



# HERITAGE INSTITUTE OF TECHNOLOGY

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**RESULT OF ODD SEMESTER EXAMINATIONS, 2019-20**

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*Placed for*

Approval of  
Academic Council

In its meeting dated 07.02.2020

*PC*  
Principal  
Heritage Institute of Technology

*Prayak*  
*7/02/20*  
Controller of Examinations  
Heritage Institute of Technology

**RESULT ANALYSIS - ODD SEM, 2019**  
**1<sup>ST</sup> YEAR - B.TECH (THEORY)**

<b>MATHEMATICS-I</b>										
<b>MATH 1101</b>										
Letter Grade	CSE	IT	ECE	BT	AEIE	ChE	ME	CE	EE	Total
O (>89) (%)	38	8	25	0	5	2	9	4	7	98
	20.77	12.90	13.81	0.00	9.62	3.85	8.33	3.74	11.29	11.28
E (80-89) (%)	37	5	37	5	7	8	17	22	8	146
	20.22	8.06	20.44	8.06	13.46	15.38	15.74	20.56	12.90	16.80
A (70-79) (%)	31	19	34	10	7	12	8	18	17	156
	16.94	30.65	18.78	16.13	13.46	23.08	7.41	16.82	27.42	17.95
B (60-69) (%)	24	9	24	10	9	8	17	10	7	118
	13.11	14.52	13.26	16.13	17.31	15.38	15.74	9.35	11.29	13.58
C (50-59) (%)	21	5	25	17	9	8	20	15	9	129
	11.48	8.06	13.81	27.42	17.31	15.38	18.52	14.02	14.52	14.84
D (40-49) (%)	19	10	17	11	9	9	21	21	10	127
	10.38	16.13	9.39	17.74	17.31	17.31	19.44	19.63	16.13	14.61
F (<40) (%)	13	5	17	7	6	5	15	15	4	87
	7.10	8.06	9.39	11.29	11.54	9.62	13.89	14.02	6.45	10.01
FA (%)	0	1	2	2	0	0	1	2	0	8
	0.00	1.61	1.10	3.23	0.00	0.00	0.93	1.87	0.00	0.92
<b>Total Students</b>	<b>183</b>	<b>62</b>	<b>181</b>	<b>62</b>	<b>52</b>	<b>52</b>	<b>108</b>	<b>107</b>	<b>62</b>	<b>869</b>

<b>CHEMISTRY - I</b>					
<b>CHEM 1001</b>					
Letter Grade	CSE	IT	ECE	AEIE	Total
O (>89) (%)	20	0	4	2	26
	10.93	0.00	2.21	3.85	5.44
E (80-89) (%)	40	11	17	4	72
	21.86	17.74	9.39	7.69	15.06
A (70-79) (%)	32	4	29	9	74
	17.49	6.45	16.02	17.31	15.48
B (60-69) (%)	30	17	38	15	100
	16.39	27.42	20.99	28.85	20.92
C (50-59) (%)	18	12	41	9	80
	9.84	19.35	22.65	17.31	16.74
D (40-49) (%)	30	13	36	9	88
	16.39	20.97	19.89	17.31	18.41
F (<40) (%)	12	4	15	4	35
	6.56	6.45	8.29	7.69	7.32
FA (%)	1	1	1	0	3
	0.55	1.61	0.55	0.00	0.63
<b>Total Students</b>	<b>183</b>	<b>62</b>	<b>181</b>	<b>52</b>	<b>478</b>

<b>BASIC ELECTRICAL ENGINEERING</b>					
<b>ELEC 1001</b>					
<b>Letter Grade</b>	<b>CSE</b>	<b>IT</b>	<b>ECE</b>	<b>AEIE</b>	<b>Total</b>
<b>O (&gt;89)</b> <b>(%)</b>	<b>16</b>	<b>4</b>	<b>16</b>	<b>2</b>	<b>38</b>
	<b>8.74</b>	<b>6.45</b>	<b>8.84</b>	<b>3.85</b>	<b>7.95</b>
<b>E (80-89)</b> <b>(%)</b>	<b>27</b>	<b>9</b>	<b>26</b>	<b>8</b>	<b>70</b>
	<b>14.75</b>	<b>14.52</b>	<b>14.36</b>	<b>15.38</b>	<b>14.64</b>
<b>A (70-79)</b> <b>(%)</b>	<b>34</b>	<b>9</b>	<b>27</b>	<b>8</b>	<b>78</b>
	<b>18.58</b>	<b>14.52</b>	<b>14.92</b>	<b>15.38</b>	<b>16.32</b>
<b>B (60-69)</b> <b>(%)</b>	<b>23</b>	<b>7</b>	<b>23</b>	<b>10</b>	<b>63</b>
	<b>12.57</b>	<b>11.29</b>	<b>12.71</b>	<b>19.23</b>	<b>13.18</b>
<b>C (50-59)</b> <b>(%)</b>	<b>23</b>	<b>13</b>	<b>33</b>	<b>9</b>	<b>78</b>
	<b>12.57</b>	<b>20.97</b>	<b>18.23</b>	<b>17.31</b>	<b>16.32</b>
<b>D (40-49)</b> <b>(%)</b>	<b>35</b>	<b>12</b>	<b>33</b>	<b>7</b>	<b>87</b>
	<b>19.13</b>	<b>19.35</b>	<b>18.23</b>	<b>13.46</b>	<b>18.20</b>
<b>F (&lt;40)</b> <b>(%)</b>	<b>24</b>	<b>7</b>	<b>22</b>	<b>8</b>	<b>61</b>
	<b>13.11</b>	<b>11.29</b>	<b>12.15</b>	<b>15.38</b>	<b>12.76</b>
<b>FA</b> <b>(%)</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>
	<b>0.55</b>	<b>1.61</b>	<b>0.55</b>	<b>0.00</b>	<b>0.00</b>
<b>Total Students</b>	<b>183</b>	<b>62</b>	<b>181</b>	<b>52</b>	<b>478</b>

