



OFFICE OF THE CONTROLLER OF EXAMINATIONS

## **HERITAGE INSTITUTE OF TECHNOLOGY**

**RESULT OF B.TECH (1<sup>ST</sup>, 3<sup>RD</sup>, 5<sup>TH</sup> & 7<sup>TH</sup> SEM.), M.TECH (1<sup>ST</sup> & 3<sup>RD</sup> SEM) &  
MCA (1<sup>ST</sup> & 3<sup>RD</sup> SEM) SEMESTER EXAMINATIONS, 2022-23**

*Placed for*

Approval of  
Board of Examinations & Academic Council of HITK



OFFICE OF THE CONTROLLER OF EXAMINATIONS

<b>B.TECH 1<sup>ST</sup> YEAR 1<sup>ST</sup> SEMESTER 2022 RESULTS SUMMARY</b>								
Stream	No. of students	SGPA $\geq 9$ & %	8 $\leq$ SGPA $< 9$ & %	7 $\leq$ SGPA $< 8$ & %	6 $\leq$ SGPA $< 7$ & %	SGPA $< 6$ & %	Passed without backlog	Highest SGPA with Name
CSE	177	48	35	46	26	22	163	10- ADARSH JHA, DEVJIT SARKAR, KUSHIKI DAS, SAGNIK PRAMANIK & SAUHARDYA CHAKRABORTY
%		27.12	19.77	25.99	14.69	12.43	92.09	
IT	57	14	7	17	9	10	49	10- SUHRID BEHARI PAUL
%		24.56	12.28	29.82	15.79	17.54	85.96	
ECE	163	21	33	45	35	29	135	10- AHONA DUTTA
%		12.88	20.25	27.61	21.47	17.79	82.82	
BT	51	2	7	10	19	13	39	9.11- DIPANJALI RAY
%		3.92	13.73	19.61	37.25	25.49	76.47	
AEIE	51	0	10	9	17	15	41	8.86- SAGNIK DAS
%		0.00	19.61	17.65	33.33	29.41	80.39	
CHE	34	2	8	9	10	5	27	9.43- TAPOJA MANDAL
%		5.88	23.53	26.47	29.41	14.71	79.41	
ME	34	1	3	10	13	7	27	9.03- PRIYANSHU ROY
%		2.94	8.82	29.41	38.24	20.59	79.41	
CE	31	0	2	6	17	6	22	8.63- SUMANT KUMAR
%		0.00	6.45	19.35	54.84	19.35	70.97	
EE	45	2	8	11	14	10	34	9.6- KASISH SHAW
%		4.44	17.78	24.44	31.11	22.22	75.56	

CONTINUED



OFFICE OF THE CONTROLLER OF EXAMINATIONS

<b>B.TECH 1<sup>ST</sup> YEAR 1<sup>ST</sup> SEMESTER 2022 RESULTS SUMMARY</b>								
Stream	No. of students	SGPA $\geq 9$ & %	8 $\leq$ SGPA $< 9$ & %	7 $\leq$ SGPA $< 8$ & %	6 $\leq$ SGPA $< 7$ & %	SGPA $< 6$ & %	Passed without backlog	Highest SGPA with Name
CSBS	54	6	7	18	14	9	49	10- SUBHOBROTO SASMAL
%		11.11	12.96	33.33	25.93	16.67	90.74	
AIML	60	6	13	21	14	6	54	9.69- ADITYA MAZUMDAR
%		10.00	21.67	35.00	23.33	10.00	90.00	
DS	61	8	18	19	12	4	56	9.6- ATYASHA BHATTACHARYYA
%		13.11	29.51	31.15	19.67	6.56	91.80	
IOT (CS)	58	5	13	16	9	15	50	9.77- RAHUL MONDAL
%		8.62	22.41	27.59	15.52	25.86	86.21	
Total	876	115	164	237	209	151	746	
Percentage		13.13	18.72	27.05	23.86	17.24	85.16	

<b>MCA 1<sup>ST</sup> YEAR 1<sup>ST</sup> SEMESTER 2022 RESULTS SUMMARY</b>								
Stream	No. of students	SGPA $\geq 9$ & %	8 $\leq$ SGPA $< 9$ & %	7 $\leq$ SGPA $< 8$ & %	6 $\leq$ SGPA $< 7$ & %	SGPA $< 6$ & %	Passed without backlog	Highest SGPA with Name
MCA	60	6	21	20	11	2	57	9.77- RHITAJYOTI MANDAL
Percentage		10.00	35.00	33.33	18.33	3.33	95	

**RESULT ANALYSIS - ODD SEM, 2022**  
**3<sup>RD</sup> SEM - B.TECH (THEORY & LAB)**

<b>Computer Science &amp; Engineering (Theory)</b>							
<b>No. of students = 216</b>							
<b>PAPER CODE</b>	<b>O (&gt;89)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>HMTS 2001: Human Values &amp; Professional Ethics</b>	6	39	82	56	21	8	4
<b>%</b>	<b>2.78</b>	<b>18.06</b>	<b>37.96</b>	<b>25.93</b>	<b>9.72</b>	<b>3.70</b>	<b>1.85</b>
<b>ECEN 2101: Analog Circuits</b>	4	22	26	38	40	53	33
<b>%</b>	<b>1.85</b>	<b>10.19</b>	<b>12.04</b>	<b>17.59</b>	<b>18.52</b>	<b>24.54</b>	<b>15.28</b>
<b>ECEN 2104: Digital Logic</b>	11	25	36	29	38	37	40
<b>%</b>	<b>5.09</b>	<b>11.57</b>	<b>16.67</b>	<b>13.43</b>	<b>17.59</b>	<b>17.13</b>	<b>18.52</b>
<b>CSEN 2101: Data Structure &amp; Algorithms</b>	6	13	27	39	39	60	32
<b>%</b>	<b>2.78</b>	<b>6.02</b>	<b>12.50</b>	<b>18.06</b>	<b>18.06</b>	<b>27.78</b>	<b>14.81</b>
<b>CSEN 2102: Discrete Mathematics</b>	5	25	36	48	34	47	21
<b>%</b>	<b>2.31</b>	<b>11.57</b>	<b>16.67</b>	<b>22.22</b>	<b>15.74</b>	<b>21.76</b>	<b>9.72</b>

<b>Computer Science &amp; Engineering (Lab)</b>							
<b>No. of students = 216</b>							
<b>PAPER CODE</b>	<b>O (&gt;89)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>ECEN 2154: Digital Logic Lab</b>	82	84	39	9	0	0	2
<b>%</b>	<b>37.96</b>	<b>38.89</b>	<b>18.06</b>	<b>4.17</b>	<b>0.00</b>	<b>0.00</b>	<b>0.93</b>
<b>CSEN 2151: Data Structure &amp; Algorithms Lab</b>	48	37	34	25	34	30	8
<b>%</b>	<b>22.22</b>	<b>17.13</b>	<b>15.74</b>	<b>11.57</b>	<b>15.74</b>	<b>13.89</b>	<b>3.70</b>
<b>CSEN 2152: Software Tools Lab</b>	59	68	50	27	5	2	5
<b>%</b>	<b>27.31</b>	<b>31.48</b>	<b>23.15</b>	<b>12.50</b>	<b>2.31</b>	<b>0.93</b>	<b>2.31</b>

<b>Computer Science &amp; Engineering (Honours Paper/s)</b>							
<b>No. of students = 216</b>							
<b>PAPER CODE</b>	<b>O (&gt;89)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>MATH 2111: Probability &amp; Statistical Methods</b>	3	5	18	26	45	75	44
<b>%</b>	<b>1.39</b>	<b>2.31</b>	<b>8.33</b>	<b>12.04</b>	<b>20.83</b>	<b>34.72</b>	<b>20.37</b>

<b>Information Technology (Theory)</b>							
<b>No. of students = 67</b>							
<b>PAPER CODE</b>	<b>O (&gt;89)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>HMTS 2001: Human Values &amp; Professional Ethics</b>	6	20	24	6	3	6	2
<b>%</b>	8.96	29.85	35.82	8.96	4.48	8.96	2.99
<b>EVSC 2016: Environmental Sciences</b>	0	0	2	13	24	26	2
<b>%</b>	0.00	0.00	2.99	19.40	35.82	38.81	2.99
<b>MATH 2103: Discrete Mathematics</b>	2	3	13	14	10	14	11
<b>%</b>	2.99	4.48	19.40	20.90	14.93	20.90	16.42
<b>ECEN 2101: Analog Circuits</b>	3	5	8	12	14	15	10
<b>%</b>	4.48	7.46	11.94	17.91	20.90	22.39	14.93
<b>ECEN 2002: Digital Systems Design</b>	1	9	16	22	11	5	3
<b>%</b>	1.49	13.43	23.88	32.84	16.42	7.46	4.48
<b>INFO 2101: Fundamentals of Data Structure &amp; Algorithms</b>	8	8	17	12	7	8	7
<b>%</b>	11.94	11.94	25.37	17.91	10.45	11.94	10.45

<b>Information Technology (Lab)</b>							
<b>No. of students = 67</b>							
<b>PAPER CODE</b>	<b>O (&gt;89)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>ECEN 2151: Analog Circuits Lab</b>	22	37	5	0	1	0	2
<b>%</b>	32.84	55.22	7.46	0.00	1.49	0.00	2.99
<b>ECEN 2052: Digital Systems Design Lab</b>	17	48	0	0	0	2	0
<b>%</b>	25.37	71.64	0.00	0.00	0.00	2.99	0.00
<b>INFO 2151: Fundamentals of Data Structure &amp; Algorithms Lab</b>	10	19	15	13	4	4	2
<b>%</b>	14.93	28.36	22.39	19.40	5.97	5.97	2.99

<b>Information Technology (Honours Paper/s)</b>							
<b>No. of students = 67</b>							
<b>PAPER CODE</b>	<b>O (&gt;89)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>INFO 2111: Computer Organization and Architecture</b>	0	0	5	14	19	20	9
<b>%</b>	0.00	0.00	7.46	20.90	28.36	29.85	13.43
<b>INFO 2161: Computer Organization and Architecture Lab</b>	20	26	13	3	1	2	2
<b>%</b>	29.85	38.81	19.40	4.48	1.49	2.99	2.99

<b>Electronics &amp; Communication Engineering (Theory)</b>							
<b>No. of students = 190</b>							
<b>PAPER CODE</b>	<b>O (&gt;89)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>HMTS 2001: Human Values &amp; Professional Ethics</b>	23	46	50	37	14	16	4
<b>%</b>	12.11	24.21	26.32	19.47	7.37	8.42	2.11
<b>MATH 2001:Mathematical Methods</b>	9	13	28	30	37	46	27
<b>%</b>	4.74	6.84	14.74	15.79	19.47	24.21	14.21
<b>CSEN 2004: Data Structure and Basic Algorithms</b>	7	18	19	47	50	37	12
<b>%</b>	3.68	9.47	10.00	24.74	26.32	19.47	6.32
<b>ECEN 2101: Analog Circuits</b>	2	14	26	27	34	67	20
<b>%</b>	1.05	7.37	13.68	14.21	17.89	35.26	10.53
<b>ECEN 2102:Circuit and Network Theory</b>	6	9	12	20	40	86	17
<b>%</b>	3.16	4.74	6.32	10.53	21.05	45.26	8.95
<b>ECEN 2103: Signals &amp; Systems</b>	2	9	20	33	34	60	32
<b>%</b>	1.05	4.74	10.53	17.37	17.89	31.58	16.84

