HERITAGE INSTITUTE OF TECHNOLOGY

RESULT OF FINAL YEAR B.TECH, M.TECH & MCA EXAMINATIONS, 2020-21

Placed for

Approval of
Academic Council
12.8.2021

Principal
Heritage Institute of Technology

Controller of Examinations
Heritage Institute of Technology

RESULT ANALYSIS - EVEN SEM, 2021
4TH YEAR - B.TECH

Computer Science & Engineering (Theory)							
No. of students = 221							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
HMTS 4201: Organizational Behavior	1	129	81	7	2	0	1
(%)	0.45	58.37	36.65	3.17	0.90	0.00	0.45
CSEN 4244/45/46:Pattern Recognition/Social Network Analysis/Mobile Computing	25	75	90	23	6	1	1
(%)	11.31	33.94	40.72	10.41	2.71	0.45	0.45
CSEN 4261/62/63/64:Distributed Databases/Image Processing/Soft Computing/Machine Learning	13	99	67	33	8	0	1
(%)	5.88	44.80	30.32	14.93	3.62	0.00	0.45
BIOT 4181/ECEN 4182/ MATH 4181/MATH 4182:Computional Biology/VLSI Design/Advanced Probability and Statistics/Advanced Computational Mathematics and Graph Theory	38	107	47	24	5	0	0
(%)	17.19	48.42	21.27	10.86	2.26	0.00	0.00

Computer Science & Engineering (Lab & Sessional)							
No. of students = 221							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
CSEN 4271/72/73/74: Distributed Databases Lab/Image Processing Lab/Soft Computing Lab/Machine Learning Lab	54	59	47	33	20	5	3
(%)	24.43	26.70	21.27	14.93	9.05	2.26	1.36
CSEN 4231: Grand Viva	43	60	70	46	0	0	2
(%)	19.46	27.15	31.67	20.81	0.00	0.00	0.90
CSEN 4291: Project II	83	77	50	10	0	0	1
(%)	37.56	34.84	22.62	4.52	0.00	0.00	0.45

Information Technology (Theory)							
No. of students = 63							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
HMTS 4201: Organizational Behavior	0	15	35	13	0	0	0
(%)	0.00	23.81	55.56	20.63	0.00	0.00	0.00
INFO 4243:Cryptography & Network Security	4	33	21	1	3	1	0
(%)	6.35	52.38	33.33	1.59	4.76	1.59	0.00
AEIE 4182/ BIOT 4181/ MATH 4181:Control Systems and Applications/Computational Biology/Advanced Probability and Statistics	15	24	17	6	0	1	0
(%)	23.81	38.10	26.98	9.52	0.00	1.59	0.00

Information Technology (Lab & Sessional)							
No. of students = 63							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
INFO 4231 : Grand Viva	6	23	25	5	4	0	0
(%)	9.52	36.51	39.68	7.94	6.35	0.00	0.00
INFO 4291: Project II	9	31	14	7	2	0	0
(%)	14.29	49.21	22.22	11.11	3.17	0.00	0.00

Electronics & Communication Engineering (Theory)							
No. of students = 211							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
HMTS 4201: Organizational Behavior	3	75	113	19	1	0	0
(%)	1.42	35.55	53.55	9.00	0.47	0.00	0.00
ECEN 4241/42/43: Remote Sensing using Satellites /Computer Organization/Alternative Energy Sources	24	70	75	40	1	0	1
(%)	11.37	33.18	35.55	18.96	0.47	0.00	0.47
CHEN 4282/CSEN 4281/CSEN 4282/INFO 4281/INFO 4282/MATH 4281:Total Quality Management & Assurance/Fundamentals of RDBMS/Basics of Mobile Computing/Fundamentals of Cryptography/Soft Computing Application/Advanced Probability and Statistics	14	76	70	43	5	2	1
(%)	6.64	36.02	33.18	20.38	2.37	0.95	0.47

Electronics & Communication Engineering (Lab & Sessional)							
No. of students = 211							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
ECEN 4231: Grand Viva	53	71	77	10	0	0	0
(%)	25.12	33.65	36.49	4.74	0.00	0.00	0.00
ECEN 4291: Project II	91	76	35	9	0	0	0
(%)	43.13	36.02	16.59	4.27	0.00	0.00	0.00

Biotechnology (Theory)							
No. of students = 52							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
HMTS 4203: Bioethics & IPR	2	28	16	6	0	0	0
(%)	3.85	53.85	30.77	11.54	0.00	0.00	0.00
BIOT 4241/42/46: Renewable Energy Technology/Tissue Engineering/Medical & Pharmaceutical Biotechnology	17	22	12	1	0	0	0
(%)	32.69	42.31	23.08	1.92	0.00	0.00	0.00
CHEN 4281/CHEN 4282 :Catalytic Reactor Design/Total Quality Management & Assurance	24	15	12	0	1	0	0
(%)	46.15	28.85	23.08	0.00	1.92	0.00	0.00

Biotechnology (Lab & Sessional)							
No. of students = 52							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
BIOT 4231 : Grand Viva	8	27	13	3	1	0	0
(%)	15.38	51.92	25.00	5.77	1.92	0.00	0.00
BIOT 4291: Project II	37	12	2	0	0	1	0
(%)	71.15	23.08	3.85	0.00	0.00	1.92	0.00

Applied Electronics & Instrumentation Engineering (Theory)							
No. of students = 60							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
HMTS 4201: Organizational Behavior	1	40	18	1	0	0	0
(%)	1.67	66.67	30.00	1.67	0.00	0.00	0.00
AEIE 4241/43: Analytical Instrumentation/Digital Control Systems	12	37	10	1	0	0	0
(%)	20.00	61.67	16.67	1.67	0.00	0.00	0.00
BIOT 4281/CSEN 4281/ECEN 4281:Computional Biology/Fundamentals of RDBMS/Cellular and Satellite Communications	6	19	29	6	0	0	0
(%)	10.00	31.67	48.33	10.00	0.00	0.00	0.00

Applied Electronics & Instrumentation Engineering (Lab & Sessional)							
No. of students = 60							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
AEIE 4231 : Comprehensive Viva Voce	16	31	13	0	0	0	0
(%)	26.67	51.67	21.67	0.00	0.00	0.00	0.00
AEIE 4232 : Technical Seminar II	16	31	13	0	0	0	0
(%)	26.67	51.67	21.67	0.00	0.00	0.00	0.00
AEIE 4291: Project II	22	38	0	0	0	0	0
(%)	36.67	63.33	0.00	0.00	0.00	0.00	0.00

Chemical Engineering (Theory)							
No. of students = 64							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
HMTS 4201: Organizational Behavior	0	28	32	2	2	0	0
(%)	0.00	43.75	50.00	3.13	3.13	0.00	0.00
CHEN 4241/42/43: Catalysis and Catalytic Reactor Design/Total Quality Management/Environmental Engineering & Pollution Control	31	31	1	1	0	0	0
(%)	48.44	48.44	1.56	1.56	0.00	0.00	0.00
AEIE 4282/MECH 4283: Control Systems and Applications/Modern Manufacturing Technology	31	28	5	0	0	0	0
(%)	48.44	43.75	7.81	0.00	0.00	0.00	0.00

Chemical Engineering (Lab & Sessional)							
No. of students = 64							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
CHEN 4221 : Plant Design	5	47	13	1	0	0	0
(%)	7.81	73.44	20.31	1.56	0.00	0.00	0.00
CHEN 4231 : Comprehensive Viva Voce	2	24	32	6	0	0	0
(%)	3.13	37.50	50.00	9.38	0.00	0.00	0.00
CHEN 4291 : Project II	2	24	32	6	0	0	0
(%)	3.13	37.50	50.00	9.38	0.00	0.00	0.00

Mechanical Engineering (Theory)							
No. of students = 139							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
HMTS 4202: Project Management	0	61	64	11	2	0	1
(%)	0.00	43.88	46.04	7.91	1.44	0.00	0.72
CIVL 4283/HMTS 4281: Project Planning and Management/ Introduction to Industrial Sociology	53	42	32	11	1	0	0
(%)	38.13	30.22	23.02	7.91	0.72	0.00	0.00

Mechanical Engineering (Lab & Sessional)							
No. of students = 139							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
MECH 4211 : Advanced Manufacturing Lab	29	41	34	24	8	3	0
(%)	20.86	29.50	24.46	17.27	5.76	2.16	0.00
MECH 4221 : Design of an Industrial Product	38	57	33	9	2	0	0
(%)	27.34	41.01	23.74	6.47	1.44	0.00	0.00
MECH 4231: Comprehensive Viva Voce	18	56	37	22	5	1	0
(%)	12.95	40.29	26.62	15.83	3.60	0.72	0.00
MECH 4291: Project II	55	67	15	2	0	0	0
(%)	39.57	48.20	10.79	1.44	0.00	0.00	0.00