<b>COMMUNICATION FOR PROFESSIONALS</b>					
<b>HMTS 1011</b>					
<b>Letter Grade</b>	<b>CSE</b>	<b>IT</b>	<b>ECE</b>	<b>AEIE</b>	<b>Total</b>
<b>O (&gt;89)</b> <b>(%)</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>4</b>
	<b>1.09</b>	<b>0.00</b>	<b>0.55</b>	<b>1.92</b>	<b>0.84</b>
<b>E (80-89)</b> <b>(%)</b>	<b>26</b>	<b>9</b>	<b>23</b>	<b>11</b>	<b>69</b>
	<b>14.21</b>	<b>14.52</b>	<b>12.71</b>	<b>21.15</b>	<b>14.56</b>
<b>A (70-79)</b> <b>(%)</b>	<b>48</b>	<b>29</b>	<b>62</b>	<b>19</b>	<b>158</b>
	<b>26.23</b>	<b>46.77</b>	<b>34.25</b>	<b>36.54</b>	<b>33.33</b>
<b>B (60-69)</b> <b>(%)</b>	<b>57</b>	<b>16</b>	<b>50</b>	<b>15</b>	<b>138</b>
	<b>31.15</b>	<b>25.81</b>	<b>27.62</b>	<b>28.85</b>	<b>29.11</b>
<b>C (50-59)</b> <b>(%)</b>	<b>37</b>	<b>7</b>	<b>25</b>	<b>5</b>	<b>74</b>
	<b>20.22</b>	<b>11.29</b>	<b>13.81</b>	<b>9.62</b>	<b>15.61</b>
<b>D (40-49)</b> <b>(%)</b>	<b>10</b>	<b>0</b>	<b>17</b>	<b>1</b>	<b>28</b>
	<b>5.46</b>	<b>0.00</b>	<b>9.39</b>	<b>1.92</b>	<b>5.91</b>
<b>F (&lt;40)</b> <b>(%)</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>3</b>
	<b>0.55</b>	<b>0.00</b>	<b>1.10</b>	<b>0.00</b>	<b>0.63</b>
<b>FA</b> <b>(%)</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>
	<b>1.09</b>	<b>1.61</b>	<b>0.55</b>	<b>0.00</b>	<b>0.00</b>
<b>Total Students</b>	<b>183</b>	<b>62</b>	<b>181</b>	<b>52</b>	<b>478</b>

<b>BASIC ELECTRONICS</b>						
<b>ECEN 1011</b>						
<b>Letter Grade</b>	<b>BT</b>	<b>ChE</b>	<b>ME</b>	<b>CE</b>	<b>EE</b>	<b>Total</b>
<b>O (&gt;89)</b> <b>(%)</b>	<b>1</b>	<b>1</b>	<b>6</b>	<b>0</b>	<b>3</b>	<b>11</b>
	<b>1.61</b>	<b>1.92</b>	<b>5.56</b>	<b>0.00</b>	<b>4.84</b>	<b>2.81</b>
<b>E (80-89)</b> <b>(%)</b>	<b>4</b>	<b>3</b>	<b>12</b>	<b>1</b>	<b>2</b>	<b>22</b>
	<b>6.45</b>	<b>5.77</b>	<b>11.11</b>	<b>0.93</b>	<b>3.23</b>	<b>5.63</b>
<b>A (70-79)</b> <b>(%)</b>	<b>6</b>	<b>7</b>	<b>20</b>	<b>15</b>	<b>10</b>	<b>58</b>
	<b>9.68</b>	<b>13.46</b>	<b>18.52</b>	<b>14.02</b>	<b>16.13</b>	<b>14.83</b>
<b>B (60-69)</b> <b>(%)</b>	<b>10</b>	<b>8</b>	<b>13</b>	<b>10</b>	<b>11</b>	<b>52</b>
	<b>16.13</b>	<b>15.38</b>	<b>12.04</b>	<b>9.35</b>	<b>17.74</b>	<b>13.30</b>
<b>C (50-59)</b> <b>(%)</b>	<b>16</b>	<b>11</b>	<b>16</b>	<b>17</b>	<b>10</b>	<b>70</b>
	<b>25.81</b>	<b>21.15</b>	<b>14.81</b>	<b>15.89</b>	<b>16.13</b>	<b>17.90</b>
<b>D (40-49)</b> <b>(%)</b>	<b>20</b>	<b>13</b>	<b>30</b>	<b>35</b>	<b>14</b>	<b>112</b>
	<b>32.26</b>	<b>25.00</b>	<b>27.78</b>	<b>32.71</b>	<b>22.58</b>	<b>28.64</b>
<b>F (&lt;40)</b> <b>(%)</b>	<b>5</b>	<b>9</b>	<b>10</b>	<b>27</b>	<b>10</b>	<b>61</b>
	<b>8.06</b>	<b>17.31</b>	<b>9.26</b>	<b>25.23</b>	<b>16.13</b>	<b>15.60</b>
<b>FA</b> <b>(%)</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>5</b>
	<b>0.00</b>	<b>0.00</b>	<b>0.93</b>	<b>1.87</b>	<b>3.23</b>	<b>1.28</b>
<b>Total Students</b>	<b>62</b>	<b>52</b>	<b>108</b>	<b>107</b>	<b>62</b>	<b>391</b>

<b>PHYSICS - I</b>						
<b>PHYS 1001</b>						
<b>Letter Grade</b>	<b>BT</b>	<b>ChE</b>	<b>ME</b>	<b>CE</b>	<b>EE</b>	<b>Total</b>
<b>O (&gt;89)</b> <b>(%)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>E (80-89)</b> <b>(%)</b>	<b>0</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>11</b>
	<b>0.00</b>	<b>7.69</b>	<b>2.78</b>	<b>1.87</b>	<b>3.23</b>	<b>2.81</b>
<b>A (70-79)</b> <b>(%)</b>	<b>3</b>	<b>4</b>	<b>15</b>	<b>9</b>	<b>8</b>	<b>39</b>
	<b>4.84</b>	<b>7.69</b>	<b>13.89</b>	<b>8.41</b>	<b>12.90</b>	<b>9.97</b>
<b>B (60-69)</b> <b>(%)</b>	<b>13</b>	<b>6</b>	<b>18</b>	<b>17</b>	<b>8</b>	<b>62</b>
	<b>20.97</b>	<b>11.54</b>	<b>16.67</b>	<b>15.89</b>	<b>12.90</b>	<b>15.86</b>
<b>C (50-59)</b> <b>(%)</b>	<b>14</b>	<b>10</b>	<b>25</b>	<b>20</b>	<b>15</b>	<b>84</b>
	<b>22.58</b>	<b>19.23</b>	<b>23.15</b>	<b>18.69</b>	<b>24.19</b>	<b>21.48</b>
<b>D (40-49)</b> <b>(%)</b>	<b>27</b>	<b>20</b>	<b>33</b>	<b>31</b>	<b>25</b>	<b>136</b>
	<b>43.55</b>	<b>38.46</b>	<b>30.56</b>	<b>28.97</b>	<b>40.32</b>	<b>34.78</b>
<b>F (&lt;40)</b> <b>(%)</b>	<b>4</b>	<b>8</b>	<b>13</b>	<b>24</b>	<b>3</b>	<b>52</b>
	<b>6.45</b>	<b>15.38</b>	<b>12.04</b>	<b>22.43</b>	<b>4.84</b>	<b>13.30</b>
<b>FA</b> <b>(%)</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>1</b>	<b>7</b>
	<b>1.61</b>	<b>0.00</b>	<b>0.93</b>	<b>3.74</b>	<b>1.61</b>	<b>1.79</b>
<b>Total Students</b>	<b>62</b>	<b>52</b>	<b>108</b>	<b>107</b>	<b>62</b>	<b>391</b>