<b>Electronics &amp; Communication Engineering (Lab)</b>							
<b>No. of students = 190</b>							
<b>PAPER CODE</b>	<b>O (&gt;89)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>ECEN 2151: Analog Circuits Lab</b>	94	61	24	4	3	0	4
<b>%</b>	49.47	32.11	12.63	2.11	1.58	0.00	2.11
<b>ECEN 2152: Circuit and Network Theory Lab</b>	53	66	37	34	0	0	0
<b>%</b>	27.89	34.74	19.47	17.89	0.00	0.00	0.00
<b>ECEN 2153:Signals &amp; Systems Lab</b>	41	43	37	25	39	5	0
<b>%</b>	21.58	22.63	19.47	13.16	20.53	2.63	0.00
<b>CSEN 2054: Data Structure and Basic Algorithms Lab.</b>	65	69	53	3	0	0	0
<b>%</b>	34.21	36.32	27.89	1.58	0.00	0.00	0.00

<b>Biotechnology (Theory)</b>							
<b>No. of students = 56</b>							
<b>PAPER CODE</b>	<b>O (&gt;89)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>HMTS 2001 : Human Values &amp; Professional Ethics</b>	0	7	20	17	8	3	1
<b>%</b>	0.00	12.50	35.71	30.36	14.29	5.36	1.79
<b>EVSC 2016: Environmental Sciences</b>	0	1	11	14	19	10	1
<b>%</b>	0.00	1.79	19.64	25.00	33.93	17.86	1.79
<b>MATH 2101: Mathematical &amp; Statistical Methods</b>	2	7	8	8	20	6	5
<b>%</b>	3.57	12.50	14.29	14.29	35.71	10.71	8.93
<b>BIOT 2101: Chemistry of Biomolecules</b>	3	2	11	5	13	14	8
<b>%</b>	5.36	3.57	19.64	8.93	23.21	25.00	14.29
<b>BIOT 2102: Industrial Stoichiometry</b>	8	6	11	10	10	6	5
<b>%</b>	14.29	10.71	19.64	17.86	17.86	10.71	8.93
<b>BIOT 2103: Biochemistry</b>	0	3	10	12	16	8	7
<b>%</b>	0.00	5.36	17.86	21.43	28.57	14.29	12.50
<b>BIOT 2104: Microbiology</b>	5	17	14	4	10	5	1
<b>%</b>	8.93	30.36	25.00	7.14	17.86	8.93	1.79

<b>Biotechnology (Lab)</b>							
<b>No. of students = 56</b>							
<b>PAPER CODE</b>	<b>O (&gt;89)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>BIOT 2151: Biomolecular Chemistry Lab</b>	34	19	2	0	0	1	0
<b>%</b>	60.71	33.93	3.57	0.00	0.00	1.79	0.00
<b>BIOT 2153: Biochemistry Lab</b>	28	25	2	0	0	0	1
<b>%</b>	50.00	44.64	3.57	0.00	0.00	0.00	1.79
<b>BIOT 2154: Microbiology Lab</b>	26	23	5	0	1	0	1
<b>%</b>	46.43	41.07	8.93	0.00	1.79	0.00	1.79

<b>Applied Electronics &amp; Instrumentation Engineering (Theory)</b>							
<b>No. of students = 46</b>							
<b>PAPER CODE</b>	<b>O (&gt;89)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>HMTS 2001: Human Values &amp; Professional Ethics</b>	0	9	19	11	5	2	0
<b>%</b>	0.00	19.57	41.30	23.91	10.87	4.35	0.00
<b>MATH 2001: Mathematical Methods</b>	3	2	7	6	7	10	11
<b>%</b>	6.52	4.35	15.22	13.04	15.22	21.74	23.91
<b>AEIE 2101: Analog Electronic Circuits</b>	5	8	6	7	10	8	2
<b>%</b>	10.87	17.39	13.04	15.22	21.74	17.39	4.35
<b>AEIE 2102: Sensors &amp; Transducers</b>	1	1	9	11	10	10	4
<b>%</b>	2.17	2.17	19.57	23.91	21.74	21.74	8.70
<b>AEIE 2103: Circuit Theory &amp; Network Analysis</b>	2	7	8	10	8	9	2
<b>%</b>	4.35	15.22	17.39	21.74	17.39	19.57	4.35

<b>Applied Electronics &amp; Instrumentation Engineering (Lab)</b>							
<b>No. of students = 46</b>							
<b>PAPER CODE</b>	<b>O (&gt;89)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>AEIE 2151: Analog Electronics Lab</b>	10	21	12	2	1	0	0
<b>%</b>	21.74	45.65	26.09	4.35	2.17	0.00	0.00
<b>AEIE 2152: Sensors &amp; Transducers Lab</b>	7	28	10	1	0	0	0
<b>%</b>	15.22	60.87	21.74	2.17	0.00	0.00	0.00
<b>AEIE 2153: Circuits &amp; Networks Lab</b>	13	20	10	3	0	0	0
<b>%</b>	28.26	43.48	21.74	6.52	0.00	0.00	0.00

<b>Applied Electronics &amp; Instrumentation Engineering (Honours Paper/s)</b>							
<b>No. of students = 46</b>							
<b>PAPER CODE</b>	<b>O (&gt;89)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>AEIE 2111: Material Science &amp; Technology</b>	4	17	14	8	2	0	1
<b>%</b>	8.70	36.96	30.43	17.39	4.35	0.00	2.17



<b>Chemical Engineering (Theory)</b>							
<b>No. of students = 51</b>							
<b>PAPER CODE</b>	<b>O (&gt;89)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>BIOT 2105: Biology</b>	4	11	12	6	11	6	1
<b>%</b>	7.84	21.57	23.53	11.76	21.57	11.76	1.96
<b>MECH 2106: Mechanics for Engineers</b>	0	2	1	10	12	17	9
<b>%</b>	0.00	3.92	1.96	19.61	23.53	33.33	17.65
<b>CHEN 2101: Particle &amp; Fluid Particle Processing</b>	4	10	11	10	6	7	3
<b>%</b>	7.84	19.61	21.57	19.61	11.76	13.73	5.88
<b>CHEN 2102: Chemical Engineering Fluid Mechanics</b>	2	5	9	9	12	9	5
<b>%</b>	3.92	9.80	17.65	17.65	23.53	17.65	9.80
<b>CHEN 2103: Basics of Material &amp; Energy Balance</b>	2	2	5	7	12	22	1
<b>%</b>	3.92	3.92	9.80	13.73	23.53	43.14	1.96
<b>CHEN 2104: Thermodynamics - I</b>	2	7	5	13	14	9	1
<b>%</b>	3.92	13.73	9.80	25.49	27.45	17.65	1.96

<b>Chemical Engineering (Lab)</b>							
<b>No. of students = 51</b>							
<b>PAPER CODE</b>	<b>O (&gt;89)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>CHEN 2151: Fluid Mechanics (ChE) Lab</b>	11	12	19	7	1	0	1
<b>%</b>	21.57	23.53	37.25	13.73	1.96	0.00	1.96
<b>CHEN 2152: Particle &amp; Fluid Particle Processing Lab</b>	19	23	8	0	0	0	1
<b>%</b>	37.25	45.10	15.69	0.00	0.00	0.00	1.96
<b>CHEN 2153: Instrumental Methods of Analysis Lab</b>	22	24	4	0	0	0	1
<b>%</b>	43.14	47.06	7.84	0.00	0.00	0.00	1.96

<b>Chemical Engineering (Honours Paper/s)</b>							
<b>No. of students = 51</b>							
<b>PAPER CODE</b>	<b>O (&gt;89)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>PHYS 2111: Physics II</b>	2	3	3	13	12	15	3
<b>%</b>	3.92	5.88	5.88	25.49	23.53	29.41	5.88

**Mechanical Engineering (Theory)**

No. of students = 62

PAPER CODE	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA/FC (<40)
<b>HMTS 2001: Human Values &amp; Professional Ethics</b>	5	12	16	12	7	6	4
%	8.06	19.35	25.81	19.35	11.29	9.68	6.45
<b>EVSC 2016: Environmental Sciences</b>	0	0	2	13	17	30	0
%	0.00	0.00	3.23	20.97	27.42	48.39	0.00
<b>MATH 2001: Mathematical Methods</b>	0	2	6	3	14	22	15
%	0.00	3.23	9.68	4.84	22.58	35.48	24.19
<b>PHYS 2101: Physics - II</b>	1	3	3	6	12	23	14
%	1.61	4.84	4.84	9.68	19.35	37.10	22.58
<b>BIOT 2105: Biology</b>	2	1	7	13	12	24	3
%	3.23	1.61	11.29	20.97	19.35	38.71	4.84
<b>MECH 2101:Engineering Mechanics</b>	1	2	10	7	14	16	12
%	1.61	3.23	16.13	11.29	22.58	25.81	19.35
<b>MECH 2102: Fluid Mechanics &amp; Hydraulics</b>	1	7	5	9	13	16	11
%	1.61	11.29	8.06	14.52	20.97	25.81	17.74

**Mechanical Engineering (Lab)**

No. of students = 62

PAPER CODE	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA/FC (<40)
<b>MECH 2156: Machine Drawing I</b>	7	13	15	9	13	4	1
%	11.29	20.97	24.19	14.52	20.97	6.45	1.61
<b>MECH 2157: Workshop Practice II</b>	1	17	16	15	12	0	1
%	1.61	27.42	25.81	24.19	19.35	0.00	1.61

**Civil Engineering (Theory)**

**No. of students = 67**

PAPER CODE	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA/FC (<40)
<b>EVSC 2016: Environmental Sciences</b>	0	0	1	13	19	31	3
%	0.00	0.00	1.49	19.40	28.36	46.27	4.48
<b>BIOT 2105: Biology</b>	0	7	10	22	20	4	4
%	0.00	10.45	14.93	32.84	29.85	5.97	5.97
<b>CIVL 2101: Fundamentals of Strength of Materials</b>	4	4	11	9	9	22	8
%	5.97	5.97	16.42	13.43	13.43	32.84	11.94
<b>CIVL 2102: Soil Mechanics - I</b>	0	3	10	14	20	15	5
%	0.00	4.48	14.93	20.90	29.85	22.39	7.46
<b>CIVL 2103: Construction Materials and Technology</b>	12	17	10	10	8	6	4
%	17.91	25.37	14.93	14.93	11.94	8.96	5.97

**Civil Engineering (Lab)**

**No. of students = 67**

PAPER CODE	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA/FC (<40)
<b>CIVL 2151: Strength of Materials Lab</b>	24	20	10	3	5	3	2
%	35.82	29.85	14.93	4.48	7.46	4.48	2.99
<b>CIVL 2152: Soil Mechanics Lab - I</b>	16	20	24	5	1	0	1
%	23.88	29.85	35.82	7.46	1.49	0.00	1.49
<b>CIVL 2153: Construction Materials Lab</b>	13	27	21	6	0	0	0
%	19.40	40.30	31.34	8.96	0.00	0.00	0.00
<b>CIVL 2154: Building Planning and Drawing</b>	24	24	15	1	0	1	2
%	35.82	35.82	22.39	1.49	0.00	1.49	2.99

**Civil Engineering (Honours Paper/s)**

**No. of students = 67**

PAPER CODE	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA/FC (<40)
<b>CIVL 2113: Fluid Mechanics</b>	7	13	9	9	12	9	8
%	10.45	19.40	13.43	13.43	17.91	13.43	11.94
<b>CIVL 2163: Fluid Mechanics Lab</b>	0	4	22	19	15	6	1
%	0.00	5.97	32.84	28.36	22.39	8.96	1.49

