14	93.33	Nov.2019
1152ME122	Total Quality Management	44	41	93.18	Nov.2019
1152ME118	Tool Design Engineering	29	27	93.1	Nov.2019
1151ME115	Heat and Mass Transfer	259	240	92.66	Nov.2019
1152ME116	Power Plant Engineering	43	39	90.7	Nov.2019
1152ME139	Design of Rotodynamic Pumps	20	18	90	Nov.2019
1151ME104	Manufacturing Technology	213	191	89.67	Nov.2019
1154ME101	Integrated Product Development	56	50	89.29	Nov.2019



1152ME125	Advanced Welding Technology	43	37	86.05	Nov.2019
1152ME130	Sensors And Actuators	27	23	85.19	Nov.2019
1152ME124	Non-Traditional Machining Processes	20	17	85	Nov.2019
1151ME103	Fluid Mechanics and Machinery	232	190	81.9	Nov.2019
1151ME117	Engineering Materials and Metallurgy	225	184	81.78	Nov.2019
1151ME101	Engineering Mechanics	234	190	81.2	Nov.2019
1151ME202	Finite Element Analysis	59	47	79.66	Nov.2019
1151ME110	Dynamics of Machinery	266	205	77.07	Nov.2019
1152ME138	Process Planning and Cost Estimation	29	22	75.86	Nov.2019
1151ME105	Kinematics of Machinery	19	14	73.68	Nov.2019
1152ME126	Advanced Metal Casting Technology	13	9	69.23	Nov.2019
1151ME102	Engineering Thermodynamics	237	164	69.2	Nov.2019
1151ME106	Strength of Materials	22	13	59.09	Nov.2019
1152ME149	Embedded System and Device Drivers	27	12	44.44	Nov.2019
1151ME108	Applied Engineering Thermodynamics	14	4	28.57	Nov.2019

School of Law

Course Code	Course Name	Appeared	Pass	%	YoA
1154LL106	Protection of Environment-Legal Provisions & Auditing Procedure	18	16	88.89	Nov.2019
1154LL101	Constitution of India	40	40	100	Nov.2019



Foundation

Course Code	Course Name	Appeared	Pass	%	YoA
1150GE205	Introduction to Engineering	1169	1167	99.83	Nov.2019
1150GE102	Design Thinking	1162	1136	97.76	Nov.2019
1150EN102	Technical Communication	42	41	97.62	Nov.2019
1150MA201	Applied Statistics	869	830	95.51	Nov.2019
1150CH103	Environmental Studies	1422	1356	95.36	Nov.2019
1150EN202	Workplace Communication - I	2301	2192	95.26	Nov.2019
1150ME202	Engineering Graphics	1158	1087	93.87	Nov.2019
1150MA203	Bio Mathematics - I	26	24	92.31	Nov.2019
1150MA203	Bio Mathematics - 1	26	24	92.31	Nov.2019
1150ME103	Engineering Materials	1168	1049	89.81	Nov.2019
1150ME101	Basic Mechanical Engineering	1175	1050	89.36	Nov.2019
1150CS201	Problem Solving using C	1166	1032	88.51	Nov.2019
1150EE302	Basic Electrical and Electronics Engineering Laboratory	1131	989	87.44	Nov.2019
1150PH101	Engineering Physics	1162	996	85.71	Nov.2019
1150MA104	Transforms and Partial Differential Equations	1318	1081	82.02	Nov.2019
1150CH101	Engineering Chemistry	1154	943	81.72	Nov.2019
1150MA202	Engineering Mathematics - I	2287	1849	80.85	Nov.2019
1150EC101	Basic Electronics Engineering	1165	932	80	Nov.2019
1150MG101	Project Management and Finance	832	631	75.84	Nov.2019
1150CE101	Basic Civil Engineering	1322	990	74.89	Nov.2019
1150GE101	Biology for Engineers	1162	860	74.01	Nov.2019
1150EE101	Basic Electrical Engineering	1149	835	72.67	Nov.2019
1150MA103	Engineering Mathematics - II	17	6	35.29	Nov.2019



M.Tech. Programme

Department of Automobile Engineering

Course Code	Course Name	Appeared	Pass	%	YoA
2161AU106	Engine Design and Development	3	3	100	Nov.2019
2161AU107	Engine Electronics and Management System	3	3	100	Nov.2019
2162AU105	Supercharging and Turbocharging	3	3	100	Nov.2019

Department of Civil Engineering

Course Code	Course Name	Appeared	Pass	%	YoA
2161CE112	Industrial Waste Water Pollution Prevention and Control	7	7	100	Nov.2019
2162CE107	Special Concrete	9	9	100	Nov.2019
2162CE109	Rural Water Supply and Onsite Sanitation	6	6	100	Nov.2019
2162CE111	Resource Management and Control	10	10	100	Nov.2019
2162CE115	Analysis and Design of Tall Buildings	1	1	100	Nov.2019
2162CE119	Construction Project Management	10	10	100	Nov.2019
2162CE122	Environmental Impact Assessment	7	7	100	Nov.2019
2161CE117	Finite Element Analysis	10	9	90	Nov.2019