<b>PROGRAMMING FOR PROBLEM SOLVING</b>						
<b>CSEN 1001</b>						
<b>Letter Grade</b>	<b>BT</b>	<b>ChE</b>	<b>ME</b>	<b>CE</b>	<b>EE</b>	<b>Total</b>
<b>O (&gt;89)</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>3</b>
<b>(%)</b>	<b>1.61</b>	<b>1.92</b>	<b>0.00</b>	<b>0.00</b>	<b>1.61</b>	<b>0.77</b>
<b>E (80-89)</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>4</b>	<b>11</b>
<b>(%)</b>	<b>1.61</b>	<b>5.77</b>	<b>1.85</b>	<b>0.93</b>	<b>6.45</b>	<b>2.81</b>
<b>A (70-79)</b>	<b>5</b>	<b>3</b>	<b>5</b>	<b>4</b>	<b>6</b>	<b>23</b>
<b>(%)</b>	<b>8.06</b>	<b>5.77</b>	<b>4.63</b>	<b>3.74</b>	<b>9.68</b>	<b>5.88</b>
<b>B (60-69)</b>	<b>6</b>	<b>14</b>	<b>14</b>	<b>5</b>	<b>9</b>	<b>48</b>
<b>(%)</b>	<b>9.68</b>	<b>26.92</b>	<b>12.96</b>	<b>4.67</b>	<b>14.52</b>	<b>12.28</b>
<b>C (50-59)</b>	<b>16</b>	<b>7</b>	<b>21</b>	<b>26</b>	<b>15</b>	<b>85</b>
<b>(%)</b>	<b>25.81</b>	<b>13.46</b>	<b>19.44</b>	<b>24.30</b>	<b>24.19</b>	<b>21.74</b>
<b>D (40-49)</b>	<b>22</b>	<b>17</b>	<b>46</b>	<b>48</b>	<b>19</b>	<b>152</b>
<b>(%)</b>	<b>35.48</b>	<b>32.69</b>	<b>42.59</b>	<b>44.86</b>	<b>30.65</b>	<b>38.87</b>
<b>F (&lt;40)</b>	<b>11</b>	<b>7</b>	<b>19</b>	<b>20</b>	<b>6</b>	<b>63</b>
<b>(%)</b>	<b>17.74</b>	<b>13.46</b>	<b>17.59</b>	<b>18.69</b>	<b>9.68</b>	<b>16.11</b>
<b>FA</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>6</b>
<b>(%)</b>	<b>0.00</b>	<b>0.00</b>	<b>0.93</b>	<b>2.80</b>	<b>3.23</b>	<b>1.53</b>
<b>Total Students</b>	<b>62</b>	<b>52</b>	<b>108</b>	<b>107</b>	<b>62</b>	<b>391</b>

**RESULT ANALYSIS - ODD SEM, 2019**  
**1<sup>ST</sup> YEAR - B.TECH (LAB)**

<b>CHEMISTRY LAB</b>					
<b>CHEM 1051</b>					
<b>Letter Grade</b>	<b>CSE</b>	<b>IT</b>	<b>ECE</b>	<b>AEIE</b>	<b>Total</b>
<b>O (&gt;89)</b> <b>(%)</b>	<b>99</b>	<b>18</b>	<b>78</b>	<b>26</b>	<b>221</b>
	<b>54.10</b>	<b>29.03</b>	<b>43.09</b>	<b>50.00</b>	<b>46.23</b>
<b>E (80-89)</b> <b>(%)</b>	<b>49</b>	<b>22</b>	<b>67</b>	<b>18</b>	<b>156</b>
	<b>26.78</b>	<b>35.48</b>	<b>37.02</b>	<b>34.62</b>	<b>32.64</b>
<b>A (70-79)</b> <b>(%)</b>	<b>20</b>	<b>13</b>	<b>23</b>	<b>4</b>	<b>60</b>
	<b>10.93</b>	<b>20.97</b>	<b>12.71</b>	<b>7.69</b>	<b>12.55</b>
<b>B (60-69)</b> <b>(%)</b>	<b>10</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>22</b>
	<b>5.46</b>	<b>6.45</b>	<b>2.21</b>	<b>7.69</b>	<b>4.60</b>
<b>C (50-59)</b> <b>(%)</b>	<b>4</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>9</b>
	<b>2.19</b>	<b>3.23</b>	<b>1.66</b>	<b>0.00</b>	<b>1.88</b>
<b>D (40-49)</b> <b>(%)</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>4</b>
	<b>0.00</b>	<b>1.61</b>	<b>1.66</b>	<b>0.00</b>	<b>0.84</b>
<b>F (&lt;40)</b> <b>(%)</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>4</b>
	<b>0.55</b>	<b>1.61</b>	<b>1.10</b>	<b>0.00</b>	<b>0.84</b>
<b>FA</b> <b>(%)</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>2</b>
	<b>0.00</b>	<b>1.61</b>	<b>0.55</b>	<b>0.00</b>	<b>0.42</b>
<b>Total Students</b>	<b>183</b>	<b>62</b>	<b>181</b>	<b>52</b>	<b>478</b>

<b>BASIC ELECTRICAL ENGINEERING LAB</b>					
<b>ELEC 1051</b>					
<b>Letter Grade</b>	<b>CSE</b>	<b>IT</b>	<b>ECE</b>	<b>AEIE</b>	<b>Total</b>
<b>O (&gt;89)</b> <b>(%)</b>	<b>34</b>	<b>6</b>	<b>27</b>	<b>2</b>	<b>69</b>
	<b>18.58</b>	<b>9.68</b>	<b>14.92</b>	<b>3.85</b>	<b>14.44</b>
<b>E (80-89)</b> <b>(%)</b>	<b>78</b>	<b>18</b>	<b>71</b>	<b>14</b>	<b>181</b>
	<b>42.62</b>	<b>29.03</b>	<b>39.23</b>	<b>26.92</b>	<b>37.87</b>
<b>A (70-79)</b> <b>(%)</b>	<b>46</b>	<b>17</b>	<b>52</b>	<b>20</b>	<b>135</b>
	<b>25.14</b>	<b>27.42</b>	<b>28.73</b>	<b>38.46</b>	<b>28.24</b>
<b>B (60-69)</b> <b>(%)</b>	<b>18</b>	<b>18</b>	<b>24</b>	<b>9</b>	<b>69</b>
	<b>9.84</b>	<b>29.03</b>	<b>13.26</b>	<b>17.31</b>	<b>14.44</b>
<b>C (50-59)</b> <b>(%)</b>	<b>4</b>	<b>0</b>	<b>5</b>	<b>4</b>	<b>13</b>
	<b>2.19</b>	<b>0.00</b>	<b>2.76</b>	<b>7.69</b>	<b>2.72</b>
<b>D (40-49)</b> <b>(%)</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>4</b>
	<b>0.00</b>	<b>1.61</b>	<b>0.00</b>	<b>5.77</b>	<b>0.84</b>
<b>F (&lt;40)</b> <b>(%)</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>3</b>
	<b>1.09</b>	<b>1.61</b>	<b>0.00</b>	<b>0.00</b>	<b>0.63</b>
<b>FA</b> <b>(%)</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>4</b>
	<b>0.55</b>	<b>1.61</b>	<b>1.10</b>	<b>0.00</b>	<b>0.84</b>
<b>Total Students</b>	<b>183</b>	<b>62</b>	<b>181</b>	<b>52</b>	<b>478</b>