**Electrical Engineering (Theory)**

No. of students = 61

PAPER CODE	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA/FC (<40)
HMTS 2001: Human Values & Professional Ethics	0	7	11	17	19	6	1
%	0.00	11.48	18.03	27.87	31.15	9.84	1.64
BIOT 2105: Biology	0	7	16	17	15	5	1
%	0.00	11.48	26.23	27.87	24.59	8.20	1.64
MECH 2106: Mechanics for Engineers	0	1	3	14	10	23	10
%	0.00	1.64	4.92	22.95	16.39	37.70	16.39
ELEC 2101: Circuit Theory	6	5	8	5	12	22	3
%	9.84	8.20	13.11	8.20	19.67	36.07	4.92
ELEC 2102: Analog & Digital Electronics	4	4	6	7	16	14	10
%	6.56	6.56	9.84	11.48	26.23	22.95	16.39
ELEC 2103: Electrical & Electronic Measurement	2	3	5	8	11	21	11
%	3.28	4.92	8.20	13.11	18.03	34.43	18.03

**Electrical Engineering (Lab)**

No. of students = 61

PAPER CODE	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F/FA/FC (<40)
ELEC 2151: Circuit Theory Lab	10	16	14	14	6	0	1
%	16.39	26.23	22.95	22.95	9.84	0.00	1.64
ELEC 2152: Analog & Digital Electronics Lab	8	27	16	3	3	2	2
%	13.11	44.26	26.23	4.92	4.92	3.28	3.28
ELEC 2153: Electrical & Electronic Measurement Lab	2	18	17	9	9	5	1
%	3.28	29.51	27.87	14.75	14.75	8.20	1.64

<b>Computer Science &amp; Business Systems (CSBS)(Theory)</b>							
<b>No. of students = 63</b>							
<b>PAPER CODE</b>	<b>O (&gt;89)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>HMTS 2001:Human Values &amp; Professional Ethics</b>	0	2	18	26	11	4	2
<b>%</b>	0.00	3.17	28.57	41.27	17.46	6.35	3.17
<b>HMTS 2101: Economics for Engineers</b>	0	2	4	9	13	32	3
<b>%</b>	0.00	3.17	6.35	14.29	20.63	50.79	4.76
<b>ECEN 2104: Digital Logic</b>	0	2	2	14	14	25	6
<b>%</b>	0.00	3.17	3.17	22.22	22.22	39.68	9.52
<b>MATH 2103: Discrete Mathematics</b>	1	4	10	14	7	22	5
<b>%</b>	1.59	6.35	15.87	22.22	11.11	34.92	7.94
<b>CSBS 2101: Fundamentals of Data Structures</b>	6	9	10	20	5	11	2
<b>%</b>	9.52	14.29	15.87	31.75	7.94	17.46	3.17

<b>Computer Science &amp; Business Systems (CSBS)(Lab)</b>							
<b>No. of students = 63</b>							
<b>PAPER CODE</b>	<b>O (&gt;89)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>ECEN 2154 : Digital Logic Lab</b>	11	36	15	1	0	0	0
<b>%</b>	17.46	57.14	23.81	1.59	0.00	0.00	0.00
<b>CSBS 2151: Fundamentals of Data Structures Lab</b>	9	23	16	8	2	4	1
<b>%</b>	14.29	36.51	25.40	12.70	3.17	6.35	1.59

<b>Computer Science &amp; Business Systems (CSBS) (Honours Paper/s)</b>							
<b>No. of students = 63</b>							
<b>PAPER CODE</b>	<b>O (&gt;89)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>MATH 2111: Probability &amp; Statistical Methods</b>	0	1	1	7	13	29	12
<b>%</b>	0.00	1.59	1.59	11.11	20.63	46.03	19.05

<b>Computer Science and Engineering (AI&amp;ML) (Theory)</b>							
<b>No. of students = 67</b>							
<b>PAPER CODE</b>	<b>O (&gt;89)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>HMTS 2001:Human Values &amp; Professional Ethics</b>	0	3	30	16	16	0	2
<b>%</b>	0.00	4.48	44.78	23.88	23.88	0.00	2.99
<b>ECEN 2104: Digital Logic</b>	1	7	11	10	13	17	8
<b>%</b>	1.49	10.45	16.42	14.93	19.40	25.37	11.94
<b>CSEN 2101: Data Structure &amp; Algorithms</b>	0	3	7	13	7	27	10
<b>%</b>	0.00	4.48	10.45	19.40	10.45	40.30	14.93
<b>CSEN 2102: Discrete Mathematics</b>	0	3	6	17	20	13	8
<b>%</b>	0.00	4.48	8.96	25.37	29.85	19.40	11.94
<b>CSEN 2103: Python Programming</b>	3	4	10	18	9	13	10
<b>%</b>	4.48	5.97	14.93	26.87	13.43	19.40	14.93

<b>Computer Science and Engineering (AI&amp;ML)(Lab)</b>							
<b>No. of students = 67</b>							
<b>PAPER CODE</b>	<b>O (&gt;89)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>ECEN 2154 : Digital Logic Lab</b>	36	15	11	3	1	0	1
<b>%</b>	53.73	22.39	16.42	4.48	1.49	0.00	1.49
<b>CSEN 2151: Data Structure &amp; Algorithms Lab</b>	13	28	21	5	0	0	0
<b>%</b>	19.40	41.79	31.34	7.46	0.00	0.00	0.00
<b>CSEN 2153: Python Programming Lab</b>	17	23	17	5	1	3	1
<b>%</b>	25.37	34.33	25.37	7.46	1.49	4.48	1.49

<b>Computer Science and Engineering (AI&amp;ML) (Honours Paper/s)</b>							
<b>No. of students = 67</b>							
<b>PAPER CODE</b>	<b>O (&gt;89)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>MATH 2111: Probability &amp; Statistical Methods</b>	0	1	2	3	16	34	11
<b>%</b>	0.00	1.49	2.99	4.48	23.88	50.75	16.42

<b>Computer Science and Engineering (Data Science)(Theory)</b>							
<b>No. of students = 63</b>							
<b>PAPER CODE</b>	<b>O (&gt;89)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>EVSC 2016: Environmental Sciences</b>	0	2	2	5	23	29	2
<b>%</b>	0.00	3.17	3.17	7.94	36.51	46.03	3.17
<b>ECEN 2104: Digital Logic</b>	0	3	5	14	12	21	8
<b>%</b>	0.00	4.76	7.94	22.22	19.05	33.33	12.70
<b>CSEN 2101: Data Structure &amp; Algorithms</b>	1	1	4	3	12	25	17
<b>%</b>	1.59	1.59	6.35	4.76	19.05	39.68	26.98
<b>CSEN 2102: Discrete Mathematics</b>	0	5	12	15	7	18	6
<b>%</b>	0.00	7.94	19.05	23.81	11.11	28.57	9.52
<b>CSEN 2103: Python Programming</b>	1	5	10	18	12	15	2
<b>%</b>	1.59	7.94	15.87	28.57	19.05	23.81	3.17

<b>Computer Science and Engineering (Data Science)(Lab)</b>							
<b>No. of students = 63</b>							
<b>PAPER CODE</b>	<b>O (&gt;89)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>ECEN 2154 : Digital Logic Lab</b>	8	33	14	5	2	1	0
<b>%</b>	12.70	52.38	22.22	7.94	3.17	1.59	0.00
<b>CSEN 2151: Data Structure &amp; Algorithms Lab</b>	7	18	14	7	11	6	0
<b>%</b>	11.11	28.57	22.22	11.11	17.46	9.52	0.00
<b>CSEN 2153: Python Programming Lab</b>	10	12	20	14	6	1	0
<b>%</b>	15.87	19.05	31.75	22.22	9.52	1.59	0.00

<b>Computer Science and Engineering (Data Science) (Honours Paper/s)</b>							
<b>No. of students = 63</b>							
<b>PAPER CODE</b>	<b>O (&gt;89)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>MATH 2111: Probability &amp; Statistical Methods</b>	0	0	2	7	16	26	12
<b>%</b>	0.00	0.00	3.17	11.11	25.40	41.27	19.05

**RESULT ANALYSIS - ODD SEM, 2022**  
**5<sup>th</sup> SEM - B.TECH (THEORY & LAB)**

<b>Computer Science &amp; Engineering (Theory)</b>							
<b>No. of students = 209</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>CSEN 3101: Database Management Systems</b>	8	43	58	50	26	12	12
(%)	3.83	20.57	27.75	23.92	12.44	5.74	5.74
<b>CSEN 3102: Formal Language &amp; Automata Theory</b>	11	38	50	46	31	14	19
(%)	5.26	18.18	23.92	22.01	14.83	6.70	9.09
<b>CSEN 3103: Object Oriented Programming</b>	22	32	42	42	27	30	14
(%)	10.53	15.31	20.10	20.10	12.92	14.35	6.70
<b>ECEN 3106: Electronic Design Automation</b>	2	14	32	61	43	38	19
(%)	0.96	6.70	15.31	29.19	20.57	18.18	9.09
<b>CSEN 3132/33/35: Data Mining &amp; Knowledge Discovery/ Web Technologies/ Introduction to Data Analysis with Python and R</b>	24	40	59	40	23	12	11
(%)	11.48	19.14	28.23	19.14	11.00	5.74	5.26

<b>Computer Science &amp; Engineering (Lab)</b>							
<b>No. of students = 209</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>CSEN 3151: Database Management Systems Lab</b>	85	44	47	19	6	3	5
(%)	40.67	21.05	22.49	9.09	2.87	1.44	2.39
<b>CSEN 3153: Object Oriented Programming Lab</b>	65	40	47	25	13	12	7
(%)	31.10	19.14	22.49	11.96	6.22	5.74	3.35
<b>ECEN 3156: Electronic Design Automation</b>	61	88	34	21	3	0	2
(%)	29.19	42.11	16.27	10.05	1.44	0.00	0.96



**Computer Science & Engineering (Honours Paper/s)****No. of students = 209**

<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>CSEN 3111:Artificial Intelligence</b>	<b>2</b>	<b>17</b>	<b>29</b>	<b>52</b>	<b>52</b>	<b>44</b>	<b>13</b>
<b>(%)</b>	<b>0.96</b>	<b>8.13</b>	<b>13.88</b>	<b>24.88</b>	<b>24.88</b>	<b>21.05</b>	<b>6.22</b>
<b>CSEN 3161:Artificial Intelligence Lab</b>	<b>53</b>	<b>49</b>	<b>31</b>	<b>43</b>	<b>19</b>	<b>12</b>	<b>2</b>
<b>(%)</b>	<b>25.36</b>	<b>23.44</b>	<b>14.83</b>	<b>20.57</b>	<b>9.09</b>	<b>5.74</b>	<b>0.96</b>

<b>Information Technology (Theory)</b>							
<b>No. of students = 64</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>INCO 3016: Indian Constitution And Civil Society</b>	0	0	5	26	28	5	0
(%)	0.00	0.00	7.81	40.63	43.75	7.81	0.00
<b>INFO 3101: Advanced Java &amp; Web Technology</b>	2	13	13	15	10	8	3
(%)	3.13	20.31	20.31	23.44	15.63	12.50	4.69
<b>INFO 3102: Operating Systems</b>	6	15	16	17	8	2	0
(%)	9.38	23.44	25.00	26.56	12.50	3.13	0.00
<b>INFO 3103: Design &amp; Analysis of Algorithms</b>	0	5	10	23	10	13	3
(%)	0.00	7.81	15.63	35.94	15.63	20.31	4.69
<b>INFO 3104: Software Engineering</b>	0	3	7	19	16	15	4
(%)	0.00	4.69	10.94	29.69	25.00	23.44	6.25
<b>INFO 3131/32/33: Computer Graphics/Distributed Database Management Systems/Compiler Design</b>	12	15	14	7	7	7	2
(%)	18.75	23.44	21.88	10.94	10.94	10.94	3.13