Department of Computer Science & Engineering

Course Code	Course Name	Appeared	Pass	%	YoA
2161CS211	Software Engineering Principles and Practices	2	2	100	Nov.2019
2162CS108	Soft Computing Methods	2	2	100	Nov.2019
2162CS115	Distributed Computing	2	2	100	Nov.2019
2162CS128	Software Quality Management	2	2	100	Nov.2019

Department of Electronics & Communication Engineering

Course Code	Course Name	Appeared	Pass	%	YoA
2162EC141	Multimedia Architectures	6	6	100	Nov.2019
2161EC122	System-on-Chip Architecture	5	5	100	Nov.2019
2162EC105	Hardware Software Co-Design	5	5	100	Nov.2019
2162EC111	Internet of Things	5	4	80	Nov.2019
2162EC137	Real Time System with FPGA	5	4	80	Nov.2019

Department of Electrical and Electronics Engineering

Course Code	Course Name	Appeared	pass	%	YoA
2161EE104	Transducer and Smart Instruments	1	1	100	Nov.2019
2161EE106	Industrial Instrumentation	1	1	100	Nov.2019
2161EE108	Industrial Data Communications	1	1	100	Nov.2019



Department of Information Technology

Course Code	Course Name	Appeared	Pass	%	YoA
2162IT122	Intrusion Detection Systems	3	3	100	Nov.2019
2162IT123	Cyber Crimes and Laws	3	3	100	Nov.2019

Department of Mechanical Engineering

Course Code	Course Name	Appeared	Pass	%	YoA
2161ME107	Material Characterization	4	4	100	Nov.2019
2161ME119	Concepts of Engineering Design	6	6	100	Nov.2019
2161ME120	Design for Manufacturing and Assembly	2	2	100	Nov.2019
2161ME124	Combustion Engineering	6	6	100	Nov.2019
2161ME134	Industrial Safety Health and Environment Acts	8	8	100	Nov.2019
2161ME146	Advanced Mechanisms	1	1	100	Nov.2019
2161ME155	Applied Materials Engineering	2	2	100	Nov.2019
2161ME157	Turbo Machines	6	6	100	Nov.2019
2161ME161	Design of Experiments and Taguchi Methods	6	6	100	Nov.2019
2161ME165	Smart Materials	4	4	100	Nov.2019
2161ME166	High Temperature Materials	3	3	100	Nov.2019
2161ME167	Electrical Safety	8	8	100	Nov.2019
2161ME168	Safety in Process Industries	8	8	100	Nov.2019
2161ME172	Vibration Analysis and Control	6	6	100	Nov.2019
2162ME110	Advanced Additive Manufacturing	4	4	100	Nov.2019
2162ME111	Advanced Optimization Techniques	1	1	100	Nov.2019
2162ME117	Enterprise Resource Planning	7	7	100	Nov.2019
2162ME126	Design of Material Handling Equipment	1	1	100	Nov.2019
2162ME128	Experimental Stress Analysis	5	5	100	Nov.2019



2162ME133	Solar Energy Engineering	6	6	100	Nov.2019
2162ME170	MEMS and Nano Technology	1	1	100	Nov.2019
2162ME173	Additive Manufacturing	2	2	100	Nov.2019
2162ME180	Safety in Construction Industries	8	8	100	Nov.2019
2162ME186	Productivity Management and Reengineering	6	6	100	Nov.2019
2162ME198	Manufacturing Systems Automation	1	1	100	Nov.2019
2162ME188	Engineering Economics and Costing	7	6	85.71	Nov.2019
2161ME123	Advanced Heat Transfer	6	5	83.33	Nov.2019

M.B.A.

Course Code	Course Name	Appeared	Pass	%	YoA
3161MG113	International Business Management	43	43	100	Nov.2019
3162MG107	Industrial Relations and Labour Legislations	16	16	100	Nov.2019
3162MG111	Performance Management and Appraisal	16	16	100	Nov.2019
3162MG112	Security Analysis And Portfolio Management	20	20	100	Nov.2019
3162MG127	Logistics Management	25	25	100	Nov.2019
3162MG128	Supply Chain Management	25	25	100	Nov.2019
3162MG131	Warehouse and Inventory Management	25	25	100	Nov.2019
3162MG132	Consumer Behaviour & Marketing Research	24	24	100	Nov.2019
3162MG136	Integrated Marketing Communications	24	24	100	Nov.2019
3162MG163	Introduction to Digital Marketing	24	24	100	Nov.2019
3162MG174	Strategic Human Resource Management	16	16	100	Nov.2019
3162MG114	Corporate Finance	20	19	95	Nov.2019
3162MG113	Merchant Banking and Financial Services	20	18	90	Nov.2019



Result Analysis May – 2020 Examinations
List of B.Tech. Courses in MAY 2020 End Semester Examinations