<b>ENGINEERING GRAPHICS &amp; DESIGN</b>					
<b>MECH 1052</b>					
<b>Letter Grade</b>	<b>CSE</b>	<b>IT</b>	<b>ECE</b>	<b>AEIE</b>	<b>Total</b>
<b>O (&gt;89)</b> <b>(%)</b>	<b>6</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>7</b>
	<b>3.28</b>	<b>0.00</b>	<b>0.55</b>	<b>0.00</b>	<b>1.46</b>
<b>E (80-89)</b> <b>(%)</b>	<b>37</b>	<b>8</b>	<b>26</b>	<b>6</b>	<b>77</b>
	<b>20.22</b>	<b>12.90</b>	<b>14.36</b>	<b>11.54</b>	<b>16.11</b>
<b>A (70-79)</b> <b>(%)</b>	<b>44</b>	<b>19</b>	<b>54</b>	<b>14</b>	<b>131</b>
	<b>24.04</b>	<b>30.65</b>	<b>29.83</b>	<b>26.92</b>	<b>27.41</b>
<b>B (60-69)</b> <b>(%)</b>	<b>40</b>	<b>20</b>	<b>45</b>	<b>16</b>	<b>121</b>
	<b>21.86</b>	<b>32.26</b>	<b>24.86</b>	<b>30.77</b>	<b>25.31</b>
<b>C (50-59)</b> <b>(%)</b>	<b>37</b>	<b>9</b>	<b>29</b>	<b>9</b>	<b>84</b>
	<b>20.22</b>	<b>14.52</b>	<b>16.02</b>	<b>17.31</b>	<b>17.57</b>
<b>D (40-49)</b> <b>(%)</b>	<b>15</b>	<b>5</b>	<b>21</b>	<b>6</b>	<b>47</b>
	<b>8.20</b>	<b>8.06</b>	<b>11.60</b>	<b>11.54</b>	<b>9.83</b>
<b>F (&lt;40)</b> <b>(%)</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>7</b>
	<b>1.64</b>	<b>0.00</b>	<b>1.66</b>	<b>1.92</b>	<b>1.46</b>
<b>FA</b> <b>(%)</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>5</b>
	<b>0.55</b>	<b>1.61</b>	<b>1.10</b>	<b>1.92</b>	<b>1.05</b>
<b>Total Students</b>	<b>183</b>	<b>62</b>	<b>181</b>	<b>52</b>	<b>478</b>

<b>PROFESSIONAL COMMUNICATION LAB</b>					
<b>HMTS 1061</b>					
<b>Letter Grade</b>	<b>CSE</b>	<b>IT</b>	<b>ECE</b>	<b>AEIE</b>	<b>Total</b>
<b>O (&gt;89)</b> <b>(%)</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>
	<b>0.00</b>	<b>0.00</b>	<b>1.10</b>	<b>0.00</b>	<b>0.42</b>
<b>E (80-89)</b> <b>(%)</b>	<b>30</b>	<b>1</b>	<b>19</b>	<b>4</b>	<b>54</b>
	<b>16.39</b>	<b>1.61</b>	<b>10.50</b>	<b>7.69</b>	<b>11.30</b>
<b>A (70-79)</b> <b>(%)</b>	<b>55</b>	<b>24</b>	<b>63</b>	<b>24</b>	<b>166</b>
	<b>30.05</b>	<b>38.71</b>	<b>34.81</b>	<b>46.15</b>	<b>34.73</b>
<b>B (60-69)</b> <b>(%)</b>	<b>65</b>	<b>26</b>	<b>61</b>	<b>22</b>	<b>174</b>
	<b>35.52</b>	<b>41.94</b>	<b>33.70</b>	<b>42.31</b>	<b>36.40</b>
<b>C (50-59)</b> <b>(%)</b>	<b>19</b>	<b>7</b>	<b>20</b>	<b>2</b>	<b>48</b>
	<b>10.38</b>	<b>11.29</b>	<b>11.05</b>	<b>3.85</b>	<b>10.04</b>
<b>D (40-49)</b> <b>(%)</b>	<b>10</b>	<b>2</b>	<b>7</b>	<b>0</b>	<b>19</b>
	<b>5.46</b>	<b>3.23</b>	<b>3.87</b>	<b>0.00</b>	<b>3.97</b>
<b>F (&lt;40)</b> <b>(%)</b>	<b>4</b>	<b>2</b>	<b>6</b>	<b>0</b>	<b>12</b>
	<b>2.19</b>	<b>3.23</b>	<b>3.31</b>	<b>0.00</b>	<b>2.51</b>
<b>FA</b> <b>(%)</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>3</b>
	<b>0.00</b>	<b>0.00</b>	<b>1.66</b>	<b>0.00</b>	<b>0.63</b>
<b>Total Students</b>	<b>183</b>	<b>62</b>	<b>181</b>	<b>52</b>	<b>478</b>