<b>Information Technology (Lab)</b>							
<b>No. of students = 64</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>INFO 3151: Advanced Java &amp; Web Technology Lab</b>	30	18	10	4	1	1	0
(%)	46.88	28.13	15.63	6.25	1.56	1.56	0.00
<b>INFO 3152: Operating Systems Lab</b>	18	11	15	13	4	2	1
(%)	28.13	17.19	23.44	20.31	6.25	3.13	1.56
<b>INFO 3153: Design &amp; Analysis of Algorithms Lab</b>	11	11	9	20	8	5	0
(%)	17.19	17.19	14.06	31.25	12.50	7.81	0.00
<b>INFO 3154: Software Engineering Lab</b>	17	31	7	8	0	1	0
(%)	26.56	48.44	10.94	12.50	0.00	1.56	0.00

<b>Electronics &amp; Communication Engineering (Theory)</b>							
<b>No. of students = 209</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>ECEN 3101 : Digital Communication</b>	<b>18</b>	<b>30</b>	<b>45</b>	<b>47</b>	<b>42</b>	<b>21</b>	<b>6</b>
<b>(%)</b>	<b>8.61</b>	<b>14.35</b>	<b>21.53</b>	<b>22.49</b>	<b>20.10</b>	<b>10.05</b>	<b>2.87</b>
<b>ECEN 3102:Digital Signal Processing</b>	<b>13</b>	<b>26</b>	<b>46</b>	<b>50</b>	<b>28</b>	<b>28</b>	<b>18</b>
<b>(%)</b>	<b>6.22</b>	<b>12.44</b>	<b>22.01</b>	<b>23.92</b>	<b>13.40</b>	<b>13.40</b>	<b>8.61</b>
<b>ECEN 3103: Microwave Engineering</b>	<b>9</b>	<b>33</b>	<b>38</b>	<b>55</b>	<b>39</b>	<b>28</b>	<b>7</b>
<b>(%)</b>	<b>4.31</b>	<b>15.79</b>	<b>18.18</b>	<b>26.32</b>	<b>18.66</b>	<b>13.40</b>	<b>3.35</b>
<b>ECEN 3104:Microprocessors and Microcontrollers</b>	<b>17</b>	<b>39</b>	<b>60</b>	<b>41</b>	<b>30</b>	<b>14</b>	<b>8</b>
<b>(%)</b>	<b>8.13</b>	<b>18.66</b>	<b>28.71</b>	<b>19.62</b>	<b>14.35</b>	<b>6.70</b>	<b>3.83</b>
<b>ECEN 3105:Information Theory and Coding</b>	<b>5</b>	<b>23</b>	<b>57</b>	<b>47</b>	<b>41</b>	<b>27</b>	<b>9</b>
<b>(%)</b>	<b>2.39</b>	<b>11.00</b>	<b>27.27</b>	<b>22.49</b>	<b>19.62</b>	<b>12.92</b>	<b>4.31</b>
<b>ECEN 3131/32/33:Telecommunication Systems /Computer Networks /Speech and Audio Processing</b>	<b>23</b>	<b>61</b>	<b>67</b>	<b>37</b>	<b>15</b>	<b>4</b>	<b>2</b>
<b>(%)</b>	<b>11.00</b>	<b>29.19</b>	<b>32.06</b>	<b>17.70</b>	<b>7.18</b>	<b>1.91</b>	<b>0.96</b>

<b>Electronics &amp; Communication Engineering (Lab)</b>							
<b>No. of students = 209</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>ECEN 3151:Digital Communication Laboratory</b>	<b>108</b>	<b>81</b>	<b>17</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>2</b>
<b>(%)</b>	<b>51.67</b>	<b>38.76</b>	<b>8.13</b>	<b>0.48</b>	<b>0.00</b>	<b>0.00</b>	<b>0.96</b>
<b>ECEN 3152: Digital Signal Processing Laboratory</b>	<b>53</b>	<b>110</b>	<b>31</b>	<b>11</b>	<b>2</b>	<b>0</b>	<b>2</b>
<b>(%)</b>	<b>25.36</b>	<b>52.63</b>	<b>14.83</b>	<b>5.26</b>	<b>0.96</b>	<b>0.00</b>	<b>0.96</b>
<b>ECEN 3153 :Microwave Engineering Laboratory</b>	<b>47</b>	<b>89</b>	<b>58</b>	<b>13</b>	<b>1</b>	<b>0</b>	<b>1</b>
<b>(%)</b>	<b>22.49</b>	<b>42.58</b>	<b>27.75</b>	<b>6.22</b>	<b>0.48</b>	<b>0.00</b>	<b>0.48</b>
<b>ECEN 3154:Microprocessors and Microcontrollers Laboratory</b>	<b>88</b>	<b>84</b>	<b>28</b>	<b>5</b>	<b>3</b>	<b>0</b>	<b>1</b>
<b>(%)</b>	<b>42.11</b>	<b>40.19</b>	<b>13.40</b>	<b>2.39</b>	<b>1.44</b>	<b>0.00</b>	<b>0.48</b>

<b>Biotechnology (Theory)</b>							
<b>No. of students = 49</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>INCO 3016:Indian Constitution And Civil Society</b>	0	0	10	19	19	1	0
<b>(%)</b>	0.00	0.00	20.41	38.78	38.78	2.04	0.00
<b>BIOT 3101: Genetics</b>	4	15	10	8	9	3	0
<b>(%)</b>	8.16	30.61	20.41	16.33	18.37	6.12	0.00
<b>BIOT 3102: Bioinformatics</b>	0	5	6	11	17	6	4
<b>(%)</b>	0.00	10.20	12.24	22.45	34.69	12.24	8.16
<b>BIOT 3103: Recombinant DNA Technology</b>	1	6	5	10	11	8	8
<b>(%)</b>	2.04	12.24	10.20	20.41	22.45	16.33	16.33
<b>BIOT 3104: Transfer Operation-II</b>	7	8	12	6	8	4	4
<b>(%)</b>	14.29	16.33	24.49	12.24	16.33	8.16	8.16
<b>BIOT 3131/32/33:Food Biotechnology/Environmental Biotechnology/Bioprocess &amp; Process Instrumentation</b>	8	16	11	6	4	3	1
<b>(%)</b>	16.33	32.65	22.45	12.24	8.16	6.12	2.04

<b>Biotechnology (Lab)</b>							
<b>No. of students =49</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>BIOT 3151: Genetics lab</b>	13	31	5	0	0	0	0
<b>(%)</b>	26.53	63.27	10.20	0.00	0.00	0.00	0.00
<b>BIOT 3152: Bioinformatics lab</b>	3	13	22	9	2	0	0
<b>(%)</b>	6.12	26.53	44.90	18.37	4.08	0.00	0.00
<b>BIOT 3153:Recombinant DNA Technology lab</b>	5	17	19	6	2	0	0
<b>(%)</b>	10.20	34.69	38.78	12.24	4.08	0.00	0.00
<b>BIOT 3154:Transfer Operation-II lab</b>	26	21	2	0	0	0	0
<b>(%)</b>	53.06	42.86	4.08	0.00	0.00	0.00	0.00
<b>BIOT 3181/82/83:Food Biotechnology Lab/Environmental Biotechnology Lab/Bioprocess &amp; Process Instrumentation Lab</b>	26	22	1	0	0	0	0
<b>(%)</b>	53.06	44.90	2.04	0.00	0.00	0.00	0.00

<b>Applied Electronics &amp; Instrumentation Engineering (Theory)</b>							
<b>No. of students =57</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (&gt;= 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>AEIE 3101:Process Control</b>	<b>0</b>	<b>5</b>	<b>8</b>	<b>13</b>	<b>20</b>	<b>11</b>	<b>0</b>
<b>(%)</b>	<b>0.00</b>	<b>8.77</b>	<b>14.04</b>	<b>22.81</b>	<b>35.09</b>	<b>19.30</b>	<b>0.00</b>
<b>AEIE 3102:Power Electronics &amp; Drives</b>	<b>9</b>	<b>30</b>	<b>6</b>	<b>10</b>	<b>2</b>	<b>0</b>	<b>0</b>
<b>(%)</b>	<b>15.79</b>	<b>52.63</b>	<b>10.53</b>	<b>17.54</b>	<b>3.51</b>	<b>0.00</b>	<b>0.00</b>
<b>AEIE 3103:Microprocessors &amp; Microcontrollers</b>	<b>3</b>	<b>9</b>	<b>13</b>	<b>18</b>	<b>12</b>	<b>2</b>	<b>0</b>
<b>(%)</b>	<b>5.26</b>	<b>15.79</b>	<b>22.81</b>	<b>31.58</b>	<b>21.05</b>	<b>3.51</b>	<b>0.00</b>
<b>AEIE 3104:Fundamentals of Digital Signal Processing</b>	<b>1</b>	<b>3</b>	<b>11</b>	<b>15</b>	<b>15</b>	<b>12</b>	<b>0</b>
<b>(%)</b>	<b>1.75</b>	<b>5.26</b>	<b>19.30</b>	<b>26.32</b>	<b>26.32</b>	<b>21.05</b>	<b>0.00</b>
<b>AEIE3131/32/33:Communication Techniques/ Non Conventional Energy Sources /Advanced Sensors</b>	<b>0</b>	<b>11</b>	<b>25</b>	<b>15</b>	<b>3</b>	<b>3</b>	<b>0</b>
<b>(%)</b>	<b>0.00</b>	<b>19.30</b>	<b>43.86</b>	<b>26.32</b>	<b>5.26</b>	<b>5.26</b>	<b>0.00</b>

<b>Applied Electronics &amp; Instrumentation Engineering (Lab)</b>							
<b>No. of students =57</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (&gt;= 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>AEIE 3151:Process Control Lab</b>	<b>21</b>	<b>18</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>(%)</b>	<b>36.84</b>	<b>31.58</b>	<b>31.58</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>AEIE 3152:Power Electronics &amp; Drives Lab</b>	<b>6</b>	<b>43</b>	<b>5</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>(%)</b>	<b>10.53</b>	<b>75.44</b>	<b>8.77</b>	<b>5.26</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>AEIE 3153:Microprocessors &amp; Microcontrollers Lab</b>	<b>14</b>	<b>10</b>	<b>28</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>0</b>
<b>(%)</b>	<b>24.56</b>	<b>17.54</b>	<b>49.12</b>	<b>7.02</b>	<b>1.75</b>	<b>0.00</b>	<b>0.00</b>

<b>Applied Electronics &amp; Instrumentation Engineering (Honours Paper/s)</b>							
<b>No. of students =57</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (&gt;= 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>AEIE 3111: Introduction to Mechatronics</b>	<b>0</b>	<b>5</b>	<b>20</b>	<b>18</b>	<b>14</b>	<b>0</b>	<b>0</b>
<b>(%)</b>	<b>0.00</b>	<b>8.77</b>	<b>35.09</b>	<b>31.58</b>	<b>24.56</b>	<b>0.00</b>	<b>0.00</b>

<b>Chemical Engineering (Theory)</b>							
<b>No. of students =51</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (&gt;= 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>CHEN 3101: Chemical Process Technology</b>	3	3	7	14	12	7	5
<b>(%)</b>	5.88	5.88	13.73	27.45	23.53	13.73	9.80
<b>CHEN 3102: Chemical Reaction Engineering - I</b>	6	3	9	10	11	11	1
<b>(%)</b>	11.76	5.88	17.65	19.61	21.57	21.57	1.96
<b>CHEN 3103: Mass Transfer I</b>	7	4	3	10	11	13	3
<b>(%)</b>	13.73	7.84	5.88	19.61	21.57	25.49	5.88
<b>CHEN 3104: Numerical Methods in Chemical Engineering</b>	4	0	2	8	19	11	7
<b>(%)</b>	7.84	0.00	3.92	15.69	37.25	21.57	13.73
<b>CHEN 3131/32: Petrochemical Technology /Energy Engineering</b>	4	2	4	9	17	13	2
<b>(%)</b>	7.84	3.92	7.84	17.65	33.33	25.49	3.92
<b>CHEN 3141/42: Bioprocess Engineering /Industrial Safety and Hazards Analysis</b>	5	5	13	13	10	4	1
<b>(%)</b>	9.80	9.80	25.49	25.49	19.61	7.84	1.96