Civil Engineering (Theory)							
No. of students = 140							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
HMTS 4201:Organizational Behavior	4	84	37	14	1	0	0
(%)	2.86	60.00	26.43	10.00	0.71	0.00	0.00
CIVL 4201:Construction Planning and Project Management	97	40	3	0	0	0	0
(%)	69.29	28.57	2.14	0.00	0.00	0.00	0.00
CIVL 4242: Traffic Engineering and Transportation Planning	38	101	1	0	0	0	0
(%)	27.14	72.14	0.71	0.00	0.00	0.00	0.00
BIOT 4282/CHEN 4282/MECH 4281/MECH 4283: Non-conventional Energy/Total Quality Management & Assurance/Mechanical Handling of Materials/Modern Manufacturing Technology	46	45	36	11	2	0	0
(%)	32.86	32.14	25.71	7.86	1.43	0.00	0.00

Civil Engineering (Lab & Sessional)							
No. of students = 140							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
CIVL 4231: Comprehensive Viva Voce	30	67	26	15	1	0	1
(%)	21.43	47.86	18.57	10.71	0.71	0.00	0.71
CIVL 4291: Project II	53	62	20	2	3	0	0
(%)	37.86	44.29	14.29	1.43	2.14	0.00	0.00

Electrical Engineering (Theory)							
No. of students =74							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
HMTS 4201:Organizational Behavior	0	29	42	3	0	0	0
(%)	0.00	39.19	56.76	4.05	0.00	0.00	0.00
BIOT 4282/CHEN 4282: Non-conventional Energy/Total Quality Management & Assurance	46	27	0	0	1	0	0
(%)	62.16	36.49	0.00	0.00	1.35	0.00	0.00

Electrical Engineering (Lab & Sessional)							
No. of students = 74							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
ELEC 4032: Seminar-II	2	26	38	7	1	0	0
(%)	2.70	35.14	51.35	9.46	1.35	0.00	0.00
ELEC 4221: Electrical System Design	4	53	14	3	0	0	0
(%)	5.41	71.62	18.92	4.05	0.00	0.00	0.00
ELEC 4231: Comprehensive Viva Voce	6	12	27	27	2	0	0
(%)	8.11	16.22	36.49	36.49	2.70	0.00	0.00
ELEC 4291: Project II	10	26	33	5	0	0	0
(%)	13.51	35.14	44.59	6.76	0.00	0.00	0.00

RESULT ANALYSIS - EVEN SEM, 2021
2ND YEAR - M.TECH

Computer Science & Engineering (Sessional)							
No. of students = 11							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
CSEN 6295: Dissertation Phase II	8	2	1	0	0	0	0
(%)	72.73	18.18	9.09	0.00	0.00	0.00	0.00
CSEN 6297: Comprehensive Viva-Voce	3	1	1	5	1	0	0
(%)	27.27	9.09	9.09	45.45	9.09	0.00	0.00

Electronics & Communication Engineering (Sessional)							
No. of students = 4							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
ECEN 6295: Dissertation Phase II	0	3	0	0	1	0	0
(%)	0.00	75.00	0.00	0.00	25.00	0.00	0.00
ECEN 6297: Comprehensive Viva-Voce	1	2	0	1	0	0	0
(%)	25.00	50.00	0.00	25.00	0.00	0.00	0.00

ECE - VLSI (Sessional)							
No. of students = 7							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
VLSI 6295: Dissertation Phase II	4	1	1	1	0	0	0
(%)	57.14	14.29	14.29	14.29	0.00	0.00	0.00
VLSI 6297 : Comprehensive Viva-Voce	2	3	1	1	0	0	0
(%)	28.57	42.86	14.29	14.29	0.00	0.00	0.00

Biotechnology (Sessional)							
No. of students =13							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
BIOT 6295 : Dissertation Phase II	10	3	0	0	0	0	0
(%)	76.92	23.08	0.00	0.00	0.00	0.00	0.00
BIOT 6297 : Comprehensive Viva-Voce	0	4	5	4	0	0	0
(%)	0.00	30.77	38.46	30.77	0.00	0.00	0.00

Applied Electronics & Instrumentation Engineering (Sessional)							
No. of students =8							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
AEIE 6295 : Dissertation Phase II	5	3	0	0	0	0	0
(%)	62.50	37.50	0.00	0.00	0.00	0.00	0.00
AEIE 6297 : Comprehensive Viva-Voce	4	4	0	0	0	0	0
(%)	50.00	50.00	0.00	0.00	0.00	0.00	0.00

RESULT ANALYSIS - EVEN SEM, 2021
3RD YEAR – MCA

Master of Computer Application (Sessional)							
No. of students =46							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
MCAP 3221 : Comprehensive Viva	10	23	10	2	0	0	1
(%)	21.74	50.00	21.74	4.35	0.00	0.00	2.17
MCAP 3295 : Major Project and Seminar	12	24	6	2	1	0	1
(%)	26.09	52.17	13.04	4.35	2.17	0.00	2.17

HERITAGE INSTITUTE OF TECHNOLOGY

RESULT OF 3rd YEAR B.TECH, EXAMINATIONS, 2020-21

Placed for

Approval of
Academic Council
22.10.2021

Principal
Heritage Institute of Technology

Controller of Examinations
Heritage Institute of Technology

RESULT ANALYSIS - EVEN SEM, 2021
3RD YEAR - B.TECH

Computer Science & Engineering (Theory)							
No. of students = 217							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
HMTS 3201: Economics for Engineers	4	111	84	14	0	0	4
(%)	1.84	51.15	38.71	6.45	0.00	0.00	1.84
INCO 3016: Indian Constitution and Civil Society	0	0	68	127	22	0	0
(%)	0.00	0.00	31.34	58.53	10.14	0.00	0.00
CSEN 3201: Software Engineering	159	54	3	1	0	0	0
(%)	73.27	24.88	1.38	0.46	0.00	0.00	0.00
CSEN 3202: Computer Networks	13	87	79	30	6	0	2
(%)	5.99	40.09	36.41	13.82	2.76	0.00	0.92
CSEN 3232/CSEN 3233/CSEN 3235: Enterprise Application in Java EE/ Machine Learning/ Cloud Computing	6	84	97	23	5	2	0
(%)	2.76	38.71	44.70	10.60	2.30	0.92	0.00
AEIE 3221/CHEN 3221/ ECEN 3221/ ECEN 3222/MATH 3221: Fundamentals of Sensors and Transducers/Water and Liquid Waste Management/ Artificial Intelligence in Radio Communication/Designing with Processors and Controllers/Computational Mathematics	142	44	20	6	3	0	2
(%)	65.44	20.28	9.22	2.76	1.38	0.00	0.92

Information Technology (Theory)							
No. of students = 63							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
HMTS 3201: Economics for Engineers	0	38	21	4	0	0	0
(%)	0.00	60.32	33.33	6.35	0.00	0.00	0.00
INFO 3201: Computer Networks	1	24	22	13	2	0	1
(%)	1.59	38.10	34.92	20.63	3.17	0.00	1.59
INFO 3202: Data Analytics	6	33	14	8	2	0	0
(%)	9.52	52.38	22.22	12.70	3.17	0.00	0.00
INFO 3211: Digital Image Processing	0	25	25	12	0	1	0
(%)	0.00	39.68	39.68	19.05	0.00	1.59	0.00
INFO 3232/ INFO 3233: E-Commerce & ERP/ Cryptography & Network Security	11	25	21	3	2	1	0
(%)	17.46	39.68	33.33	4.76	3.17	1.59	0.00
ECEN 3222/ELEC 3221/MATH 3222: Designing with Processors and Controllers/Fundamentals of Circuit Theory/Advanced Probability and Information Theory	4	40	16	2	1	0	0
(%)	6.35	63.49	25.40	3.17	1.59	0.00	0.00

Electronics & Communication Engineering (Theory)							
No. of students = 189							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
HMTS 3201: Economics for Engineers	10	102	61	12	0	0	4
(%)	5.29	53.97	32.28	6.35	0.00	0.00	2.12
INCO 3016: Indian Constitution and Civil Society	0	0	21	112	52	2	2
(%)	0.00	0.00	11.11	59.26	27.51	1.06	1.06
CSEN 3208: Object Oriented Programming Concept by using C++	14	89	70	14	1	0	1
(%)	7.41	47.09	37.04	7.41	0.53	0.00	0.53
ECEN 3201: Digital VLSI Design	20	107	52	8	1	0	1
(%)	10.58	56.61	27.51	4.23	0.53	0.00	0.53
ECEN 3211: Wireless and Cellular Communication	24	81	65	14	0	4	1
(%)	12.70	42.86	34.39	7.41	0.00	2.12	0.53
ECEN 3231/ECEN 3232/ECEN 3234: Digital Image Processing & Pattern Recognition/IoT for Communication /Network Security	79	92	15	2	0	0	1
(%)	41.80	48.68	7.94	1.06	0.00	0.00	0.53
AEIE 3221/CSEN 3221/ ECEN 3221/ MATH 3222: Fundamentals of Sensors and Transducers/Fundamentals of RDBMS / Artificial Intelligence in Radio Communication/Advanced Probability and Information Theory	41	80	49	10	1	2	6
(%)	21.69	42.33	25.93	5.29	0.53	1.06	3.17