<b>PHYSICS LAB</b>						
<b>PHYS 1051</b>						
<b>Letter Grade</b>	<b>BT</b>	<b>ChE</b>	<b>ME</b>	<b>CE</b>	<b>EE</b>	<b>Total</b>
<b>O (&gt;89)</b> <b>(%)</b>	<b>18</b>	<b>13</b>	<b>22</b>	<b>17</b>	<b>7</b>	<b>77</b>
	<b>29.03</b>	<b>25.00</b>	<b>20.37</b>	<b>15.89</b>	<b>11.29</b>	<b>19.69</b>
<b>E (80-89)</b> <b>(%)</b>	<b>23</b>	<b>21</b>	<b>40</b>	<b>27</b>	<b>23</b>	<b>134</b>
	<b>37.10</b>	<b>40.38</b>	<b>37.04</b>	<b>25.23</b>	<b>37.10</b>	<b>34.27</b>
<b>A (70-79)</b> <b>(%)</b>	<b>15</b>	<b>9</b>	<b>25</b>	<b>28</b>	<b>18</b>	<b>95</b>
	<b>24.19</b>	<b>17.31</b>	<b>23.15</b>	<b>26.17</b>	<b>29.03</b>	<b>24.30</b>
<b>B (60-69)</b> <b>(%)</b>	<b>4</b>	<b>4</b>	<b>14</b>	<b>17</b>	<b>9</b>	<b>48</b>
	<b>6.45</b>	<b>7.69</b>	<b>12.96</b>	<b>15.89</b>	<b>14.52</b>	<b>12.28</b>
<b>C (50-59)</b> <b>(%)</b>	<b>0</b>	<b>3</b>	<b>4</b>	<b>8</b>	<b>1</b>	<b>16</b>
	<b>0.00</b>	<b>5.77</b>	<b>3.70</b>	<b>7.48</b>	<b>1.61</b>	<b>4.09</b>
<b>D (40-49)</b> <b>(%)</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>5</b>	<b>4</b>	<b>15</b>
	<b>3.23</b>	<b>3.85</b>	<b>1.85</b>	<b>4.67</b>	<b>6.45</b>	<b>3.84</b>
<b>F (&lt;40)</b> <b>(%)</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>5</b>	<b>0</b>	<b>6</b>
	<b>0.00</b>	<b>0.00</b>	<b>0.93</b>	<b>4.67</b>	<b>0.00</b>	<b>1.53</b>
<b>FA</b> <b>(%)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Total Students</b>	<b>62</b>	<b>52</b>	<b>108</b>	<b>107</b>	<b>62</b>	<b>391</b>

<b>PROGRAMMING FOR PROBLEM SOLVING LAB</b>						
<b>CSEN 1051</b>						
<b>Letter Grade</b>	<b>BT</b>	<b>ChE</b>	<b>ME</b>	<b>CE</b>	<b>EE</b>	<b>Total</b>
<b>O (&gt;89)</b> <b>(%)</b>	<b>7</b>	<b>10</b>	<b>23</b>	<b>13</b>	<b>12</b>	<b>65</b>
	<b>11.29</b>	<b>19.23</b>	<b>21.30</b>	<b>12.15</b>	<b>19.35</b>	<b>16.62</b>
<b>E (80-89)</b> <b>(%)</b>	<b>8</b>	<b>9</b>	<b>38</b>	<b>12</b>	<b>14</b>	<b>81</b>
	<b>12.90</b>	<b>17.31</b>	<b>35.19</b>	<b>11.21</b>	<b>22.58</b>	<b>20.72</b>
<b>A (70-79)</b> <b>(%)</b>	<b>11</b>	<b>5</b>	<b>22</b>	<b>21</b>	<b>18</b>	<b>77</b>
	<b>17.74</b>	<b>9.62</b>	<b>20.37</b>	<b>19.63</b>	<b>29.03</b>	<b>19.69</b>
<b>B (60-69)</b> <b>(%)</b>	<b>12</b>	<b>15</b>	<b>22</b>	<b>17</b>	<b>11</b>	<b>77</b>
	<b>19.35</b>	<b>28.85</b>	<b>20.37</b>	<b>15.89</b>	<b>17.74</b>	<b>19.69</b>
<b>C (50-59)</b> <b>(%)</b>	<b>15</b>	<b>3</b>	<b>1</b>	<b>22</b>	<b>4</b>	<b>45</b>
	<b>24.19</b>	<b>5.77</b>	<b>0.93</b>	<b>20.56</b>	<b>6.45</b>	<b>11.51</b>
<b>D (40-49)</b> <b>(%)</b>	<b>9</b>	<b>10</b>	<b>1</b>	<b>11</b>	<b>2</b>	<b>33</b>
	<b>14.52</b>	<b>19.23</b>	<b>0.93</b>	<b>10.28</b>	<b>3.23</b>	<b>8.44</b>
<b>F (&lt;40)</b> <b>(%)</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>7</b>	<b>1</b>	<b>9</b>
	<b>0.00</b>	<b>0.00</b>	<b>0.93</b>	<b>6.54</b>	<b>1.61</b>	<b>2.30</b>
<b>FA</b> <b>(%)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>4</b>
	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>3.74</b>	<b>0.00</b>	<b>1.02</b>
<b>Total Students</b>	<b>62</b>	<b>52</b>	<b>108</b>	<b>107</b>	<b>62</b>	<b>391</b>



<b>WORKSHOP / MANUFACTURING PRACTICES</b>						
<b>MECH 1051</b>						
<b>Letter Grade</b>	<b>BT</b>	<b>ChE</b>	<b>ME</b>	<b>CE</b>	<b>EE</b>	<b>Total</b>
<b>O (&gt;89)</b>	<b>3</b>	<b>1</b>	<b>9</b>	<b>1</b>	<b>2</b>	<b>16</b>
<b>(%)</b>	<b>4.84</b>	<b>1.92</b>	<b>8.33</b>	<b>0.93</b>	<b>3.23</b>	<b>4.09</b>
<b>E (80-89)</b>	<b>22</b>	<b>11</b>	<b>30</b>	<b>11</b>	<b>13</b>	<b>87</b>
<b>(%)</b>	<b>35.48</b>	<b>21.15</b>	<b>27.78</b>	<b>10.28</b>	<b>20.97</b>	<b>22.25</b>
<b>A (70-79)</b>	<b>17</b>	<b>22</b>	<b>30</b>	<b>41</b>	<b>32</b>	<b>142</b>
<b>(%)</b>	<b>27.42</b>	<b>42.31</b>	<b>27.78</b>	<b>38.32</b>	<b>51.61</b>	<b>36.32</b>
<b>B (60-69)</b>	<b>10</b>	<b>12</b>	<b>18</b>	<b>30</b>	<b>13</b>	<b>83</b>
<b>(%)</b>	<b>16.13</b>	<b>23.08</b>	<b>16.67</b>	<b>28.04</b>	<b>20.97</b>	<b>21.23</b>
<b>C (50-59)</b>	<b>6</b>	<b>6</b>	<b>14</b>	<b>13</b>	<b>2</b>	<b>41</b>
<b>(%)</b>	<b>9.68</b>	<b>11.54</b>	<b>12.96</b>	<b>12.15</b>	<b>3.23</b>	<b>10.49</b>
<b>D (40-49)</b>	<b>2</b>	<b>0</b>	<b>4</b>	<b>8</b>	<b>0</b>	<b>14</b>
<b>(%)</b>	<b>3.23</b>	<b>0.00</b>	<b>3.70</b>	<b>7.48</b>	<b>0.00</b>	<b>3.58</b>
<b>F (&lt;40)</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>8</b>
<b>(%)</b>	<b>3.23</b>	<b>0.00</b>	<b>2.78</b>	<b>2.80</b>	<b>0.00</b>	<b>2.05</b>
<b>FA</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>(%)</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Total Students</b>	<b>62</b>	<b>52</b>	<b>108</b>	<b>107</b>	<b>62</b>	<b>391</b>