	Aero	Auto	Biomed	Biotech	Civil	CSE	ECE	EEE	IT	MECH	Foundation	MBA & LAW (Elective forUG)
Programme Core	9	6	6	7	14	16	16	12	10	15	30	1
Programme Elective	13	6	2	5	9	26	19	4	6	17		
Allied Elective	1	6	-	1	2	2	5	2	3	2		
Institute Elective	1	3	1	3	5	3	3	3	4	4		
Course count	24	21	9	16	30	47	43	21	23	38	30	1
Total	303											

Pass percentage analysis of all B.Tech. Courses

S.No	Programme Name	80%& Above	Below 80%
1	B.Tech. - Aeronautical Engineering	24	-
2	B.Tech. - Automobile Engineering	21	-
3	B.Tech. - Biomedical Engineering	9	-
4	B.Tech. - Biotechnology	16	-
5	B.Tech. - Civil Engineering	29	1
6	B.Tech. - Computer Science And Engineering	45	2
7	B.Tech. - Electronics & Communication Engineering	31	12
8	B.Tech. - Electrical And Electronics Engineering	19	2
9	B.Tech. - Information Technology	22	1
10	B.Tech. - Mechanical Engineering	37	1
11	Freshman Engineering	30	-
12	Management and Law	1	-



S.NO	Programme Name	Total Course Count	Above 80%	Below 80%
1	B.Tech. - Aeronautical Engineering	9	9	-
2	B.Tech. - Automobile Engineering	6	6	-
3	B.Tech. - Biomedical Engineering	6	6	-
4	B.Tech. - Biotechnology	7	7	-
5	B.Tech. - Civil Engineering	14	13	1
6	B.Tech. - Computer Science And Engineering	16	15	1
7	B.Tech. - Electronics & Communication Engineering	16	8	8
8	B.Tech. - Electrical And Electronics Engineering	12	11	1
9	B.Tech. - Information Technology	10	9	1
10	B.Tech. - Mechanical Engineering	15	14	1

S.NO	Degree	Programme	Appeared	Pass	Fail	%
1	B.Sc.	Multimedia	28	27	1	96.4
2	B.Sc.	Visual Communication	34	16	18	47.1
3	B.Com.	General	209	194	15	92.82
4	B.A.LL.B.(Hons)	B.A.LL.B.(Hons)	73	71	2	97.3
5	B.Com.LL.B(Hons)	B.Com.LL.B(Hons)	38	37	1	97.4
6	B.B.A.	B.B.A.	75	62	13	82.7

S.No	Course category	Aero	Auto	Civil	CSE	ECE	EEE	IT	Mech	MBA
1	Programme Core	6	1	15	11	3	3	4	25	6
2	Prog.Elective	-	6	5	1	-	2	2	9	7
3	Course Count	6	7	20	12	3	5	6	34	13
	GrandTotal	106								

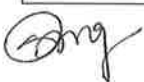


Programme Name	80%&Above	Below80%
B.Tech. - Aeronautical Engineering	6	-
B.Tech. - Automobile Engineering	7	-
B.Tech. - Civil Engineering	20	-
B.Tech. - Computer Science And Engineering	12	-
B.Tech. - Electronics & Communication Engineering	3	-
B.Tech. - Electrical And Electronics Engineering	5	-
B.Tech. - Information Technology	-	6
B.Tech. - Mechanical Engineering	32	2
M.B.A	13	-



GRADUATION LIST
Academic Year 2019-2020
(Date of Convocation:23-10-2020,
Old Batches: 217, Current Batches: 1089)

Sl.No	Programme Name	Number of students appeared in the final year examination	Number of students passed in final year examination
1.	B.Tech. - Aeronautical Engineering	64	36
2.	B.Tech. - Automobile Engineering	27	16
3.	B.Tech. - Computer Science and Engineering	528	446
4.	B.Tech. - Civil Engineering	47	35
5.	B.Tech. - Electronics and Communication Engineering	214	177
6.	B.Tech. - Electrical and Electronics Engineering	29	25
7.	B.Tech. - Mechanical Engineering	190	147
8.	B.Tech. - Information Technology	29	25
9.	B.Com.	65	62
10.	B.B.A.	17	6
11.	M.Tech. - CAD/CAM	2	1
12.	M.Tech. - Construction Engineering and Management	9	7
13.	M.Tech. - Computer Science and Engineering	2	1
14.	M.Tech. - Embedded Systems and Technologies	4	4
15.	M.Tech. - Environmental Engineering	6	6
16.	M.Tech. - Internal Combustion Engines	15	14
17.	M.Tech. - Industrial Engineering	7	6
18.	M.Tech. - Industrial Safety Engineering	8	8
19.	M.Tech. - Information and Cyber Security	3	3
20.	M.Tech. - Machine Design	6	6
21.	M.Tech. - Metallurgical and Material Science Engineering	6	4
22.	M.Tech. - Robotics	1	1
23.	M.Tech. - Structural Engineering	10	9
24.	M.Tech. - Thermal Engineering	6	4
25.	M.B.A.	43	40
TOTAL		1338	1089

D. 



Total number of final year students who passed in the university examination	1089
Total number of final year students who appeared for the examination	1338
Percentage	81.39%



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CONTROLLER OF EXAMINATIONS

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