<b>Chemical Engineering (Lab)</b>							
<b>No. of students =51</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (&gt;= 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>CHEN 3151: Numerical Computation Laboratory</b>	12	13	10	6	3	6	1
<b>(%)</b>	23.53	25.49	19.61	11.76	5.88	11.76	1.96
<b>CHEN 3152: Chemical Reaction Engineering Laboratory</b>	11	29	10	1	0	0	0
<b>(%)</b>	21.57	56.86	19.61	1.96	0.00	0.00	0.00
<b>CHEN 3153: Energy Laboratory: Theory and Practice</b>	9	25	15	2	0	0	0
<b>(%)</b>	17.65	49.02	29.41	3.92	0.00	0.00	0.00

<b>Chemical Engineering (Honours Paper/s)</b>							
<b>No. of students =51</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (&gt;= 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>CHEN 3111: Chemical Reaction Engineering II</b>	3	3	12	10	12	9	2
<b>(%)</b>	5.88	5.88	23.53	19.61	23.53	17.65	3.92

<b>Mechanical Engineering (Theory)</b>							
<b>No. of students =121</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>INCO 3016: Indian Constitution And Civil Society</b>	0	0	13	55	47	6	0
(%)	0.00	0.00	10.74	45.45	38.84	4.96	0.00
<b>MECH 3101: Machine Design-I</b>	2	4	5	18	30	43	19
(%)	1.65	3.31	4.13	14.88	24.79	35.54	15.70
<b>MECH 3102: Heat Transfer</b>	1	9	6	14	34	45	12
(%)	0.83	7.44	4.96	11.57	28.10	37.19	9.92
<b>MECH 3103: Engineering Materials</b>	4	7	19	36	26	20	9
(%)	3.31	5.79	15.70	29.75	21.49	16.53	7.44
<b>MECH 3104 :Machining &amp; Machine Tools</b>	1	11	25	22	28	27	7
(%)	0.83	9.09	20.66	18.18	23.14	22.31	5.79
<b>MECH 3105 :Dynamics of Machines</b>	0	5	11	15	29	43	18
(%)	0.00	4.13	9.09	12.40	23.97	35.54	14.88
<b>MECH 3131/32/33/34 :Fluid Power Control/Refrigeration &amp; Air Conditioning/Electrical Machines/Data Structure &amp; RDBMS</b>	3	15	25	24	22	26	6
(%)	2.48	12.40	20.66	19.83	18.18	21.49	4.96

<b>Mechanical Engineering (Lab)</b>							
<b>No. of students =121</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>MECH 3152:Applied Thermodynamics &amp; Heat Transfer Lab</b>	6	21	36	40	13	3	2
(%)	4.96	17.36	29.75	33.06	10.74	2.48	1.65
<b>MECH 3155:Dynamics of Machines Lab</b>	30	23	27	24	11	4	2
(%)	24.79	19.01	22.31	19.83	9.09	3.31	1.65
<b>MECH 3181/82/83/84: Fluid Power Control Lab/Refrigeration and Air Conditioning Lab /Electrical Machines Lab/RDBMS Lab</b>	17	34	37	24	7	0	2
(%)	14.05	28.10	30.58	19.83	5.79	0.00	1.65

<b>Civil Engineering (Theory)</b>							
<b>No. of students =122</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>INCO 3016: Indian Constitution And Civil Society</b>	0	0	12	46	46	16	2
(%)	0.00	0.00	9.38	35.94	35.94	12.50	1.56
<b>CIVL 3101: Structural Analysis -II</b>	8	20	29	33	19	7	6
(%)	6.56	16.39	23.77	27.05	15.57	5.74	4.92
<b>CIVL 3102:Design of R.C.C.Structures</b>	2	5	24	27	30	31	3
(%)	1.64	4.10	19.67	22.13	24.59	25.41	2.46
<b>CIVL 3103: Environmental Engineering</b>	4	6	22	28	38	15	9
(%)	3.28	4.92	18.03	22.95	31.15	12.30	7.38
<b>CSEN 3106: Data Structure &amp; RDBMS</b>	0	9	19	26	36	25	7
(%)	0.00	7.38	15.57	21.31	29.51	20.49	5.74
<b>CIVL 3141: Foundation Engineering</b>	1	3	7	21	49	39	2
(%)	0.82	2.46	5.74	17.21	40.16	31.97	1.64

<b>Civil Engineering (Lab)</b>							
<b>No. of students =122</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>CIVL 3152:R.C.C.Design and Detailing Lab</b>	16	45	26	24	9	0	2
(%)	13.11	36.89	21.31	19.67	7.38	0.00	1.64
<b>CIVL 3153: Environmental Engineering Lab</b>	38	36	23	15	5	2	3
(%)	31.15	29.51	18.85	12.30	4.10	1.64	2.46
<b>CSEN 3156: RDBMS Lab</b>	41	41	31	7	0	1	1
(%)	33.61	33.61	25.41	5.74	0.00	0.82	0.82



<b>Electrical Engineering (Theory)</b>							
<b>No. of students =59</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (&gt;= 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>INCO 3016: Indian Constitution And Civil Society</b>	0	0	0	24	28	7	0
(%)	0.00	0.00	0.00	40.68	47.46	11.86	0.00
<b>ELEC 3101: Electrical Machines - II</b>	1	3	8	8	17	20	2
(%)	1.69	5.08	13.56	13.56	28.81	33.90	3.39
<b>ELEC 3102 :Power System - I</b>	3	7	11	19	14	5	0
(%)	5.08	11.86	18.64	32.20	23.73	8.47	0.00
<b>ELEC 3103: Control System</b>	8	11	18	12	7	3	0
(%)	13.56	18.64	30.51	20.34	11.86	5.08	0.00
<b>ELEC 3104 :Power Electronics</b>	1	6	12	20	12	4	4
(%)	1.69	10.17	20.34	33.90	20.34	6.78	6.78
<b>ELEC 3141: Digital Signal Processing</b>	10	10	9	14	9	6	1
(%)	16.95	16.95	15.25	23.73	15.25	10.17	1.69

<b>Electrical Engineering (Lab)</b>							
<b>No. of students =59</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (&gt;= 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>ELEC 3151:Electrical Machines - II Lab</b>	10	40	6	3	0	0	0
(%)	16.95	67.80	10.17	5.08	0.00	0.00	0.00
<b>ELEC 3152: Power system - I Lab</b>	5	25	21	6	1	0	1
(%)	8.47	42.37	35.59	10.17	1.69	0.00	1.69
<b>ELEC 3153:Control System Lab</b>	13	16	22	7	0	1	0
(%)	22.03	27.12	37.29	11.86	0.00	1.69	0.00
<b>ELEC 3154: Power Electronics Lab</b>	9	26	17	4	1	1	1
(%)	15.25	44.07	28.81	6.78	1.69	1.69	1.69

<b>Computer Science &amp; Business Systems (Theory)</b>							
<b>No. of students =65</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (&gt;= 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>HMTS 3101: Principles of Management</b>	3	24	23	13	2	0	0
<b>(%)</b>	4.62	36.92	35.38	20.00	3.08	0.00	0.00
<b>CSBS 3101: Computer Networks</b>	3	9	15	21	8	6	3
<b>(%)</b>	4.62	13.85	23.08	32.31	12.31	9.23	4.62
<b>CSBS 3102: Database Management Systems</b>	3	10	8	23	11	10	0
<b>(%)</b>	4.62	15.38	12.31	35.38	16.92	15.38	0.00
<b>CSBS 3103: Formal Language &amp; Automata Theory</b>	3	8	6	17	10	16	5
<b>(%)</b>	4.62	12.31	9.23	26.15	15.38	24.62	7.69
<b>CSBS 3132/CSBS 3133 :E-Commerce /Soft Computing/</b>	3	5	17	22	13	5	0
<b>(%)</b>	4.62	7.69	26.15	33.85	20.00	7.69	0.00

<b>Computer Science &amp; Business Systems (Lab)</b>							
<b>No. of students =65</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (&gt;= 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>CSBS 3151: Computer Networks Lab</b>	12	12	21	15	4	0	1
<b>(%)</b>	18.46	18.46	32.31	23.08	6.15	0.00	1.54
<b>CSBS 3152: Database Management Systems Lab</b>	7	9	20	22	6	1	0
<b>(%)</b>	10.77	13.85	30.77	33.85	9.23	1.54	0.00

<b>Computer Science &amp; Business Systems (Honours Paper/s)</b>							
<b>No. of students =65</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (&gt;= 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>CSBS 3111 :Artificial Intelligence</b>	6	14	21	13	8	3	0
<b>(%)</b>	9.23	21.54	32.31	20.00	12.31	4.62	0.00
<b>CSBS 3161: Artificial Intelligence using Python Lab</b>	8	19	20	11	4	3	0
<b>(%)</b>	12.31	29.23	30.77	16.92	6.15	4.62	0.00

**RESULT ANALYSIS - ODD SEM, 2022**  
**7<sup>th</sup> SEM - B.TECH (THEORY & LAB)**

**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/F C (<40)
<b>HMTS 4101</b> <b>Principles of Management</b>	11	63	69	49	22	1	0
(%)	5.12	29.30	32.09	22.79	10.23	0.47	0.00
<b>CSEN 4132 / 4136</b> <b>Cryptography &amp; Network Security/NoSQL Database with MongoDB</b>	12	15	45	59	58	21	5
(%)	5.58	6.98	20.93	27.44	26.98	9.77	2.33
<b>BIOT 4124 / ECEN 4121/ MATH 4121 / MECH 4124</b> <b>Biosensor/Software Defined Radio/Methods in Optimization/Engineering Computational Techniques</b>	21	32	63	50	34	13	2
(%)	9.77	14.88	29.30	23.26	15.81	6.05	0.93
<b>AEIE 4127 / BIOT 4126 / ECEN 4127 / MATH 4126 / MECH 4130</b> <b>Introduction to Embedded System/Biopolymer/Ad-Hoc Wireless Networks/Linear Algebra/Ecology and Environmental Engineering</b>	60	44	50	28	20	9	4
(%)	27.91	20.47	23.26	13.02	9.30	4.19	1.86

**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/F C (<40)
<b>CSEN 4191</b> <b>Industrial Training / Internship</b>	56	50	68	22	19	0	0
(%)	26.05	23.26	31.63	10.23	8.84	0.00	0.00
<b>CSEN 4195</b> <b>Project-I</b>	26	68	79	36	6	0	0
(%)	12.09	31.63	36.74	16.74	2.79	0.00	0.00

**COMPUTER SCIENCE & ENGINEERING (Honours Paper/s)****NO. OF STUDENTS =215**

<b>Paper Code &amp; Percentage</b>	<b>O (<math>\geq 90</math>)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (<math>&lt;40</math>)</b>
<b>CSEN 4111 Compiler Design</b>	<b>3</b>	<b>30</b>	<b>63</b>	<b>59</b>	<b>39</b>	<b>19</b>	<b>2</b>
<b>(%)</b>	<b>1.40</b>	<b>13.95</b>	<b>29.30</b>	<b>27.44</b>	<b>18.14</b>	<b>8.84</b>	<b>0.93</b>
<b>CSEN 4161 Compiler Design Lab</b>	<b>41</b>	<b>72</b>	<b>59</b>	<b>29</b>	<b>9</b>	<b>3</b>	<b>2</b>
<b>(%)</b>	<b>19.07</b>	<b>33.49</b>	<b>27.44</b>	<b>13.49</b>	<b>4.19</b>	<b>1.40</b>	<b>0.93</b>