<b>BASIC ELECTRONICS LAB</b>						
<b>ECEN 1061</b>						
<b>Letter Grade</b>	<b>BT</b>	<b>ChE</b>	<b>ME</b>	<b>CE</b>	<b>EE</b>	<b>Total</b>
<b>O (&gt;89)</b>	<b>10</b>	<b>18</b>	<b>26</b>	<b>19</b>	<b>4</b>	<b>77</b>
<b>(%)</b>	<b>16.13</b>	<b>34.62</b>	<b>24.07</b>	<b>17.76</b>	<b>6.45</b>	<b>19.69</b>
<b>E (80-89)</b>	<b>19</b>	<b>21</b>	<b>38</b>	<b>41</b>	<b>13</b>	<b>132</b>
<b>(%)</b>	<b>30.65</b>	<b>40.38</b>	<b>35.19</b>	<b>38.32</b>	<b>20.97</b>	<b>33.76</b>
<b>A (70-79)</b>	<b>23</b>	<b>9</b>	<b>31</b>	<b>35</b>	<b>36</b>	<b>134</b>
<b>(%)</b>	<b>37.10</b>	<b>17.31</b>	<b>28.70</b>	<b>32.71</b>	<b>58.06</b>	<b>34.27</b>
<b>B (60-69)</b>	<b>8</b>	<b>3</b>	<b>10</b>	<b>10</b>	<b>8</b>	<b>39</b>
<b>(%)</b>	<b>12.90</b>	<b>5.77</b>	<b>9.26</b>	<b>9.35</b>	<b>12.90</b>	<b>9.97</b>
<b>C (50-59)</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>4</b>
<b>(%)</b>	<b>3.23</b>	<b>0.00</b>	<b>0.93</b>	<b>0.00</b>	<b>1.61</b>	<b>1.02</b>
<b>D (40-49)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>(%)</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>F (&lt;40)</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>(%)</b>	<b>0.00</b>	<b>1.92</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.26</b>
<b>FA</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>4</b>
<b>(%)</b>	<b>0.00</b>	<b>0.00</b>	<b>1.85</b>	<b>1.87</b>	<b>0.00</b>	<b>1.02</b>
<b>Total Students</b>	<b>62</b>	<b>52</b>	<b>108</b>	<b>107</b>	<b>62</b>	<b>391</b>

**RESULT ANALYSIS (B.TECH / THEORY & LAB PAPERS)**  
**2<sup>nd</sup> YEAR, ODD SEM-2019**

**Computer Science & Engineering**  
**No. of students = 218**

**THEORY PAPERS**

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
CSEN 2101 (%)	3	28	48	33	49	30	23	4
	1.38	12.84	22.02	15.14	22.48	13.76	10.55	1.83
CSEN 2102 (%)	28	35	38	39	31	23	22	2
	12.84	16.06	17.43	17.89	14.22	10.55	10.09	0.92
ECEN 2101 (%)	11	21	20	29	40	62	31	4
	5.05	9.63	9.17	13.30	18.35	28.44	14.22	1.83
ECEN 2104 (%)	12	36	49	38	43	16	18	6
	5.50	16.51	22.48	17.43	19.72	7.34	8.26	2.75
MATH 2111 (%)	24	26	25	28	31	39	37	8
	11.01	11.93	11.47	12.84	14.22	17.89	16.97	3.67
HMTS 2001 (%)	2	15	46	67	53	25	8	2
	0.92	6.88	21.10	30.73	24.31	11.47	3.67	0.92

**LAB PAPERS**

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
CSEN 2151 (%)	51	40	37	37	25	20	5	3
	23.39	18.35	16.97	16.97	11.47	9.17	2.29	1.38
CSEN 2152 (%)	50	48	37	30	28	15	10	0
	22.94	22.02	16.97	13.76	12.84	6.88	4.59	0.00
ECEN 2154 (%)	69	98	43	3	3	0	0	2
	31.65	44.95	19.72	1.38	1.38	0.00	0.00	0.92

## Information Technology

No. of students = 64

### THEORY PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
INFO 2101 (%)	7	8	10	17	8	9	4	1
	10.94	12.50	15.63	26.56	12.50	14.06	6.25	1.56
INFO 2111 (%)	4	7	13	9	7	13	9	2
	6.25	10.94	20.31	14.06	10.94	20.31	14.06	3.13
CSEN 2102 (%)	5	7	11	7	11	13	10	0
	7.81	10.94	17.19	10.94	17.19	20.31	15.63	0.00
ECEN 2101 (%)	6	6	10	13	15	10	3	1
	9.38	9.38	15.63	20.31	23.44	15.63	4.69	1.56
ECEN 2002 (%)	4	5	14	10	12	8	10	1
	6.25	7.81	21.88	15.63	18.75	12.50	15.63	1.56
EVSC 2016 (%)	1	2	10	15	23	10	2	1
	1.56	3.13	15.63	23.44	35.94	15.63	3.13	1.56
HMETS 2001 (%)	0	1	7	21	22	11	2	0
	0.00	1.56	10.94	32.81	34.38	17.19	3.13	0.00

### LAB PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
INFO 2151 (%)	11	17	20	11	2	2	1	0
	17.19	26.56	31.25	17.19	3.13	3.13	1.56	0.00
ECEN 2151 (%)	5	23	28	8	0	0	0	0
	7.81	35.94	43.75	12.50	0.00	0.00	0.00	0.00
ECEN 2052 (%)	20	34	9	0	0	0	0	1
	31.25	53.13	14.06	0.00	0.00	0.00	0.00	1.56

## Electronics & Communication Engineering

No. of students = 193

### THEORY PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
ECEN 2101 (%)	5	11	23	24	34	67	22	7
	2.59	5.70	11.92	12.44	17.62	34.72	11.40	3.63
ECEN 2102 (%)	16	23	36	26	25	41	24	2
	8.29	11.92	18.65	13.47	12.95	21.24	12.44	1.04
ECEN 2103 (%)	7	28	30	33	22	39	26	8
	3.63	14.51	15.54	17.10	11.40	20.21	13.47	4.15
MATH 2001 (%)	20	20	33	26	28	40	22	4
	10.36	10.36	17.10	13.47	14.51	20.73	11.40	2.07
CSEN 2004 (%)	9	19	25	27	35	41	26	11
	4.66	9.84	12.95	13.99	18.13	21.24	13.47	5.70
HMTS 2001 (%)	4	29	41	48	45	20	6	0
	2.07	15.03	21.24	24.87	23.32	10.36	3.11	0.00