Biotechnology (Theory)							
No. of students = 58							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
HMTS 3201: Economics for Engineers	1	53	2	1	1	0	0
(%)	1.72	91.38	3.45	1.72	1.72	0.00	0.00
CSEN 3207: RDBMS Concept and Computer Networking	0	25	24	9	0	0	0
(%)	0.00	43.10	41.38	15.52	0.00	0.00	0.00
BIOT 3201: Immunology	15	36	5	1	1	0	0
(%)	25.86	62.07	8.62	1.72	1.72	0.00	0.00
BIOT 3202: Bioreactor Design and Analysis	45	7	6	0	0	0	0
(%)	77.59	12.07	10.34	0.00	0.00	0.00	0.00
BIOT 3211: Plant Biotechnology	20	27	9	1	0	1	0
(%)	34.48	46.55	15.52	1.72	0.00	1.72	0.00
BIOT 3231/BIOT 3232: Molecular Modelling and Drug Designing/Biophysics of Macromolecules	19	15	15	5	3	1	0
(%)	32.76	25.86	25.86	8.62	5.17	1.72	0.00
BIOT 3221: Medical and Pharmaceutical Biotechnology	19	30	6	1	2	0	0
(%)	32.76	51.72	10.34	1.72	3.45	0.00	0.00

Applied Electronics & Instrumentation Engineering (Theory)							
No. of students = 60							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
HMTS 3201: Economics for Engineers	14	33	10	3	0	0	0
(%)	23.33	55.00	16.67	5.00	0.00	0.00	0.00
INCO 3016: Indian Constitution and Civil Society	0	0	16	37	6	1	0
(%)	0.00	0.00	26.67	61.67	10.00	1.67	0.00
CSEN 3206: Basics of RDBMS	1	7	49	3	0	0	0
(%)	1.67	11.67	81.67	5.00	0.00	0.00	0.00
AEIE 3201: Introduction to Internet of Things	24	33	1	1	0	0	1
(%)	40.00	55.00	1.67	1.67	0.00	0.00	1.67
AEIE 3231/AEIE 3232: Embedded Systems/Opto Electronics and Fibre Optics	17	39	3	0	0	1	0
(%)	28.33	65.00	5.00	0.00	0.00	1.67	0.00
CHEN 3221/ECEN 3222/ INFO 3221/MATH 3222: Water and Liquid Waste Management/Designing with Processors and Controllers/Introduction to E-Commerce/ Advanced Probability and Information Theory	2	13	21	20	4	0	0
(%)	3.33	21.67	35.00	33.33	6.67	0.00	0.00

Chemical Engineering (Theory)							
No. of students = 64							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
HMTS 3201: Economics for Engineers	0	15	35	11	1	0	2
(%)	0.00	23.44	54.69	17.19	1.56	0.00	3.13
INCO 3016: Indian Constitution and Civil Society	0	0	8	46	7	1	2
(%)	0.00	0.00	12.50	71.88	10.94	1.56	3.13
CHEN 3201: Process Control and Instrumentation	32	24	5	1	0	2	0
(%)	50.00	37.50	7.81	1.56	0.00	3.13	0.00
CHEN 3202: Mass Transfer II	21	31	6	4	0	2	0
(%)	32.81	48.44	9.38	6.25	0.00	3.13	0.00
CHEN 3231/CHEN 3232/CHEN 3233: Computational Fluid Dynamics/Novel Separation Process/ Nanotechnology	22	14	11	11	4	0	2
(%)	34.38	21.88	17.19	17.19	6.25	0.00	3.13
AEIE 3222/INFO 3221: Fundamentals of Electronic Measurements/Introduction to E-Commerce	14	16	15	16	1	1	1
(%)	21.88	25.00	23.44	25.00	1.56	1.56	1.56

Mechanical Engineering (Theory)							
No. of students = 120							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
HMTS 3201: Economics for Engineers	0	48	62	10	0	0	0
(%)	0.00	40.00	51.67	8.33	0.00	0.00	0.00
MECH 3201: Machine Design-II	41	58	17	4	0	0	0
(%)	34.17	48.33	14.17	3.33	0.00	0.00	0.00
MECH 3211: IC Engine	13	61	36	8	1	1	0
(%)	10.83	50.83	30.00	6.67	0.83	0.83	0.00
MECH 3231/MECH 3232/MECH 3233: Finite Element Method/ Mechatronics & Control systems/Advanced Fluid Mechanics	11	69	31	7	2	0	0
(%)	9.17	57.50	25.83	5.83	1.67	0.00	0.00
MECH 3236/ MECH 3237/MECH 3238/MECH 3239: Total Quality Management/Turbo Machinery/ Aerodynamics/Tool Engineering	22	49	34	13	1	1	0
(%)	18.33	40.83	28.33	10.83	0.83	0.83	0.00
MECH 3221/MECH 3222/MECH 3223/MECH 3224: Computational Fluid Dynamics/ Advanced Welding Technology/New Product Development/Industrial Engineering	27	46	26	14	5	2	0
(%)	22.50	38.33	21.67	11.67	4.17	1.67	0.00

Civil Engineering (Theory)							
No. of students = 127							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
HMTS 3201: Economics for Engineers	3	72	48	3	0	0	1
(%)	2.36	56.69	37.80	2.36	0.00	0.00	0.79
CIVL 3201: Design of Steel Structures	55	39	22	9	1	0	1
(%)	43.31	30.71	17.32	7.09	0.79	0.00	0.79
CIVL 3214: Project Planning and Management	39	85	1	0	0	0	2
(%)	30.71	66.93	0.79	0.00	0.00	0.00	1.57
CIVL 3241: Air and Noise Pollutions	44	81	1	0	0	0	1
(%)	34.65	63.78	0.79	0.00	0.00	0.00	0.79
CIVL 3221: Repair & Rehabilitation of Structures	5	37	68	15	0	0	2
(%)	3.94	29.13	53.54	11.81	0.00	0.00	1.57

Electrical Engineering (Theory)							
No. of students = 64							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
HMTS 3201: Economics for Engineers	1	40	19	4	0	0	0
(%)	1.56	62.50	29.69	6.25	0.00	0.00	0.00
ELEC 3201 : Power System - II	24	35	5	0	0	0	0
(%)	37.50	54.69	7.81	0.00	0.00	0.00	0.00
ELEC 3202: Microprocessor & Microcontroller	18	37	6	3	0	0	0
(%)	28.13	57.81	9.38	4.69	0.00	0.00	0.00
ELEC 3211: Electric Drives	0	35	22	6	0	1	0
(%)	0.00	54.69	34.38	9.38	0.00	1.56	0.00
ELEC 3241: Illumination Engineering	8	28	22	5	1	0	0
(%)	12.50	43.75	34.38	7.81	1.56	0.00	0.00
CSEN 3221/ECEN 3223: Fundamentals of RDBMS /Analog and Digital Communication	19	36	9	0	0	0	0
(%)	29.69	56.25	14.06	0.00	0.00	0.00	0.00

Computer Science & Engineering (Lab & Sessional)							
No. of students = 217							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
CSEN3251 : Software Engineering Lab	122	78	8	6	0	0	3
(%)	56.22	35.94	3.69	2.76	0.00	0.00	1.38
CSEN3252: Computer Networks Lab	97	62	35	13	7	1	2
(%)	44.70	28.57	16.13	5.99	3.23	0.46	0.92
CSEN3293: Term Paper and Seminar	59	99	48	6	0	4	1
(%)	27.19	45.62	22.12	2.76	0.00	1.84	0.46

Information Technology (Lab & Sessional)							
No. of students = 63							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
INFO3251 : Computer Networks Lab	17	15	16	4	6	4	1
(%)	26.98	23.81	25.40	6.35	9.52	6.35	1.59
INFO 3252: Data Analytics Lab	34	10	9	4	5	0	1
(%)	53.97	15.87	14.29	6.35	7.94	0.00	1.59
INFO 3261: Digital Image Processing Lab	17	11	17	9	4	3	2
(%)	26.98	17.46	26.98	14.29	6.35	4.76	3.17
INFO 3293: Term paper and Seminar	24	22	14	1	2	0	0
(%)	38.10	34.92	22.22	1.59	3.17	0.00	0.00

Electronics & Communication Engineering (Lab & Sessional)							
No. of students = 189							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
ECEN 3251 : Digital VLSI Design Lab	93	76	16	1	1	0	2
(%)	49.21	40.21	8.47	0.53	0.53	0.00	1.06
CSEN 3258: Object Oriented Programming Concept by using C++ Lab	43	71	44	30	0	0	1
(%)	22.75	37.57	23.28	15.87	0.00	0.00	0.53
ECEN 3261: Wireless and Cellular Communication Lab	60	88	29	9	2	0	1
(%)	31.75	46.56	15.34	4.76	1.06	0.00	0.53
ECEN 3252: Mini Project / Electronic Design workshop	55	73	51	6	2	0	2
(%)	29.10	38.62	26.98	3.17	1.06	0.00	1.06
ECEN 3293: Term Paper with Seminar	141	40	6	0	0	0	2
(%)	74.60	21.16	3.17	0.00	0.00	0.00	1.06

Biotechnology (Lab & Sessional)							
No. of students = 58							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
BIOT 3251: Immunology Lab	35	16	7	0	0	0	0
(%)	60.34	27.59	12.07	0.00	0.00	0.00	0.00
BIOT 3252: Bioreactor Design Lab	21	32	0	1	2	2	0
(%)	36.21	55.17	0.00	1.72	3.45	3.45	0.00
CSEN 3257: RDBMS Concept Lab	7	24	19	4	4	0	0
(%)	12.07	41.38	32.76	6.90	6.90	0.00	0.00
BIOT 3261: Plant Tissue Culture Lab	43	15	0	0	0	0	0
(%)	74.14	25.86	0.00	0.00	0.00	0.00	0.00
BIOT 3293: Term paper & Seminar	58	0	0	0	0	0	0
(%)	100.00	0.00	0.00	0.00	0.00	0.00	0.00