<b>INFORMATION TECHNOLOGY (THEORY)</b>							
<b>NO. OF STUDENTS = 69</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>HMTS 4101 Principles of Management</b>	0	2	15	21	21	10	0
(%)	0.00	2.90	21.74	30.43	30.43	14.49	0.00
<b>INFO 4132 Mobile Computing</b>	0	5	14	28	11	11	0
(%)	0.00	7.25	20.29	40.58	15.94	15.94	0.00
<b>INFO 4122 Machine Learning</b>	0	3	13	26	18	5	4
(%)	0.00	4.35	18.84	37.68	26.09	7.25	5.80
<b>ECEN 4127 Ad Hoc Wireless Networks</b>	8	12	27	12	6	4	0
(%)	11.59	17.39	39.13	17.39	8.70	5.80	0.00

<b>INFORMATION TECHNOLOGY (LAB)</b>							
<b>NO. OF STUDENTS = 69</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>INFO 4191 Industrial Training / Internship</b>	26	23	13	7	0	0	0
(%)	37.68	33.33	18.84	10.14	0.00	0.00	0.00
<b>INFO 4195 Project-I</b>	13	31	20	4	1	0	0
(%)	18.84	44.93	28.99	5.80	1.45	0.00	0.00

<b>INFORMATION TECHNOLOGY (Honours Paper/s)</b>							
<b>NO. OF STUDENTS = 69</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>INFO 4111 Artificial Intelligence</b>	0	0	8	26	24	9	2
(%)	0.00	0.00	11.59	37.68	34.78	13.04	2.90

<b>ELECTRONICS &amp; COMMUNICATION ENGINEERING (THEORY)</b>							
<b>NO. OF STUDENTS = 211</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>HMTS 4101: Principles of Management</b>	6	23	51	55	47	27	2
(%)	2.84	10.90	24.17	26.07	22.27	12.80	0.95
<b>ECEN 4142 / 4144 : Fiber Optic Communication/Ad Hoc Networks &amp; Security</b>	84	35	36	28	16	12	0
(%)	39.81	16.59	17.06	13.27	7.58	5.69	0.00
<b>AEIE 4122/ CSEN 4121 / ECEN 4121 / INFO 4121 / MATH 4121: Linear Control Systems and Applications/Fundamentals of Operating Systems/Software Defined Radio/Fundamentals of Cloud Computing/Methods in Optimization</b>	16	41	65	48	30	10	1
(%)	7.58	19.43	30.81	22.75	14.22	4.74	0.47
<b>AEIE 4126 / AEIE 4127 / CHEN 4126 / CSEN 4126 / ECEN 4126 : Optical Instrumentation/Introduction to Embedded System/Industrial Total Quality Management /Intelligent Web and Big Data/Principles of Radar</b>	17	34	63	41	23	27	6
(%)	8.06	16.11	29.86	19.43	10.90	12.80	2.84

<b>ELECTRONICS &amp; COMMUNICATION ENGINEERING (LAB)</b>							
<b>NO. OF STUDENTS = 211</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>ECEN 4191 : Industrial Training / Internship</b>	97	109	2	2	1	0	0
(%)	45.97	51.66	0.95	0.95	0.47	0.00	0.00
<b>ECEN 4195 : Project Stage - I</b>	72	68	36	30	5	0	0
(%)	34.12	32.23	17.06	14.22	2.37	0.00	0.00

**ELECTRONICS & COMMUNICATION ENGINEERING (Honours Paper/s)****NO. OF STUDENTS = 211**

<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>ECEN 4111: Micro Electronics and Analog VLSI Design</b>	<b>5</b>	<b>9</b>	<b>33</b>	<b>39</b>	<b>59</b>	<b>57</b>	<b>9</b>
<b>(%)</b>	<b>2.37</b>	<b>4.27</b>	<b>15.64</b>	<b>18.48</b>	<b>27.96</b>	<b>27.01</b>	<b>4.27</b>
<b>ECEN 4161: Micro Electronics and Analog VLSI Design Lab</b>	<b>59</b>	<b>81</b>	<b>48</b>	<b>22</b>	<b>1</b>	<b>0</b>	<b>0</b>
<b>(%)</b>	<b>27.96</b>	<b>38.39</b>	<b>22.75</b>	<b>10.43</b>	<b>0.47</b>	<b>0.00</b>	<b>0.00</b>

<b>BIOTECHNOLOGY (THEORY)</b>							
<b>NO. OF STUDENTS =59</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (&gt;= 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>HMTS 4101 : Principles of Management</b>	5	12	29	8	4	1	0
<b>(%)</b>	8.47	20.34	49.15	13.56	6.78	1.69	0.00
<b>BIOT 4131 / 4132 : Biomaterials/Biofertilizers and Biopesticides</b>	5	24	19	6	2	3	0
<b>(%)</b>	8.47	40.68	32.20	10.17	3.39	5.08	0.00
<b>BIOT 4121 / BIOT 4122 : Proteomics and Protein Engineering/Human Genomics</b>	1	6	13	26	7	5	1
<b>(%)</b>	1.69	10.17	22.03	44.07	11.86	8.47	1.69
<b>CHEN 4126 / CHEN 4127: Industrial Total Quality Management /Soft Methods in Microstructure Fabrication</b>	1	12	18	12	10	5	1
<b>(%)</b>	1.69	20.34	30.51	20.34	16.95	8.47	1.69

<b>BIOTECHNOLOGY (LAB)</b>							
<b>NO. OF STUDENTS =59</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (&gt;= 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>BIOT 4191: Industrial Training / Internship</b>	29	23	5	1	0	0	1
<b>(%)</b>	49.15	38.98	8.47	1.69	0.00	0.00	1.69
<b>BIOT 4195: Project-I</b>	37	17	5	0	0	0	0
<b>(%)</b>	62.71	28.81	8.47	0.00	0.00	0.00	0.00

<b>BIOTECHNOLOGY (Honours Paper/s)</b>							
<b>NO. OF STUDENTS =59</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (&gt;= 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>BIOT 4111: Animal Cell Culture and Animal Biotechnology</b>	2	7	11	13	13	10	3
<b>(%)</b>	3.39	11.86	18.64	22.03	22.03	16.95	5.08



<b>APPLIED ELECTRONICS &amp; INSTRUMENTATION ENGINEERING (THEORY)</b>							
<b>NO. OF STUDENTS = 52</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>HMTS 4101: Principles of Management</b>	1	12	20	16	3	0	0
(%)	1.92	23.08	38.46	30.77	5.77	0.00	0.00
<b>AEIE 4131 / 4132: Analytical Instrumentation/Soft Computing</b>	6	8	16	12	6	4	0
(%)	11.54	15.38	30.77	23.08	11.54	7.69	0.00
<b>BIOT 4124 / CSEN 4121 / INFO 4121: Biosensor/Fundamentals of Operating Systems/Fundamentals of Cloud Computing</b>	2	4	16	20	9	1	0
(%)	3.85	7.69	30.77	38.46	17.31	1.92	0.00
<b>CHEN 4126 / CSEN 4126 / MATH 4126 / MECH 4130: Industrial Total Quality Management/Intelligent Web and Big Data/ Linear Algebra/Ecology and Environmental Engineering</b>	6	6	16	19	3	2	0
(%)	11.54	11.54	30.77	36.54	5.77	3.85	0.00

<b>APPLIED ELECTRONICS &amp; INSTRUMENTATION ENGINEERING (LAB)</b>							
<b>NO. OF STUDENTS = 52</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>AEIE 4191: Industrial Training Evaluation</b>	24	27	1	0	0	0	0
(%)	46.15	51.92	1.92	0.00	0.00	0.00	0.00
<b>AEIE 4195 : Project-I</b>	2	23	27	0	0	0	0
(%)	3.85	44.23	51.92	0.00	0.00	0.00	0.00

<b>APPLIED ELECTRONICS &amp; INSTRUMENTATION ENGINEERING (Honours Paper/s)</b>							
<b>NO. OF STUDENTS = 52</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>AEIE 4111: Introduction to MEMS</b>	3	6	11	23	9	0	0
(%)	5.77	11.54	21.15	44.23	17.31	0.00	0.00

<b>CHEMICAL ENGINEERING (THEORY)</b>							
<b>NO. OF STUDENTS = 52</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>HMTS 4101 : Principles of Management</b>	<b>3</b>	<b>8</b>	<b>16</b>	<b>13</b>	<b>6</b>	<b>5</b>	<b>1</b>
<b>(%)</b>	<b>5.77</b>	<b>15.38</b>	<b>30.77</b>	<b>25.00</b>	<b>11.54</b>	<b>9.62</b>	<b>1.92</b>
<b>CHEN 4131 / 4132 / 4133 : Modern Instrumental Methods of Analysis/Petroleum Refinery Engineering/Environmental Engineering</b>	<b>4</b>	<b>11</b>	<b>13</b>	<b>11</b>	<b>6</b>	<b>6</b>	<b>1</b>
<b>(%)</b>	<b>7.69</b>	<b>21.15</b>	<b>25.00</b>	<b>21.15</b>	<b>11.54</b>	<b>11.54</b>	<b>1.92</b>
<b>AEIE 4121 / BIOT 4124 : Instrumentation and Telemetry/Biosensor</b>	<b>7</b>	<b>9</b>	<b>12</b>	<b>6</b>	<b>8</b>	<b>8</b>	<b>2</b>
<b>(%)</b>	<b>13.46</b>	<b>17.31</b>	<b>23.08</b>	<b>11.54</b>	<b>15.38</b>	<b>15.38</b>	<b>3.85</b>
<b>AEIE 4126 / BIOT 4126: Optical Instrumentation/Biopolymer</b>	<b>0</b>	<b>10</b>	<b>20</b>	<b>8</b>	<b>6</b>	<b>6</b>	<b>2</b>
<b>(%)</b>	<b>0.00</b>	<b>19.23</b>	<b>38.46</b>	<b>15.38</b>	<b>11.54</b>	<b>11.54</b>	<b>3.85</b>

<b>CHEMICAL ENGINEERING (LAB)</b>							
<b>NO. OF STUDENTS = 52</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>CHEN 4151 : Design &amp; Simulation Laboratory I</b>	<b>8</b>	<b>32</b>	<b>10</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>(%)</b>	<b>15.38</b>	<b>61.54</b>	<b>19.23</b>	<b>1.92</b>	<b>0.00</b>	<b>0.00</b>	<b>1.92</b>
<b>CHEN 4191 : Industrial Training</b>	<b>10</b>	<b>34</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>(%)</b>	<b>19.23</b>	<b>65.38</b>	<b>13.46</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.92</b>
<b>CHEN 4195 : Project –I</b>	<b>3</b>	<b>25</b>	<b>19</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>(%)</b>	<b>5.77</b>	<b>48.08</b>	<b>36.54</b>	<b>3.85</b>	<b>1.92</b>	<b>1.92</b>	<b>1.92</b>

**CHEMICAL ENGINEERING (Honours Paper/s)****NO. OF STUDENTS =52**

<b>Paper Code &amp; Percentage</b>	<b>O (<math>\geq 90</math>)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (<math>&lt;40</math>)</b>
<b>CHEN 4111 : Industrial Process Control &amp; Instrumentation</b>	<b>3</b>	<b>10</b>	<b>6</b>	<b>11</b>	<b>11</b>	<b>10</b>	<b>1</b>
<b>(%)</b>	<b>5.77</b>	<b>19.23</b>	<b>11.54</b>	<b>21.15</b>	<b>21.15</b>	<b>19.23</b>	<b>1.92</b>