### LAB PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
ECEN 2151 (%)	15	85	49	29	8	1	1	5
	7.77	44.04	25.39	15.03	4.15	0.52	0.52	2.59
ECEN 2152 (%)	99	35	35	15	6	0	0	3
	51.30	18.13	18.13	7.77	3.11	0.00	0.00	1.55
ECEN 2153 (%)	36	32	51	39	30	3	1	1
	18.65	16.58	26.42	20.21	15.54	1.55	0.52	0.52
CSEN 2054 (%)	45	40	56	30	3	8	3	8
	23.32	20.73	29.02	15.54	1.55	4.15	1.55	4.15

**Biotechnology**  
**No. of students = 58**

**THEORY PAPERS**

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
BIOT 2101 (%)	1	5	17	11	12	8	3	1
	1.72	8.62	29.31	18.97	20.69	13.79	5.17	1.72
BIOT 2102 (%)	5	19	14	4	5	9	2	0
	8.62	32.76	24.14	6.90	8.62	15.52	3.45	0.00
BIOT 2103 (%)	0	12	21	14	3	4	3	1
	0.00	20.69	36.21	24.14	5.17	6.90	5.17	1.72
BIOT 2104 (%)	13	17	18	5	4	0	0	1
	22.41	29.31	31.03	8.62	6.90	0.00	0.00	1.72
EVSC 2016 (%)	0	6	7	16	16	10	3	0
	0.00	10.34	12.07	27.59	27.59	17.24	5.17	0.00
MATH 2101 (%)	4	8	15	7	4	12	8	0
	6.90	13.79	25.86	12.07	6.90	20.69	13.79	0.00
HMETS 2001 (%)	1	11	24	14	7	0	1	0
	1.72	18.97	41.38	24.14	12.07	0.00	1.72	0.00

**LAB PAPERS**

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
BIOT 2151 (%)	35	18	4	1	0	0	0	0
	60.34	31.03	6.90	1.72	0.00	0.00	0.00	0.00
BIOT 2153 (%)	8	45	3	2	0	0	0	0
	13.79	77.59	5.17	3.45	0.00	0.00	0.00	0.00
BIOT 2154 (%)	25	27	6	0	0	0	0	0
	43.10	46.55	10.34	0.00	0.00	0.00	0.00	0.00

## Applied Electronics & Instrumentation Engineering

No. of students = 60

### THEORY PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
AEIE 2101 (%)	6	2	8	11	14	12	7	0
	10.00	3.33	13.33	18.33	23.33	20.00	11.67	0.00
AEIE 2102 (%)	3	7	10	11	14	8	6	1
	5.00	11.67	16.67	18.33	23.33	13.33	10.00	1.67
AEIE 2103 (%)	13	6	10	7	11	5	8	0
	21.67	10.00	16.67	11.67	18.33	8.33	13.33	0.00
AEIE 2111 (%)	2	7	12	13	14	5	7	0
	3.33	11.67	20.00	21.67	23.33	8.33	11.67	0.00
MATH 2001 (%)	3	7	4	7	12	13	13	1
	5.00	11.67	6.67	11.67	20.00	21.67	21.67	1.67
HMTS 2001 (%)	2	8	15	11	15	5	4	0
	3.33	13.33	25.00	18.33	25.00	8.33	6.67	0.00

### LAB PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
AEIE 2151 (%)	12	25	23	0	0	0	0	0
	20.00	41.67	38.33	0.00	0.00	0.00	0.00	0.00
AEIE 2152 (%)	12	29	15	1	0	2	1	0
	20.00	48.33	25.00	1.67	0.00	3.33	1.67	0.00
AEIE 2153 (%)	23	20	14	1	0	1	1	0
	38.33	33.33	23.33	1.67	0.00	1.67	1.67	0.00

**Chemical Engineering**

No. of students = 64

**THEORY PAPERS**

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
CHEN 2101 (%)	8	12	15	8	12	6	3	0
	12.50	18.75	23.44	12.50	18.75	9.38	4.69	0.00
CHEN 2102 (%)	1	8	8	6	18	14	9	0
	1.56	12.50	12.50	9.38	28.13	21.88	14.06	0.00
CHEN 2103 (%)	0	4	8	9	11	20	11	1
	0.00	6.25	12.50	14.06	17.19	31.25	17.19	1.56
CHEN 2104 (%)	0	4	5	5	11	30	9	0
	0.00	6.25	7.81	7.81	17.19	46.88	14.06	0.00
PHYS 2111 (%)	6	11	9	8	11	12	7	0
	9.38	17.19	14.06	12.50	17.19	18.75	10.94	0.00
BIOT 2105 (%)	12	27	8	12	3	1	1	0
	18.75	42.19	12.50	18.75	4.69	1.56	1.56	0.00
MECH 2106 (%)	5	9	17	14	9	7	2	1
	7.81	14.06	26.56	21.88	14.06	10.94	3.13	1.56

**LAB PAPERS**

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
CHEN 2151 (%)	25	30	5	3	0	0	1	0
	39.06	46.88	7.81	4.69	0.00	0.00	1.56	0.00
CHEN 2152 (%)	13	37	10	2	1	0	0	1
	20.31	57.81	15.63	3.13	1.56	0.00	0.00	1.56
CHEN 2153 (%)	12	38	11	2	0	0	0	1
	18.75	59.38	17.19	3.13	0.00	0.00	0.00	1.56

## Mechanical Engineering

No. of students = 122

### THEORY PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
MECH 2101 (%)	19	26	23	22	14	9	8	1
	15.57	21.31	18.85	18.03	11.48	7.38	6.56	0.82
MECH 2102 (%)	13	15	20	17	20	18	14	5
	10.66	12.30	16.39	13.93	16.39	14.75	11.48	4.10
PHYS 2101 (%)	9	6	19	19	14	29	25	1
	7.38	4.92	15.57	15.57	11.48	23.77	20.49	0.82
MATH 2001 (%)	4	9	7	20	28	27	26	1
	3.28	7.38	5.74	16.39	22.95	22.13	21.31	0.82
EVSC 2016 (%)	0	4	12	24	52	24	6	0
	0.00	3.28	9.84	19.67	42.62	19.67	4.92	0.00
BIOT 2105 (%)	11	25	34	24	17	10	1	0
	9.02	20.49	27.87	19.67	13.93	8.20	0.82	0.00
HMETS 2001 (%)	0	4	25	31	38	18	6	0
	0.00	3.28	20.49	25.41	31.15	14.75	4.92	0.00