Applied Electronics & Instrumentation Engineering (Lab & Sessional)							
No. of students = 60							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
CSEN 3256: Basics of RDBMS Lab	31	12	12	5	0	0	0
(%)	51.67	20.00	20.00	8.33	0.00	0.00	0.00
AEIE 3251: Internet of Things Lab	38	14	7	1	0	0	0
(%)	63.33	23.33	11.67	1.67	0.00	0.00	0.00
AEIE 3295: Mini Project / Electronic Design workshop	49	10	1	0	0	0	0
(%)	81.67	16.67	1.67	0.00	0.00	0.00	0.00
AEIE 3293: Term Paper with Seminar	35	22	2	1	0	0	0
(%)	58.33	36.67	3.33	1.67	0.00	0.00	0.00

Chemical Engineering (Lab & Sessional)							
No. of students = 64							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
CHEN 3251: Process Control Lab	13	34	15	2	0	0	0
(%)	20.31	53.13	23.44	3.13	0.00	0.00	0.00
CHEN 3252: Mass Transfer Lab	32	17	14	1	0	0	0
(%)	50.00	26.56	21.88	1.56	0.00	0.00	0.00
CHEN 3253: Process Equipment Design & Drawing Lab	16	31	17	0	0	0	0
(%)	25.00	48.44	26.56	0.00	0.00	0.00	0.00
CHEN 3293: Term Paper with Seminar	13	36	12	1	1	0	1
(%)	20.31	56.25	18.75	1.56	1.56	0.00	1.56

Mechanical Engineering (Lab & Sessional)							
No. of students = 120							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
MECH 3256: Machining & Machine Tools Lab	17	44	33	13	9	3	1
(%)	14.17	36.67	27.50	10.83	7.50	2.50	0.83
MECH 3261: IC Engine lab	7	32	33	33	9	4	2
(%)	5.83	26.67	27.50	27.50	7.50	3.33	1.67
MECH 3281/MECH 3282/MECH 3283: Finite Element Method Lab/ Mechatronics & Control systems Lab/ Advanced Fluid Mechanics Lab	18	41	32	17	11	0	1
(%)	15.00	34.17	26.67	14.17	9.17	0.00	0.83
MECH 3293: Seminar & Term Thesis	30	40	31	17	0	2	0
(%)	25.00	33.33	25.83	14.17	0.00	1.67	0.00

Civil Engineering (Lab & Sessional)							
No. of students = 127							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
CIVL 3251: Industrial Structure Design and Detailing Lab	10	23	25	33	22	13	1
(%)	7.87	18.11	19.69	25.98	17.32	10.24	0.79
CIVL 3252: Computer-aided Structural Analysis and Design	14	17	37	33	20	5	1
(%)	11.02	13.39	29.13	25.98	15.75	3.94	0.79
CIVL 3293: Term Paper and Seminar	23	37	38	18	6	2	0
(%)	18.11	29.13	29.92	14.17	4.72	1.57	0.00

Electrical Engineering (Lab & Sessional)							
No. of students = 64							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
ELEC 3251: Power System - II Lab	13	20	18	11	2	0	0
(%)	20.31	31.25	28.13	17.19	3.13	0.00	0.00
ELEC 3252: Microprocessor & Microcontroller Lab	0	24	25	12	3	0	0
(%)	0.00	37.50	39.06	18.75	4.69	0.00	0.00
ELEC 3260: Electrical Machine Design	2	51	6	5	0	0	0
(%)	3.13	79.69	9.38	7.81	0.00	0.00	0.00
ELEC 3261: Electric Drives Lab	0	8	44	10	2	0	0
(%)	0.00	12.50	68.75	15.63	3.13	0.00	0.00
ELEC 3293: Term Paper and Seminar	3	15	26	20	0	0	0
(%)	4.69	23.44	40.63	31.25	0.00	0.00	0.00

HERITAGE INSTITUTE OF TECHNOLOGY

RESULT OF 2ND YEAR B.TECH & MCA, EXAMINATIONS, 2020-21

Placed for

Approval of
Academic Council

22.10.2021

Principal
Heritage Institute of Technology

Controller of Examinations
Heritage Institute of Technology

RESULT ANALYSIS - EVEN SEM, 2021
2ND YEAR - B.TECH & MCA

Computer Science & Engineering (Theory)							
No. of students = 215							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
EVSC 2016: Environmental Sciences	19	121	48	17	8	1	1
(%)	8.84	56.28	22.33	7.91	3.72	0.47	0.47
MATH 2201: Mathematics III	11	136	58	8	2	0	0
(%)	5.12	63.26	26.98	3.72	0.93	0.00	0.00
AEIE 2205: Microprocessors and Microcontroller	62	137	13	2	1	0	0
(%)	28.84	63.72	6.05	0.93	0.47	0.00	0.00
CSEN 2201: Design & Analysis of Algorithms	24	101	68	14	5	2	1
(%)	11.16	46.98	31.63	6.51	2.33	0.93	0.47
CSEN 2202 : Computer Organization and Architecture	67	129	13	5	0	1	0
(%)	31.16	60.00	6.05	2.33	0.00	0.47	0.00
CSEN 2203: Operating Systems	40	133	38	2	2	0	0
(%)	18.60	61.86	17.67	0.93	0.93	0.00	0.00

Information Technology (Theory)							
No. of students = 69							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
MATH 2201: Mathematics III	0	28	36	3	2	0	0
(%)	0.00	40.58	52.17	4.35	2.90	0.00	0.00
INFO 2201: Formal Language & Automata Theory	0	0	46	15	5	3	0
(%)	0.00	0.00	66.67	21.74	7.25	4.35	0.00
INFO 2202: Object Oriented Programming	2	45	16	6	0	0	0
(%)	2.90	65.22	23.19	8.70	0.00	0.00	0.00
INFO 2203 : Computer Organization and Architecture	2	41	19	3	3	1	0
(%)	2.90	59.42	27.54	4.35	4.35	1.45	0.00
INFO 2204: Database Management Systems	10	39	12	5	1	1	1
(%)	14.49	56.52	17.39	7.25	1.45	1.45	1.45

Electronics & Communication Engineering (Theory)							
No. of students = 211							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
EVSC 2016: Environmental Sciences	24	96	52	24	8	5	2
(%)	11.37	45.50	24.64	11.37	3.79	2.37	0.95
MATH 2202: Advanced Numerical Methods	78	85	33	9	5	1	0
(%)	36.97	40.28	15.64	4.27	2.37	0.47	0.00
ECEN 2201: Analog Communication	111	74	19	4	2	0	1
(%)	52.61	35.07	9.00	1.90	0.95	0.00	0.47
ECEN 2202: Digital Systems Design	98	90	17	4	0	0	2
(%)	46.45	42.65	8.06	1.90	0.00	0.00	0.95
ECEN 2203 : EM Theory & Transmission Lines	118	81	11	0	0	1	0
(%)	55.92	38.39	5.21	0.00	0.00	0.47	0.00
ECEN 2204: Electronic Devices	25	96	61	25	2	1	1
(%)	11.85	45.50	28.91	11.85	0.95	0.47	0.47
ECEN 2211: Control Systems	143	45	18	4	0	1	0
(%)	67.77	21.33	8.53	1.90	0.00	0.47	0.00

Biotechnology (Theory)							
No. of students = 59							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
CSEN 2005: Data Structure	31	18	7	2	1	0	0
(%)	52.54	30.51	11.86	3.39	1.69	0.00	0.00
BIOT 2201: Thermodynamics & Kinetics	56	3	0	0	0	0	0
(%)	94.92	5.08	0.00	0.00	0.00	0.00	0.00
BIOT 2202: Transfer Operation - I	47	8	4	0	0	0	0
(%)	79.66	13.56	6.78	0.00	0.00	0.00	0.00
BIOT 2203 : Molecular Biology	1	26	21	5	6	0	0
(%)	1.69	44.07	35.59	8.47	10.17	0.00	0.00
BIOT 2204: Industrial Microbiology & Enzyme Technology	6	36	12	5	0	0	0
(%)	10.17	61.02	20.34	8.47	0.00	0.00	0.00
BIOT 2211: Bioseparation Technology	51	8	0	0	0	0	0
(%)	86.44	13.56	0.00	0.00	0.00	0.00	0.00

Applied Electronics & Instrumentation Engineering (Theory)							
No. of students = 53							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
EVSC 2016: Environmental Sciences	1	23	12	10	4	2	1
(%)	1.89	43.40	22.64	18.87	7.55	3.77	1.89
CSEN 2004: Data Structure and Basic Algorithms	28	19	4	2	0	0	0
(%)	52.83	35.85	7.55	3.77	0.00	0.00	0.00
AEIE 2201: Digital Electronics	3	41	7	0	2	0	0
(%)	5.66	77.36	13.21	0.00	3.77	0.00	0.00
AEIE 2202 : Industrial Instrumentation	0	4	32	14	3	0	0
(%)	0.00	7.55	60.38	26.42	5.66	0.00	0.00
AEIE 2203: Electrical and Electronic Measurements	3	38	8	2	2	0	0
(%)	5.66	71.70	15.09	3.77	3.77	0.00	0.00
AEIE 2204: Control Systems	6	34	7	3	1	1	1
(%)	10.17	57.63	11.86	5.08	1.69	1.69	1.69