<b>MECHANICAL ENGINEERING (THEORY)</b>							
<b>NO. OF STUDENTS = 121</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>HMTS 4101: Principles of Management</b>	<b>1</b>	<b>7</b>	<b>18</b>	<b>28</b>	<b>54</b>	<b>13</b>	<b>0</b>
<b>(%)</b>	<b>0.83</b>	<b>5.79</b>	<b>14.88</b>	<b>23.14</b>	<b>44.63</b>	<b>10.74</b>	<b>0.00</b>
<b>MECH 4141 / 4142 / 4143 / 4144 : Maintenance Engineering/Materials Handling/Operations Research/Automobile Engineering</b>	<b>5</b>	<b>16</b>	<b>27</b>	<b>35</b>	<b>26</b>	<b>11</b>	<b>1</b>
<b>(%)</b>	<b>4.13</b>	<b>13.22</b>	<b>22.31</b>	<b>28.93</b>	<b>21.49</b>	<b>9.09</b>	<b>0.83</b>
<b>MECH 4121 / MECH 4122 / CIVL 4121: CAD / CAM/Micro and Nano Manufacturing/Project Planning and Management</b>	<b>13</b>	<b>30</b>	<b>33</b>	<b>19</b>	<b>12</b>	<b>10</b>	<b>4</b>
<b>(%)</b>	<b>10.74</b>	<b>24.79</b>	<b>27.27</b>	<b>15.70</b>	<b>9.92</b>	<b>8.26</b>	<b>3.31</b>
<b>MECH 4126 / MECH 4127 / MECH 4128 / CIVL 4126 : Renewable Energy Systems/Industrial Robotics/Computational Methods in Engineering/An introduction to Concrete Technology</b>	<b>30</b>	<b>16</b>	<b>31</b>	<b>27</b>	<b>13</b>	<b>2</b>	<b>2</b>
<b>(%)</b>	<b>24.79</b>	<b>13.22</b>	<b>25.62</b>	<b>22.31</b>	<b>10.74</b>	<b>1.65</b>	<b>1.65</b>

<b>MECHANICAL ENGINEERING (LAB)</b>							
<b>NO. OF STUDENTS = 121</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>MECH 4191 Industrial Training / Summer Internship</b>	<b>62</b>	<b>48</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>(%)</b>	<b>51.24</b>	<b>39.67</b>	<b>9.09</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>MECH 4195 Project-I</b>	<b>21</b>	<b>48</b>	<b>29</b>	<b>11</b>	<b>5</b>	<b>7</b>	<b>0</b>
<b>(%)</b>	<b>17.36</b>	<b>39.67</b>	<b>23.97</b>	<b>9.09</b>	<b>4.13</b>	<b>5.79</b>	<b>0.00</b>

**MECHANICAL ENGINEERING (Honours Paper/s)****NO. OF STUDENTS = 121**

<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>MECH 4111 Advanced Manufacturing and Automation</b>	<b>5</b>	<b>17</b>	<b>50</b>	<b>30</b>	<b>10</b>	<b>6</b>	<b>3</b>
<b>(%)</b>	<b>4.13</b>	<b>14.05</b>	<b>41.32</b>	<b>24.79</b>	<b>8.26</b>	<b>4.96</b>	<b>2.48</b>
<b>MECH 4161 Advanced Manufacturing and Automation Lab</b>	<b>13</b>	<b>39</b>	<b>34</b>	<b>16</b>	<b>13</b>	<b>5</b>	<b>1</b>
<b>(%)</b>	<b>10.74</b>	<b>32.23</b>	<b>28.10</b>	<b>13.22</b>	<b>10.74</b>	<b>4.13</b>	<b>0.83</b>

<b>CIVIL ENGINEERING (THEORY)</b>							
<b>NO. OF STUDENTS =127</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>HMTS 4101: Principles of Management</b>	0	27	34	44	18	4	0
(%)	0.00	21.26	26.77	34.65	14.17	3.15	0.00
<b>CIVL 4141: Prestressed Concrete Structures</b>	8	23	40	30	14	10	2
(%)	6.30	18.11	31.50	23.62	11.02	7.87	1.57
<b>CIVL 4146: Advanced Highway and Traffic Engineering</b>	2	15	68	38	4	0	0
(%)	1.57	11.81	53.54	29.92	3.15	0.00	0.00
<b>MECH 4123: Mechanical Handling of Materials</b>	2	9	34	53	26	3	0
(%)	1.57	7.09	26.77	41.73	20.47	2.36	0.00
<b>BIOT 4126 / CHEN 4126 / MECH 4129: Biopolymer/Industrial Total Quality Management /Quality Control and Management</b>	3	12	42	41	22	7	0
(%)	2.36	9.45	33.07	32.28	17.32	5.51	0.00

<b>CIVIL ENGINEERING (LAB)</b>							
<b>NO. OF STUDENTS =127</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>CIVL 4191 Industrial Training / Internship</b>	49	53	16	6	2	0	1
(%)	38.58	41.73	12.60	4.72	1.57	0.00	0.79
<b>CIVL 4195 Project-I</b>	32	40	31	17	6	0	1
(%)	25.20	31.50	24.41	13.39	4.72	0.00	0.79

<b>CIVIL ENGINEERING (Honours Paper/s)</b>							
<b>NO. OF STUDENTS =127</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>CIVL 4115 Water Resources Engineering</b>	10	17	29	30	20	17	4
(%)	7.87	13.39	22.83	23.62	15.75	13.39	3.15

<b>ELECTRICAL ENGINEERING (THEORY)</b>							
<b>NO. OF STUDENTS = 58</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>HMTS 4101 Principles of Management</b>	0	4	8	31	6	9	0
<b>(%)</b>	0.00	6.90	13.79	53.45	10.34	15.52	0.00
<b>ELEC 4131 Advanced Power System</b>	6	4	19	13	11	5	0
<b>(%)</b>	10.34	6.90	32.76	22.41	18.97	8.62	0.00
<b>AEIE 4121 / INFO 4121 Instrumentation and Telemetry/Fundamentals of Cloud Computing</b>	1	8	12	11	16	10	0
<b>(%)</b>	1.72	13.79	20.69	18.97	27.59	17.24	0.00
<b>AEIE 4126 / CHEN 4126 Optical Instrumentation/Industrial Total Quality Management</b>	0	3	10	17	18	10	0
<b>(%)</b>	0.00	5.17	17.24	29.31	31.03	17.24	0.00

<b>ELECTRICAL ENGINEERING (LAB)</b>							
<b>NO. OF STUDENTS = 58</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>ELEC 4191 Industrial Training Evaluation</b>	0	26	26	6	0	0	0
<b>(%)</b>	0.00	44.83	44.83	10.34	0.00	0.00	0.00
<b>ELEC 4195 Project Stage - I</b>	15	18	25	0	0	0	0
<b>(%)</b>	25.86	31.03	43.10	0.00	0.00	0.00	0.00

<b>ELECTRICAL ENGINEERING (Honours Paper/s)</b>							
<b>NO. OF STUDENTS = 58</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>ELEC 4111 Transducers &amp; Sensors</b>	0	8	7	18	19	6	0
<b>(%)</b>	0.00	13.79	12.07	31.03	32.76	10.34	0.00

**RESULT ANALYSIS - ODD SEM, 2022**  
**1<sup>ST</sup> SEM - M.TECH (THEORY & LAB)**

<b>Computer Science &amp; Engineering (Theory)</b>							
<b>No. of students = 11</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>CSEN 5101: Advanced Data Structures</b>	0	1	3	3	3	0	1
<b>(%)</b>	0.00	9.09	27.27	27.27	27.27	0.00	9.09
<b>CSEN 5102: Research Methodology and IPR</b>	2	3	3	1	1	1	0
<b>(%)</b>	18.18	27.27	27.27	9.09	9.09	9.09	0.00
<b>MATH 5101: Advanced Discrete Mathematics &amp; Statistical Methods</b>	0	1	1	2	5	1	1
<b>(%)</b>	0.00	9.09	9.09	18.18	45.45	9.09	9.09
<b>CSEN 5131: Machine Learning</b>	0	1	1	1	5	2	1
<b>(%)</b>	0.00	9.09	9.09	9.09	45.45	18.18	9.09
<b>CSEN 5141: Data Science</b>	2	3	2	3	0	1	0
<b>(%)</b>	18.18	27.27	18.18	27.27	0.00	9.09	0.00
<b>DIMA 5116: Disaster Management</b>	0	0	1	0	6	3	1
<b>(%)</b>	0.00	0.00	9.09	0.00	54.55	27.27	9.09

<b>Computer Science &amp; Engineering (Lab)</b>							
<b>No. of students = 11</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>CSEN 5151: Advanced Data Structure Lab</b>	2	0	1	3	4	1	0
<b>(%)</b>	18.18	0.00	9.09	27.27	36.36	9.09	0.00
<b>CSEN 5181: Machine Learning Lab</b>	0	3	1	4	2	1	0
<b>(%)</b>	0.00	27.27	9.09	36.36	18.18	9.09	0.00



<b>Electronics &amp; Communication Engineering (Theory)</b>							
<b>No. of students = 3</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>ECEN 5101: Antenna &amp; Radiating Systems</b>	0	1	1	0	1	0	0
<b>(%)</b>	0.00	33.33	33.33	0.00	33.33	0.00	0.00
<b>ECEN 5102: Wireless &amp; Mobile Communication</b>	0	2	0	0	1	0	0
<b>(%)</b>	0.00	66.67	0.00	0.00	33.33	0.00	0.00
<b>ECEN 5103: Research Methodology &amp; IPR</b>	3	0	0	0	0	0	0
<b>(%)</b>	100.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>ECEN 5131: Wireless Ad Hoc &amp; Sensor Networks</b>	1	2	0	0	0	0	0
<b>(%)</b>	33.33	66.67	0.00	0.00	0.00	0.00	0.00
<b>ECEN 5141: Satellite Communication &amp; Applications</b>	1	1	0	1	0	0	0
<b>(%)</b>	33.33	33.33	0.00	33.33	0.00	0.00	0.00
<b>DIMA 5116: Disaster Management</b>	0	1	0	2	0	0	0
<b>(%)</b>	0.00	33.33	0.00	66.67	0.00	0.00	0.00

<b>Electronics &amp; Communication Engineering (Lab)</b>							
<b>No. of students = 3</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>ECEN 5151: Antenna &amp; Radiating Systems Lab</b>	2	0	1	0	0	0	0
<b>(%)</b>	66.67	0.00	33.33	0.00	0.00	0.00	0.00
<b>ECEN 5152: Wireless &amp; Mobile Communication Lab</b>	2	0	1	0	0	0	0
<b>(%)</b>	66.67	0.00	33.33	0.00	0.00	0.00	0.00

<b>ECE-VLSI (Theory)</b>							
<b>No. of students = 5</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>VLSI 5101 Digital VLSI IC Design</b>	1	0	0	2	0	0	2
<b>(%)</b>	20.00	0.00	0.00	40.00	0.00	0.00	40.00
<b>VLSI 5102 Embedded Systems Design</b>	1	1	1	0	0	2	0
<b>(%)</b>	20.00	20.00	20.00	0.00	0.00	40.00	0.00
<b>ECEN 5103 Research Methodology &amp; IPR</b>	3	0	0	0	0	2	0
<b>(%)</b>	60.00	0.00	0.00	0.00	0.00	40.00	0.00
<b>VLSI 5132 VLSI IC Fabrication</b>	0	1	0	1	1	0	2
<b>(%)</b>	0.00	20.00	0.00	20.00	20.00	0.00	40.00
<b>VLSI 5142 Modelling of VLSI Device</b>	0	1	0	0	0	2	2
<b>(%)</b>	0.00	20.00	0.00	0.00	0.00	40.00	40.00
<b>DIMA 5116 Disaster Management</b>	0	1	0	1	3	0	0
<b>(%)</b>	0.00	20.00	0.00	20.00	60.00	0.00	0.00