Chemical Engineering (Theory)							
No. of students = 55							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
EVSC 2016: Environmental Sciences	6	22	18	4	3	1	1
(%)	10.91	40.00	32.73	7.27	5.45	1.82	1.82
HMTS 2001: Human Values and Professional Ethics	0	1	26	25	2	1	0
(%)	0.00	1.82	47.27	45.45	3.64	1.82	0.00
CHEM 2201: Chemistry II	4	24	16	7	3	1	0
(%)	7.27	43.64	29.09	12.73	5.45	1.82	0.00
CHEN 2201 : Heat Transfer	6	29	9	6	3	1	1
(%)	10.91	52.73	16.36	10.91	5.45	1.82	1.82
CHEN 2202: Transport Phenomena	19	19	10	6	0	0	1
(%)	34.55	34.55	18.18	10.91	0.00	0.00	1.82
CHEN 2203: Thermodynamics II	1	27	13	9	4	0	1
(%)	1.82	49.09	23.64	16.36	7.27	0.00	1.82
CHEN 2204: Material Science	0	12	20	12	7	3	1
(%)	0.00	21.82	36.36	21.82	12.73	5.45	1.82

Mechanical Engineering (Theory)							
No. of students = 122							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
MECH 2201: Strength of Materials	25	64	24	7	1	0	1
(%)	20.49	52.46	19.67	5.74	0.82	0.00	0.82
MECH 2202: Fluid Machinery	0	28	72	18	3	1	0
(%)	0.00	22.95	59.02	14.75	2.46	0.82	0.00
MECH 2203: Engineering Thermodynamics	5	68	37	10	2	0	0
(%)	4.10	55.74	30.33	8.20	1.64	0.00	0.00
MECH 2204 : Manufacturing Processes	24	65	31	2	0	0	0
(%)	19.67	53.28	25.41	1.64	0.00	0.00	0.00
MECH 2205: Kinematics of Machines	17	69	27	6	2	1	0
(%)	13.93	56.56	22.13	4.92	1.64	0.82	0.00
MECH 2211 : Mechanical Measurement and Instrumentation	41	54	19	7	1	0	0
(%)	33.61	44.26	15.57	5.74	0.82	0.00	0.00

Civil Engineering (Theory)							
No. of students = 128							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
HMTS 2001: Human Values & Professional Ethics	15	30	20	53	7	3	0
(%)	11.72	23.44	15.63	41.41	5.47	2.34	0.00
MATH 2001: Mathematical Methods	19	51	25	23	9	0	1
(%)	14.84	39.84	19.53	17.97	7.03	0.00	0.78
CIVL 2201: Structural Analysis I	63	38	19	7	0	1	0
(%)	49.22	29.69	14.84	5.47	0.00	0.78	0.00
CIVL 2202 :Soil Mechanics II	2	36	47	21	14	7	1
(%)	1.56	28.13	36.72	16.41	10.94	5.47	0.78
CIVL 2203: Surveying	94	28	6	0	0	0	0
(%)	73.44	21.88	4.69	0.00	0.00	0.00	0.00
CIVL 2204 : Highway and Traffic Engineering	19	108	0	1	0	0	0
(%)	14.84	84.38	0.00	0.78	0.00	0.00	0.00

Electrical Engineering (Theory)							
No. of students = 57							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
EVSC 2016: Environmental Sciences	20	22	10	5	0	0	0
(%)	35.09	38.60	17.54	8.77	0.00	0.00	0.00
MATH 2001: Mathematical Methods	4	38	13	2	0	0	0
(%)	7.02	66.67	22.81	3.51	0.00	0.00	0.00
ELEC 2201: Electrical Machine I	5	40	11	1	0	0	0
(%)	8.77	70.18	19.30	1.75	0.00	0.00	0.00
ELEC 2202:Signals & Systems	15	31	11	0	0	0	0
(%)	26.32	54.39	19.30	0.00	0.00	0.00	0.00
ELEC 2203:Basic Thermal Power Engineering	3	21	20	9	4	0	0
(%)	5.26	36.84	35.09	15.79	7.02	0.00	0.00
ELEC 2204: Field Theory	0	29	21	7	0	0	0
(%)	0.00	50.88	36.84	12.28	0.00	0.00	0.00
PHYS 2011: Physics II	0	17	27	9	4	0	0
(%)	0.00	29.82	47.37	15.79	7.02	0.00	0.00

Master of Computer Application (Theory)							
No. of students = 54							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
MCAP 2201 : Computer Communication Networks	6	26	14	6	1	0	1
(%)	11.11	48.15	25.93	11.11	1.85	0.00	1.85
MCAP 2202 : Web Technology	38	10	5	0	1	0	0
(%)	70.37	18.52	9.26	0.00	1.85	0.00	0.00
MCAP 2203: Artificial Intelligence and Applications	0	5	24	20	3	2	0
(%)	0.00	9.26	44.44	37.04	5.56	3.70	0.00
MCAP 2250 / MCAP 2252: Soft Computing/Compiler Design	6	31	10	3	0	4	0
(%)	11.11	57.41	18.52	5.56	0.00	7.41	0.00
MCAP 2262 /MCAP 2263: Cryptography and Network Security/Ecommerce and ERP	2	30	17	4	0	1	0
(%)	3.70	55.56	31.48	7.41	0.00	1.85	0.00

Computer Science & Engineering (Lab)							
No. of students = 215							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
CSEN 2251 : Design & Analysis of Algorithms Lab	104	36	29	28	12	5	1
(%)	48.37	16.74	13.49	13.02	5.58	2.33	0.47
CSEN 2252: Computer Architecture Lab	129	65	13	5	0	0	3
(%)	60.00	30.23	6.05	2.33	0.00	0.00	1.40
CSEN 2253: Operating Systems Lab	119	62	17	7	3	3	4
(%)	55.35	28.84	7.91	3.26	1.40	1.40	1.86
AEIE 2255 : Microprocessors and Microcontroller Lab	131	68	12	2	1	0	1
(%)	60.93	31.63	5.58	0.93	0.47	0.00	0.47

Information Technology (Lab)							
No. of students = 69							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
INFO 2252 : Object Oriented Programming Lab	18	21	20	5	2	1	2
(%)	26.09	30.43	28.99	7.25	2.90	1.45	2.90
INFO 2253: Computer Organization and Architecture Lab	40	14	7	4	3	1	0
(%)	57.97	20.29	10.14	5.80	4.35	1.45	0.00
INFO 2254: Database Management Systems Lab	30	23	10	4	1	1	0
(%)	43.48	33.33	14.49	5.80	1.45	1.45	0.00

Electronics & Communication Engineering (Lab)							
No. of students = 211							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
MATH 2253 : Advanced Numerical Methods Lab	70	90	34	8	3	2	4
(%)	33.18	42.65	16.11	3.79	1.42	0.95	1.90
ECEN 2251: Analog Communication Lab	103	85	17	0	3	1	2
(%)	48.82	40.28	8.06	0.00	1.42	0.47	0.95
ECEN 2252: Digital Systems Design Lab	76	128	0	2	0	0	5
(%)	36.02	60.66	0.00	0.95	0.00	0.00	2.37
ECEN 2253 : EM Theory & Transmission Lines lab	76	117	16	0	0	0	2
(%)	36.02	55.45	7.58	0.00	0.00	0.00	0.95
ECEN 2261 : Control Systems lab	115	64	20	7	1	0	4
(%)	54.50	30.33	9.48	3.32	0.47	0.00	1.90

Biotechnology (Lab)							
No. of students = 59							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
BIOT 2252 : Transfer Operation - I Lab	40	18	0	0	0	0	1
(%)	67.80	30.51	0.00	0.00	0.00	0.00	1.69
BIOT 2253: Molecular Biology Lab	10	25	22	1	0	1	0
(%)	16.95	42.37	37.29	1.69	0.00	1.69	0.00
BIOT 2254: Enzyme Technology & Fermentation Technology Lab	27	29	3	0	0	0	0
(%)	45.76	49.15	5.08	0.00	0.00	0.00	0.00
CSEN 2055: Data Structure Lab	38	17	3	1	0	0	0
(%)	64.41	28.81	5.08	1.69	0.00	0.00	0.00

Applied Electronics & Instrumentation Engineering (Lab)							
No. of students = 53							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
CSEN 2054 : Data Structure and Basic Algorithms Lab	34	15	1	2	1	0	0
(%)	64.15	28.30	1.89	3.77	1.89	0.00	0.00
AEIE 2251: Digital Electronics Lab	37	9	4	2	1	0	0
(%)	69.81	16.98	7.55	3.77	1.89	0.00	0.00
AEIE 2252: Industrial Instrumentation Lab	11	31	9	1	1	0	0
(%)	20.75	58.49	16.98	1.89	1.89	0.00	0.00
AEIE 2253:Electrical and Electronic Measurements Lab	41	8	2	2	0	0	0
(%)	77.36	15.09	3.77	3.77	0.00	0.00	0.00
AEIE 2254: Control Systems Lab	33	14	4	1	1	0	0
(%)	62.26	26.42	7.55	1.89	1.89	0.00	0.00

Chemical Engineering (Lab)							
No. of students = 55							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
CHEN 2251 : Heat Transfer Lab	9	20	19	3	1	2	1
(%)	16.36	36.36	34.55	5.45	1.82	3.64	1.82
CHEN 2252 : Programming Basics for Numerical Computation	22	20	7	5	0	0	1
(%)	40.00	36.36	12.73	9.09	0.00	0.00	1.82
CHEN 2253: Engineering Drawing Lab	35	18	1	0	0	0	1
(%)	63.64	32.73	1.82	0.00	0.00	0.00	1.82

Mechanical Engineering (Lab)							
No. of students = 122							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
MECH 2251 : Applied Mechanics Lab	12	46	48	11	4	1	0
(%)	9.84	37.70	39.34	9.02	3.28	0.82	0.00
MECH 2252 : Fluid Mechanics & Hydraulic Machines Lab	5	29	52	28	6	1	1
(%)	4.10	23.77	42.62	22.95	4.92	0.82	0.82
MECH 2256: Machine Drawing II	18	46	25	13	14	4	2
(%)	14.75	37.70	20.49	10.66	11.48	3.28	1.64
MECH 2261: Mechanical Measurement and Instrumentation Lab	30	53	28	5	5	1	0
(%)	24.59	43.44	22.95	4.10	4.10	0.82	0.00

Civil Engineering (Lab)							
No. of students = 128							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
CIVL 2251 : Soil Mechanics Lab II	20	38	28	26	14	2	0
(%)	15.63	29.69	21.88	20.31	10.94	1.56	0.00
CIVL 2252 : Surveying Lab	54	34	23	11	5	0	1
(%)	42.19	26.56	17.97	8.59	3.91	0.00	0.78
CIVL 2253: Highway Engineering Lab	37	48	25	11	6	0	1
(%)	28.91	37.50	19.53	8.59	4.69	0.00	0.78
CIVL 2254: Quantity Survey, Specification and Valuation	36	28	30	22	10	1	1
(%)	28.13	21.88	23.44	17.19	7.81	0.78	0.78

Electrical Engineering (Lab)							
No. of students = 57							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
ELEC 2251: Electrical Machines I Lab	1	26	24	4	2	0	0
(%)	1.75	45.61	42.11	7.02	3.51	0.00	0.00
ELEC 2252 : Signals & Systems Lab	3	26	24	3	1	0	0
(%)	5.26	45.61	42.11	5.26	1.75	0.00	0.00
ELEC 2253: Basic Thermal Power Engineering Lab	4	16	21	12	2	1	1
(%)	7.02	28.07	36.84	21.05	3.51	1.75	1.75

Master of Computer Application (Lab)							
No. of students = 54							
Paper Code & Percentage	O (>= 90)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
MCAP 2211: Computer Network Lab	15	22	12	2	3	0	0
(%)	27.78	40.74	22.22	3.70	5.56	0.00	0.00
MCAP 2212 : Web Technology Lab	28	16	3	4	3	0	0
(%)	51.85	29.63	5.56	7.41	5.56	0.00	0.00
HMTS 2221 : Career Development and Management	3	22	17	5	7	0	0
(%)	5.56	40.74	31.48	9.26	12.96	0.00	0.00

HERITAGE INSTITUTE OF TECHNOLOGY

RESULT OF 1st YEAR B.TECH, M.TECH & MCA, EXAMINATIONS, 2020-21

Placed for

Approval of
Academic Council
22.10.2021

Principal
Heritage Institute of Technology

Controller of Examinations
Heritage Institute of Technology

RESULT ANALYSIS - EVEN SEM, 2021
1st YEAR - B.TECH

MATH 1201 (Mathematics II) (Theory)

Stream & % age	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F / FA(<40)
CSE	19	106	33	12	1	0	0
% age	11.11	61.99	19.30	7.02	0.58	0.00	0.00
IT	36	20	1	1	0	0	0
% age	62.07	34.48	1.72	1.72	0.00	0.00	0.00
ECE	26	120	28	4	2	0	2
% age	14.29	65.93	15.38	2.20	1.10	0.00	1.10
BT	1	2	24	24	4	0	1
% age	1.79	3.57	42.86	42.86	7.14	0.00	1.79
AEIE	5	45	7	3	0	0	0
% age	8.33	75.00	11.67	5.00	0.00	0.00	0.00
ChE	5	32	12	2	0	0	0
% age	9.80	62.75	23.53	3.92	0.00	0.00	0.00
ME	2	67	26	7	0	1	0
% age	1.94	65.05	25.24	6.80	0.00	0.97	0.00
CE	25	65	10	1	0	1	0
% age	24.51	63.73	9.80	0.98	0.00	0.98	0.00
EE	24	24	3	1	1	0	2
% age	43.64	43.64	5.45	1.82	1.82	0.00	3.64
CSBS	11	33	10	1	2	0	0
% age	19.30	57.89	17.54	1.75	3.51	0.00	0.00

HMTS 1202 (Business English) (Theory)

Stream & % age	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F / FA(<40)
CSE	51	99	20	0	1	0	0
% age	29.82	57.89	11.70	0.00	0.58	0.00	0.00
IT	53	5	0	0	0	0	0
% age	91.38	8.62	0.00	0.00	0.00	0.00	0.00
ECE	25	130	25	1	0	0	1
% age	13.74	71.43	13.74	0.55	0.00	0.00	0.55
BT	0	48	7	0	0	0	1
% age	0.00	85.71	12.50	0.00	0.00	0.00	1.79
AEIE	0	50	8	2	0	0	0
% age	0.00	83.33	13.33	3.33	0.00	0.00	0.00
ChE	0	38	12	0	0	1	0
% age	0.00	74.51	23.53	0.00	0.00	1.96	0.00
ME	37	34	26	4	1	0	1
% age	35.92	33.01	25.24	3.88	0.97	0.00	0.97
CE	13	71	17	1	0	0	0
% age	12.75	69.61	16.67	0.98	0.00	0.00	0.00
EE	0	25	26	2	1	0	1
% age	0.00	45.45	47.27	3.64	1.82	0.00	1.82
CSBS	22	33	2	0	0	0	0
% age	38.60	57.89	3.51	0.00	0.00	0.00	0.00

CHEM 1001 (Chemistry – I) (Theory)

Stream & % age	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F / FA(<40)
BT	0	26	24	5	0	0	1
% age	0.00	46.43	42.86	8.93	0.00	0.00	1.79
ChE	5	24	14	6	2	0	0
% age	9.80	47.06	27.45	11.76	3.92	0.00	0.00
ME	18	44	28	5	7	0	1
% age	17.48	42.72	27.18	4.85	6.80	0.00	0.97
CE	8	51	29	10	4	0	0
% age	7.84	50.00	28.43	9.80	3.92	0.00	0.00
EE	0	12	34	6	1	1	1
% age	0.00	21.82	61.82	10.91	1.82	1.82	1.82

ELEC 1001 (Basic Electrical Engineering) (Theory)

Stream & % age	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F / FA(<40)
BT	18	32	4	1	0	0	1
% age	32.14	57.14	7.14	1.79	0.00	0.00	1.79
ChE	22	22	5	1	1	0	0
% age	43.14	43.14	9.80	1.96	1.96	0.00	0.00
ME	43	42	12	4	1	0	1
% age	41.75	40.78	11.65	3.88	0.97	0.00	0.97
CE	16	71	11	3	0	1	0
% age	15.69	69.61	10.78	2.94	0.00	0.98	0.00
EE	2	45	4	2	1	0	1
% age	3.64	81.82	7.27	3.64	1.82	0.00	1.82

HMTS 1011 (Communication for Professional) (Theory)

Stream & % age	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F / FA(<40)
BT	0	48	4	3	0	0	1
% age	0.00	85.71	7.14	5.36	0.00	0.00	1.79
ChE	2	39	6	3	1	0	0
% age	3.92	76.47	11.76	5.88	1.96	0.00	0.00
ME	0	69	30	1	0	1	2
% age	0.00	66.99	29.13	0.97	0.00	0.97	1.94
CE	2	81	15	3	1	0	0
% age	1.96	79.41	14.71	2.94	0.98	0.00	0.00
EE	0	22	31	0	0	1	1
% age	0.00	40.00	56.36	0.00	0.00	1.82	1.82

PHYS 1001 (Physics I) (Theory)

Stream & % age	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F / FA(<40)
CSE	19	72	59	16	0	1	4
% age	11.11	42.11	34.50	9.36	0.00	0.58	2.34
IT	0	5	42	10	1	0	0
% age	0.00	8.62	72.41	17.24	1.72	0.00	0.00
ECE	14	124	35	4	1	2	2
% age	7.69	68.13	19.23	2.20	0.55	1.10	1.10
AEIE	0	32	23	4	1	0	0
% age	0.00	53.33	38.33	6.67	1.67	0.00	0.00
CSBS	13	33	6	4	1	0	0
% age	22.81	57.89	10.53	7.02	1.75	0.00	0.00