<b>ECE-VLSI (Lab)</b>							
<b>No. of students = 5</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>VLSI 5151 Digital VLSI IC Design Lab</b>	2	1	0	0	2	0	0
<b>(%)</b>	40.00	20.00	0.00	0.00	40.00	0.00	0.00
<b>VLSI 5152 Embedded Systems Design Lab</b>	3	0	1	1	0	0	0
<b>(%)</b>	60.00	0.00	20.00	20.00	0.00	0.00	0.00

<b>Biotechnology (Theory)</b>							
<b>No. of students = 18</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>BIOT 5101 Advanced Genetic Engineering</b>	1	1	1	4	5	3	3
<b>(%)</b>	5.56	5.56	5.56	22.22	27.78	16.67	16.67
<b>BIOT 5102 Physicochemical Techniques in Biotechnology</b>	0	0	2	10	3	3	0
<b>(%)</b>	0.00	0.00	11.11	55.56	16.67	16.67	0.00
<b>BIOT 5103 Research Methodology, Bioethics &amp; IPR</b>	0	6	7	5	0	0	0
<b>(%)</b>	0.00	33.33	38.89	27.78	0.00	0.00	0.00
<b>BIOT 5131 Advanced Enzyme Technology</b>	3	5	4	4	2	0	0
<b>(%)</b>	16.67	27.78	22.22	22.22	11.11	0.00	0.00
<b>BIOT 5141/42 Agricultural Biotechnology/Advanced Environmental Biotechnology</b>	2	5	4	6	1	0	0
<b>(%)</b>	11.11	27.78	22.22	33.33	5.56	0.00	0.00
<b>DIMA 5116 Disaster Management</b>	0	0	6	3	7	2	0
<b>(%)</b>	0.00	0.00	33.33	16.67	38.89	11.11	0.00

<b>Biotechnology (Lab)</b>							
<b>No. of students = 18</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>BIOT 5151 Advanced Genetic Engineering Lab</b>	3	7	7	1	0	0	0
<b>(%)</b>	16.67	38.89	38.89	5.56	0.00	0.00	0.00
<b>BIOT 5152 Physicochemical Techniques Lab</b>	0	1	7	9	0	1	0
<b>(%)</b>	0.00	5.56	38.89	50.00	0.00	5.56	0.00

<b>Applied Electronics &amp; Instrumentation Engineering (Theory)</b>							
<b>No. of students = 6</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>AEIE 5101: Advanced Digital Signals and Systems</b>	0	1	4	1	0	0	0
(%)	0.00	16.67	66.67	16.67	0.00	0.00	0.00
<b>AEIE 5102: Programming Language for Embedded IoT Systems</b>	0	1	3	1	1	0	0
(%)	0.00	16.67	50.00	16.67	16.67	0.00	0.00
<b>AEIE 5103: Research Methodology &amp; IPR</b>	0	4	1	0	0	1	0
(%)	0.00	66.67	16.67	0.00	0.00	16.67	0.00
<b>AEIE 5132: Medical Instrumentation</b>	0	2	4	0	0	0	0
(%)	0.00	33.33	66.67	0.00	0.00	0.00	0.00
<b>AEIE 5141: Mechatronics</b>	0	0	4	2	0	0	0
(%)	0.00	0.00	66.67	33.33	0.00	0.00	0.00
<b>DIMA 5116: Disaster Management</b>	0	0	2	3	0	1	0
(%)	0.00	0.00	33.33	50.00	0.00	16.67	0.00

<b>Applied Electronics &amp; Instrumentation Engineering (Lab)</b>							
<b>No. of students = 6</b>							
<b>Paper Code &amp; Percentage</b>	<b>O (≥ 90)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>AEIE 5151 Digital Signals Processing Lab</b>	2	3	1	0	0	0	0
(%)	33.33	50.00	16.67	0.00	0.00	0.00	0.00
<b>AEIE 5152 Programming Language Lab</b>	3	2	0	1	0	0	0
(%)	50.00	33.33	0.00	16.67	0.00	0.00	0.00

**RESULT ANALYSIS - ODD SEM, 2022**  
**3<sup>RD</sup> SEM - M.TECH (THEORY & DISSERTATION)**

<b>Computer Science &amp; Engineering</b>							
<b>No. of students = 3</b>							
<b>PAPER CODE</b>	<b>O (&gt;89)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>CSEN 6137:Information Retrieval</b>	0	0	1	1	1	0	0
<b>%</b>	0.00	0.00	33.33	33.33	33.33	0.00	0.00
<b>MATH 6121:Optimization Techniques</b>	1	0	0	0	2	0	0
<b>%</b>	33.33	0.00	0.00	0.00	66.67	0.00	0.00
<b>CSEN 6195: Dissertation Phase -I</b>	1	2	0	0	0	0	0
<b>%</b>	33.33	66.67	0.00	0.00	0.00	0.00	0.00

<b>Electronics &amp; Communication Engineering</b>							
<b>No. of students = 3</b>							
<b>PAPER CODE</b>	<b>O (&gt;89)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>ECEN 6132: Internet of Things (IoT) and Applications</b>	0	2	0	0	1	0	0
<b>%</b>	0.00	66.67	0.00	0.00	33.33	0.00	0.00
<b>ECEN 6125:Design and Technology for Photonic Integrated Circuits</b>	0	0	0	2	0	1	0
<b>%</b>	0.00	0.00	0.00	66.67	0.00	33.33	0.00
<b>ECEN 6195: Dissertation Phase -I</b>	1	1	0	0	1	0	0
<b>%</b>	33.33	33.33	0.00	0.00	33.33	0.00	0.00

<b>ECE - VLSI</b>							
<b>No. of students = 3</b>							
<b>PAPER CODE</b>	<b>O (&gt;89)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>VLSI 6132:RF IC Design and MEMS</b>	0	0	1	1	1	0	0
<b>%</b>	0.00	0.00	33.33	33.33	33.33	0.00	0.00
<b>ECEN 6125:Design and Technology for Photonic Integrated Circuits</b>	0	1	0	2	0	0	0
<b>%</b>	0.00	33.33	0.00	66.67	0.00	0.00	0.00
<b>VLSI 6195:Dissertation Phase -I</b>	1	1	0	0	1	0	0
<b>%</b>	33.33	33.33	0.00	0.00	33.33	0.00	0.00

<b>Biotechnology</b>							
<b>No. of students = 18</b>							
<b>PAPER CODE</b>	<b>O (&gt;89)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>BIOT 6121: Engineering Mathematics and Biostatistics</b>	1	6	5	3	3	0	0
<b>%</b>	5.56	33.33	27.78	16.67	16.67	0.00	0.00
<b>BIOT 6131/6132/ 6133:Modelling and Simulation in Bioprocess/Biopharmaceuticals/Dow nstream Processing</b>	4	6	1	3	3	1	0
<b>%</b>	22.22	33.33	5.56	16.67	16.67	5.56	0.00
<b>BIOT 6195: Dissertation-I / Industrial Project</b>	12	4	1	0	1	0	0
<b>%</b>	66.67	22.22	5.56	0.00	5.56	0.00	0.00

<b>Applied Electronics &amp; Instrumentation Engineering</b>							
<b>No. of students = 8</b>							
<b>PAPER CODE</b>	<b>O (&gt;89)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>AEIE 6134: Remote Sensing</b>	0	0	2	4	2	0	0
<b>%</b>	0.00	0.00	25.00	50.00	25.00	0.00	0.00
<b>AEIE 6121:Biosignal &amp; Biomedical Image Processing</b>	0	1	2	2	2	1	0
<b>%</b>	0.00	12.50	25.00	25.00	25.00	12.50	0.00
<b>AEIE 6195: Dissertation Phase -I</b>	4	3	1	0	0	0	0
<b>%</b>	50.00	37.50	12.50	0.00	0.00	0.00	0.00

<b>Renewable Energy</b>							
<b>No. of students = 4</b>							
<b>PAPER CODE</b>	<b>O (&gt;89)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>REEN 6143: Environment Impact Assessment</b>	0	3	0	1	0	0	0
<b>%</b>	0.00	75.00	0.00	25.00	0.00	0.00	0.00
<b>REEN 6122: Safety &amp; Hazards in Energy Industry</b>	0	2	0	1	1	0	0
<b>%</b>	0.00	50.00	0.00	25.00	25.00	0.00	0.00
<b>REEN 6195: Dissertation /Industrial Project - Phase -I</b>	0	3	1	0	0	0	0
<b>%</b>	0.00	75.00	25.00	0.00	0.00	0.00	0.00

**RESULT ANALYSIS - ODD SEM, 2022**  
**3<sup>RD</sup> SEM - MCA (THEORY & LAB)**

<b>Master of Computer Application (Theory)</b>							
<b>No. of students = 58</b>							
<b>PAPER CODE</b>	<b>O (&gt;89)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>MCAP 2101: Database Management Systems</b>	0	1	7	17	21	8	4
<b>%</b>	<b>0.00</b>	<b>1.72</b>	<b>12.07</b>	<b>29.31</b>	<b>36.21</b>	<b>13.79</b>	<b>6.90</b>
<b>MCAP 2102: Web Technology</b>	2	7	12	12	11	10	4
<b>%</b>	<b>3.45</b>	<b>12.07</b>	<b>20.69</b>	<b>20.69</b>	<b>18.97</b>	<b>17.24</b>	<b>6.90</b>
<b>MATH 2102: Introduction to Optimization</b>	5	13	14	15	11	0	0
<b>%</b>	<b>8.62</b>	<b>22.41</b>	<b>24.14</b>	<b>25.86</b>	<b>18.97</b>	<b>0.00</b>	<b>0.00</b>
<b>MCAP 2150/MCAP 2152 :Machine Learning/ Ecommerce &amp; ERP</b>	0	8	10	22	8	8	2
<b>%</b>	<b>0.00</b>	<b>13.79</b>	<b>17.24</b>	<b>37.93</b>	<b>13.79</b>	<b>13.79</b>	<b>3.45</b>
<b>MCAP 2160/MCAP 2161: Cryptography and Network Security/Automata Theory and Compiler Design</b>	1	6	10	22	11	6	2
<b>%</b>	<b>1.72</b>	<b>10.34</b>	<b>17.24</b>	<b>37.93</b>	<b>18.97</b>	<b>10.34</b>	<b>3.45</b>

<b>Master of Computer Application (Lab)</b>							
<b>No. of students = 58</b>							
<b>PAPER CODE</b>	<b>O (&gt;89)</b>	<b>E (80-89)</b>	<b>A (70-79)</b>	<b>B (60-69)</b>	<b>C (50-59)</b>	<b>D (40-49)</b>	<b>F/FA/FC (&lt;40)</b>
<b>MCAP 2111: DBMS Lab</b>	3	5	19	19	10	2	0
<b>%</b>	<b>5.17</b>	<b>8.62</b>	<b>32.76</b>	<b>32.76</b>	<b>17.24</b>	<b>3.45</b>	<b>0.00</b>
<b>MCAP 2112: Web Technology Lab</b>	11	8	18	13	5	3	0
<b>%</b>	<b>18.97</b>	<b>13.79</b>	<b>31.03</b>	<b>22.41</b>	<b>8.62</b>	<b>5.17</b>	<b>0.00</b>
<b>MCAP 2195: Minor Project and Seminar</b>	13	22	15	8	0	0	0
<b>%</b>	<b>22.41</b>	<b>37.93</b>	<b>25.86</b>	<b>13.79</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>