CSEN 1001 (Programming for Problem Solving) (Theory)

Stream & % age	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F / FA(<40)
CSE	24	72	56	16	3	0	0
% age	14.04	42.11	32.75	9.36	1.75	0.00	0.00
IT	0	33	23	2	0	0	0
% age	0.00	56.90	39.66	3.45	0.00	0.00	0.00
ECE	5	57	80	33	4	1	2
% age	2.75	31.32	43.96	18.13	2.20	0.55	1.10
AEIE	2	44	14	0	0	0	0
% age	3.33	73.33	23.33	0.00	0.00	0.00	0.00
CSBS	1	23	25	7	1	0	0
% age	1.75	40.35	43.86	12.28	1.75	0.00	0.00

ECEN 1011 (Basic Electronics) (Theory)

Stream & % age	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F / FA(<40)
CSE	79	76	15	1	0	0	0
% age	46.20	44.44	8.77	0.58	0.00	0.00	0.00
IT	44	14	0	0	0	0	0
% age	75.86	24.14	0.00	0.00	0.00	0.00	0.00
ECE	92	79	6	3	1	0	1
% age	50.55	43.41	3.30	1.65	0.55	0.00	0.55
AEIE	14	41	5	0	0	0	0
% age	23.33	68.33	8.33	0.00	0.00	0.00	0.00
CSBS	51	6	0	0	0	0	0
% age	89.47	10.53	0.00	0.00	0.00	0.00	0.00

MCA 2nd Semester, 2021
(Theory Papers)

Paper Code & % age	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F / FA(<40)
MCAP 1201: Data Structure and Algorithms	3	9	29	16	0	0	0
% age	5.26	15.79	50.88	28.07	0.00	0.00	0.00
MCAP 1202: Computer Communication Networks	5	30	16	6	0	0	0
% age	8.77	52.63	28.07	10.53	0.00	0.00	0.00
MCAP 1203: Soft Computing	6	25	20	4	2	0	0
% age	10.53	43.86	35.09	7.02	3.51	0.00	0.00
MCAP 1204: Operating Systems	0	9	31	14	3	0	0
% age	0.00	15.79	54.39	24.56	5.26	0.00	0.00
MCAP 1205: Information System Analysis and Design	0	24	31	2	0	0	0
% age	0.00	42.11	54.39	3.51	0.00	0.00	0.00

M.Tech 2nd Semester, 2021 (Theory Papers)
CSE

Paper Code & % age	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
CSEN 5201: Advanced Algorithms	0	0	0	3	21	0	1
% age	0.00	0.00	0.00	12.00	84.00	0.00	4.00
CSEN 5202: Soft Computing	0	5	11	8	1	0	0
% age	0.00	20.00	44.00	32.00	4.00	0.00	0.00
CSEN 5231: Data Preprocessing and Analysis	24	1	0	0	0	0	0
% age	96.00	4.00	0.00	0.00	0.00	0.00	0.00
CSEN 5234: Theory of Computation	0	0	3	18	3	0	1
% age	0.00	0.00	12.00	72.00	12.00	0.00	4.00
CSEN 5243: Cloud Computing	1	13	10	1	0	0	0
% age	4.00	52.00	40.00	4.00	0.00	0.00	0.00

M.Tech ECE (2nd Sem)

Paper Code & % age	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
ECEN 5201: Advanced Digital Communication Techniques	1	5	1	0	0	0	0
% age	14.29	71.43	14.29	0.00	0.00	0.00	0.00
ECEN 5202: Advanced DSP and Applications	6	1	0	0	0	0	0
% age	85.71	14.29	0.00	0.00	0.00	0.00	0.00
ECEN 5231: Telecommunication Systems and Engineering	7	0	0	0	0	0	0
% age	100.00	0.00	0.00	0.00	0.00	0.00	0.00
ECEN 5241: Cognitive Radios & Networks	0	7	0	0	0	0	0
% age	0.00	100.00	0.00	0.00	0.00	0.00	0.00
ECEN 5242: Microwave Measurement & Instrumentation	4	3	0	0	0	0	0
% age	57.14	42.86	0.00	0.00	0.00	0.00	0.00

M.Tech VLSI (2nd Sem)

Paper Code & % age	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F / FA (<40)
VLSI 5201: Analog VLSI IC Design	0	0	1	0	1	1	0
% age	0.00	0.00	33.33	0.00	33.33	33.33	0.00
VLSI 5202: VLSI Design, Testing and Verification	0	1	1	0	0	1	0
% age	0.00	33.33	33.33	0.00	0.00	33.33	0.00
VLSI 5232: Low Power VLSI Design	0	1	1	0	0	1	0
% age	0.00	33.33	33.33	0.00	0.00	33.33	0.00
VLSI 5241: Advanced VLSI Processor	1	1	1	0	0	0	0
% age	33.33	33.33	33.33	0.00	0.00	0.00	0.00
VLSI 5242: Advanced Nano Devices	0	0	1	1	1	0	0
% age	0.00	0.00	33.33	33.33	33.33	0.00	0.00

BT

Paper Code & % age	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F / FA (<40)
BIOT 5201: Advanced Bioinformatics	0	2	7	4	2	2	0
% age	0.00	11.76	41.18	23.53	11.76	11.76	0.00
BIOT 5202: Advances in Bioreactor Design, Development and Scale up	12	4	1	0	0	0	0
% age	70.59	23.53	5.88	0.00	0.00	0.00	0.00
BIOT 5231: Advanced Cell Biology and Immunotechnology	7	7	2	0	1	0	0
% age	41.18	41.18	11.76	0.00	5.88	0.00	0.00
BIOT 5232: Genomics and Proteomics	1	1	6	1	1	0	0
% age	10.00	10.00	60.00	10.00	10.00	0.00	0.00
BIOT 5241: Bioprocess Technology	2	5	0	0	0	0	0
% age	28.57	71.43	0.00	0.00	0.00	0.00	0.00
BIOT 5242: Advanced Food Biotechnology	1	13	3	0	0	0	0
% age	5.88	76.47	17.65	0.00	0.00	0.00	0.00

AEIE

Paper Code & % age	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/ FA (<40)
AEIE 5201: Embedded Systems	3	2	0	1	0	1	0
% age	37.50	25.00	0.00	12.50	0.00	12.50	0.00
AEIE 5202: Process Control System Design	3	2	1	0	1	0	0
% age	37.50	25.00	12.50	0.00	12.50	0.00	0.00
AEIE 5231: Micro Sensor Science and Technology	2	3	1	0	1	0	0
% age	25.00	37.50	12.50	0.00	12.50	0.00	0.00
AEIE 5241: Digital Image Processing	3	3	0	0	0	1	0
% age	37.50	37.50	0.00	0.00	0.00	12.50	0.00
AEIE 5243: Industrial Internet of Things	0	5	0	1	1	0	0
% age	0.00	62.50	0.00	12.50	12.50	0.00	0.00

RE

Paper Code & % age	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F / FA (<40)
REEN 5201: Solar Energy Engineering	0	0	0	1	3	0	0
% age	0.00	0.00	0.00	25.00	75.00	0.00	0.00
REEN 5202: Technology of Renewable Power Generation	0	3	1	0	0	0	0
% age	0.00	75.00	25.00	0.00	0.00	0.00	0.00
REEN 5241: Hydrogen and Fuel Cell Technology	1	3	0	0	0	0	0
% age	25.00	75.00	0.00	0.00	0.00	0.00	0.00
REEN 5244: Solar Photovoltaic System Design	0	2	2	0	0	0	0
% age	0.00	50.00	50.00	0.00	0.00	0.00	0.00
REEN 5245: Sustainable Energy Conversion and Storage	0	4	0	0	0	0	0
% age	0.00	100.00	0.00	0.00	0.00	0.00	0.00

B.Tech Lab Papers, 2nd Semester
HMTS 1251 (Language Lab)

Stream & % age	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F / FA (<40)
CSE	18	98	46	4	2	1	2
% age	10.53	57.31	26.90	2.34	1.17	0.58	1.17
IT	16	28	11	2	0	0	1
% age	27.59	48.28	18.97	3.45	0.00	0.00	1.72
ECE	37	120	16	3	2	2	2
% age	20.33	65.93	8.79	1.65	1.10	1.10	1.10
BT	0	35	17	1	0	1	2
% age	0.00	62.50	30.36	1.79	0.00	1.79	3.57
AEIE	1	42	14	2	0	1	0
% age	1.67	70.00	23.33	3.33	0.00	1.67	0.00
ChE	16	15	15	2	0	1	2
% age	31.37	29.41	29.41	3.92	0.00	1.96	3.92
ME	1	59	32	5	3	0	3
% age	0.97	57.28	31.07	4.85	2.91	0.00	2.91
CE	6	32	46	15	0	0	3
% age	5.88	31.37	45.10	14.71	0.00	0.00	2.94
EE	1	41	8	1	0	1	3
% age	1.82	74.55	14.55	1.82	0.00	1.82	5.45
CSBS	25	27	2	2	1	0	0
% age	43.86	47.37	3.51	3.51	1.75	0.00	0.00

CHEM 1051
Chemistry Lab

Stream & % age	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
BT	32	20	2	0	0	0	2
% age	57.14	35.71	3.57	0.00	0.00	0.00	3.57
ChE	23	16	6	2	1	0	3
% age	45.10	31.37	11.76	3.92	1.96	0.00	5.88
ME	72	27	2	0	0	0	2
% age	69.90	26.21	1.94	0.00	0.00	0.00	1.94
CE	52	25	19	4	0	0	2
% age	50.98	24.51	18.63	3.92	0.00	0.00	1.96
EE	22	23	5	2	0	0	3
% age	40.00	41.82	9.09	3.64	0.00	0.00	5.45

ELEC 1051
Basic Electrical Engineering Lab

Stream & % age	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
BT	1	35	15	2	1	0	2
% age	1.79	62.50	26.79	3.57	1.79	0.00	3.57
ChE	9	25	10	3	1	0	3
% age	17.65	49.02	19.61	5.88	1.96	0.00	5.88
ME	7	22	29	22	16	4	3
% age	6.80	21.36	28.16	21.36	15.53	3.88	2.91
CE	1	10	31	37	17	4	2
% age	0.98	9.80	30.39	36.27	16.67	3.92	1.96
EE	0	15	22	14	1	0	3
% age	0.00	27.27	40.00	25.45	1.82	0.00	5.45

MECH 1052
Engineering Graphics & Design

Stream & % age	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
BT	16	26	7	5	0	0	2
% age	28.57	46.43	12.50	8.93	0.00	0.00	3.57
ChE	22	16	7	1	1	0	4
% age	43.14	31.37	13.73	1.96	1.96	0.00	7.84
ME	26	32	17	15	8	1	4
% age	25.24	31.07	16.50	14.56	7.77	0.97	3.88
CE	20	35	29	13	1	1	3
% age	19.61	34.31	28.43	12.75	0.98	0.98	2.94
EE	5	18	20	9	0	0	3
% age	9.09	32.73	36.36	16.36	0.00	0.00	5.45

HMTS 1061
Professional Communication Lab

Stream & % age	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
BT	25	23	4	1	0	0	3
% age	44.64	41.07	7.14	1.79	0.00	0.00	5.36
ChE	16	15	15	2	0	1	2
% age	31.37	29.41	29.41	3.92	0.00	1.96	3.92
ME	15	52	28	4	1	0	3
% age	14.56	50.49	27.18	3.88	0.97	0.00	2.91
CE	3	45	45	6	1	0	2
% age	2.94	44.12	44.12	5.88	0.98	0.00	1.96
EE	2	32	16	2	0	0	3
% age	3.64	58.18	29.09	3.64	0.00	0.00	5.45

PHYS 1051
Physics Lab

Stream & % age	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
CSE	55	77	29	5	3	0	2
% age	32.16	45.03	16.96	2.92	1.75	0.00	1.17
IT	12	24	14	5	1	0	2
% age	20.69	41.38	24.14	8.62	1.72	0.00	3.45
ECE	61	86	24	4	1	3	3
% age	33.52	47.25	13.19	2.20	0.55	1.65	1.65
AEIE	12	24	19	0	5	0	0
% age	20.00	40.00	31.67	0.00	8.33	0.00	0.00
CSBS	13	18	14	9	2	1	0
% age	22.81	31.58	24.56	15.79	3.51	1.75	0.00

CSEN 1051
Programming for Problem Solving Lab

Stream & % age	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
CSE	75	46	34	11	3	0	2
% age	43.86	26.90	19.88	6.43	1.75	0.00	1.17
IT	18	22	10	2	1	4	1
% age	31.03	37.93	17.24	3.45	1.72	6.90	1.72
ECE	41	109	24	4	4	0	0
% age	22.53	59.89	13.19	2.20	2.20	0.00	0.00
AEIE	11	28	16	3	1	1	0
% age	18.33	46.67	26.67	5.00	1.67	1.67	0.00
CSBS	18	17	12	5	3	2	0
% age	31.58	29.82	21.05	8.77	5.26	3.51	0.00

MECH 1051
Workshop / Manufacturing Practices

Stream & % age	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
CSE	35	65	46	18	4	1	2
% age	20.47	38.01	26.90	10.53	2.34	0.58	1.17
IT	27	24	6	0	0	0	1
% age	46.55	41.38	10.34	0.00	0.00	0.00	1.72
ECE	39	86	44	6	2	0	5
% age	21.43	47.25	24.18	3.30	1.10	0.00	2.75
AEIE	8	37	14	1	0	0	0
% age	13.33	61.67	23.33	1.67	0.00	0.00	0.00
CSBS	12	15	21	9	0	0	0
% age	21.05	26.32	36.84	15.79	0.00	0.00	0.00

ECEN 1061
Basic Electronics Lab

Stream & % age	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
CSE	65	98	6	0	0	0	2
% age	38.01	57.31	3.51	0.00	0.00	0.00	1.17
IT	24	33	0	0	1	0	0
% age	41.38	56.90	0.00	0.00	1.72	0.00	0.00
ECE	82	83	13	0	1	0	3
% age	45.05	45.60	7.14	0.00	0.55	0.00	1.65
AEIE	53	5	2	0	0	0	0
% age	88.33	8.33	3.33	0.00	0.00	0.00	0.00
CSBS	19	20	17	1	0	0	0
% age	33.33	35.09	29.82	1.75	0.00	0.00	0.00

MCA 2nd Semester, 2021
(Lab Papers)

Paper Code & % age	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA (<40)
MCAP 1211 : Data Structure & Algorithms Lab	4	11	28	14	0	0	0
% age	7.02	19.30	49.12	24.56	0.00	0.00	0.00
MCAP 1212: Computer Network Lab	15	35	7	0	0	0	0
% age	26.32	61.40	12.28	0.00	0.00	0.00	0.00
HMTS 1221: Career Development and Management	5	32	20	0	0	0	0
% age	8.77	56.14	35.09	0.00	0.00	0.00	0.00

M.Tech 2nd Semester, 2021 (Lab Papers)

CSE(Lab Papers)

Paper Code & % age	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F / FA (<40)
CSEN 5251: Advanced Algorithms Lab	0	0	0	3	21	0	1
% age	0.00	0.00	0.00	12.00	84.00	0.00	4.00
CSEN 5252: Soft Computing Lab	1	11	11	0	1	1	0
% age	4.00	44.00	44.00	0.00	4.00	4.00	0.00
CSEN 5293: Term Paper and Seminar	0	2	4	18	1	0	0
% age	0.00	8.00	16.00	72.00	4.00	0.00	0.00

ECE(Lab Papers)

Paper Code & % age	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F / FA (<40)
ECEN 5252: Advanced DSP and Applications Lab	7	0	0	0	0	0	0
% age	100.00	0.00	0.00	0.00	0.00	0.00	0.00
ECEN 5253: Design & Simulation Lab	2	5	0	0	0	0	0
% age	28.57	71.43	0.00	0.00	0.00	0.00	0.00
ECEN 5293: Term Paper and Seminar	7	0	0	0	0	0	0
% age	100.00	0.00	0.00	0.00	0.00	0.00	0.00

VLSI(Lab Papers)

Paper Code & % age	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F / FA (<40)
VLSI 5251: Analog VLSI IC Design Lab	0	2	0	0	0	0	1
% age	0.00	66.67	0.00	0.00	0.00	0.00	33.33
VLSI 5252: VLSI Design, Testing and Verification Lab	0	2	0	0	0	0	1
% age	0.00	66.67	0.00	0.00	0.00	0.00	33.33
VLSI 5293: Term Paper and Seminar	2	1	0	0	0	0	0
% age	66.67	33.33	0.00	0.00	0.00	0.00	0.00

BT(Lab Papers)

Paper Code & % age	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F / FA (<40)
BIOT 5251: Advanced Bioinformatics Lab	0	7	8	1	1	0	0
% age	0.00	41.18	47.06	5.88	5.88	0.00	0.00
BIOT 5252: Bioreactor Design and Scale up Lab	1	6	9	1	0	0	0
% age	5.88	35.29	52.94	5.88	0.00	0.00	0.00
BIOT 5293: Term Paper and Seminar	8	6	3	0	0	0	0
% age	47.06	35.29	17.65	0.00	0.00	0.00	0.00

AEIE(Lab Papers)

Paper Code & % age	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F / FA (<40)
AEIE 5251: Embedded Systems Lab	2	1	3	0	1	0	0
% age	25.00	12.50	37.50	0.00	12.50	0.00	0.00
AEIE 5252: Process Control System Design Lab	4	2	1	0	0	0	0
% age	50.00	25.00	12.50	0.00	0.00	0.00	0.00
AEIE 5293: Term Paper and Seminar	3	3	1	0	0	0	0
% age	37.50	37.50	12.50	0.00	0.00	0.00	0.00

RE(Lab Papers)

Paper Code & % age	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F / FA (<40)
REEN 5251: Non-Solar Renewable Energy Laboratory	1	3	0	0	0	0	0
% age	25.00	75.00	0.00	0.00	0.00	0.00	0.00
REEN 5252: Solar Energy Laboratory	0	0	1	3	0	0	0
% age	0.00	0.00	25.00	75.00	0.00	0.00	0.00
REEN 5221: Term Paper and Seminar	1	3	0	0	0	0	0
% age	25.00	75.00	0.00	0.00	0.00	0.00	0.00