### LAB PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
MECH 2156 (%)	2	27	33	24	16	12	5	3
	1.64	22.13	27.05	19.67	13.11	9.84	4.10	2.46
MECH 2157 (%)	1	35	37	26	15	4	0	4
	0.82	28.69	30.33	21.31	12.30	3.28	0.00	3.28



**Civil Engineering**  
**No. of students = 128**

**THEORY PAPERS**

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
CIVL 2101 (%)	19	18	23	13	22	25	8	0
	14.84	14.06	17.97	10.16	17.19	19.53	6.25	0.00
CIVL 2102 (%)	1	4	6	14	23	66	14	0
	0.78	3.13	4.69	10.94	17.97	51.56	10.94	0.00
CIVL 2103 (%)	23	41	21	19	13	10	1	0
	17.97	32.03	16.41	14.84	10.16	7.81	0.78	0.00
CIVL 2113 (%)	1	14	26	27	32	22	5	1
	0.78	10.94	20.31	21.09	25.00	17.19	3.91	0.78
EVSC 2016 (%)	0	3	8	26	45	37	8	1
	0.00	2.34	6.25	20.31	35.16	28.91	6.25	0.78
BIOT 2105 (%)	6	29	54	28	10	1	0	0
	4.69	22.66	42.19	21.88	7.81	0.78	0.00	0.00

**LAB PAPERS**

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
CIVL 2151 (%)	31	28	28	22	14	4	0	1
	24.22	21.88	21.88	17.19	10.94	3.13	0.00	0.78
CIVL 2152 (%)	13	26	26	34	21	4	3	1
	10.16	20.31	20.31	26.56	16.41	3.13	2.34	0.78
CIVL 2153 (%)	16	33	26	30	8	9	6	0
	12.50	25.78	20.31	23.44	6.25	7.03	4.69	0.00
CIVL 2154 (%)	37	42	34	14	1	0	0	0
	28.91	32.81	26.56	10.94	0.78	0.00	0.00	0.00
CIVL 2163 (%)	33	29	43	13	3	6	1	0
	25.78	22.66	33.59	10.16	2.34	4.69	0.78	0.00

## Electrical Engineering

No. of students = 65

### THEORY PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
ELEC 2101 (%)	5	11	10	7	11	15	6	0
	7.69	16.92	15.38	10.77	16.92	23.08	9.23	0.00
ELEC 2102 (%)	9	9	12	10	12	7	6	0
	13.85	13.85	18.46	15.38	18.46	10.77	9.23	0.00
ELEC 2103 (%)	1	2	7	17	14	17	6	1
	1.54	3.08	10.77	26.15	21.54	26.15	9.23	1.54
MECH 2106 (%)	10	15	14	11	8	2	4	1
	15.38	23.08	21.54	16.92	12.31	3.08	6.15	1.54
BIOT 2105 (%)	3	12	18	16	10	4	2	0
	4.62	18.46	27.69	24.62	15.38	6.15	3.08	0.00
HMETS 2001 (%)	0	7	17	13	14	9	4	1
	0.00	10.77	26.15	20.00	21.54	13.85	6.15	1.54

### LAB PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
ELEC 2151 (%)	12	23	11	9	7	2	0	1
	18.46	35.38	16.92	13.85	10.77	3.08	0.00	1.54
ELEC 2152 (%)	18	25	11	4	1	2	2	2
	27.69	38.46	16.92	6.15	1.54	3.08	3.08	3.08
ELEC 2153 (%)	7	21	20	6	7	2	1	1
	10.77	32.31	30.77	9.23	10.77	3.08	1.54	1.54

**RESULT ANALYSIS (B.TECH / THEORY & LAB PAPERS)**  
**3<sup>rd</sup> YEAR, ODD SEM-2019**

Computer Science & Engineering  
 No. of students = 224

**THEORY PAPERS**

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
HMTS 3101	4	14	33	54	53	39	25	2
(%)	1.79	6.25	14.73	24.11	23.66	17.41	11.16	0.89
CSEN 3101	3	14	23	36	49	70	27	2
(%)	1.34	6.25	10.27	16.07	21.88	31.25	12.05	0.89
CSEN 3102	2	36	43	53	34	36	20	0
(%)	0.89	16.07	19.20	23.66	15.18	16.07	8.93	0.00
CSEN 3103	11	37	53	56	34	19	11	3
(%)	4.91	16.52	23.66	25.00	15.18	8.48	4.91	1.34
CSEN 3104	13	32	47	42	36	31	16	7
(%)	5.80	14.29	20.98	18.75	16.07	13.84	7.14	3.13
AEIE 3105	11	42	36	46	42	24	17	6
(%)	4.91	18.75	16.07	20.54	18.75	10.71	7.59	2.68

**LAB PAPERS**

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
CSEN 3112	36	43	51	42	40	11	0	1
(%)	16.07	19.20	22.77	18.75	17.86	4.91	0.00	0.45
CSEN 3113	84	57	36	25	10	5	5	2
(%)	37.50	25.45	16.07	11.16	4.46	2.23	2.23	0.89
CSEN 3114	61	52	40	28	27	7	3	6
(%)	27.23	23.21	17.86	12.50	12.05	3.13	1.34	2.68
AEIE 3115	94	59	35	21	12	0	0	3
(%)	41.96	26.34	15.63	9.38	5.36	0.00	0.00	1.34

## Information Technology

No. of students = 62

### THEORY PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
HMTS 3101 (%)	0	1	6	16	18	15	5	1
	0.00	1.61	9.68	25.81	29.03	24.19	8.06	1.61
INFO 3101 (%)	0	5	13	14	13	14	3	0
	0.00	8.06	20.97	22.58	20.97	22.58	4.84	0.00
INFO 3102 (%)	0	0	3	20	24	12	2	1
	0.00	0.00	4.84	32.26	38.71	19.35	3.23	1.61
INFO 3103 (%)	0	2	15	20	13	9	3	0
	0.00	3.23	24.19	32.26	20.97	14.52	4.84	0.00
INFO 3104 (%)	7	13	15	9	8	7	3	0
	11.29	20.97	24.19	14.52	12.90	11.29	4.84	0.00
INFO 3132 / 3133 (%)	2	17	12	14	7	8	2	0
	3.23	27.42	19.35	22.58	11.29	12.90	3.23	0.00

### LAB PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
INFO 3111 (%)	17	16	13	12	3	1	0	0
	27.42	25.81	20.97	19.35	4.84	1.61	0.00	0.00
INFO 3112 (%)	12	23	8	6	7	5	0	1
	19.35	37.10	12.90	9.68	11.29	8.06	0.00	1.61
INFO 3113 (%)	3	13	18	16	9	2	0	1
	4.84	20.97	29.03	25.81	14.52	3.23	0.00	1.61
INFO 3114 (%)	18	15	12	8	7	2	0	0
	29.03	24.19	19.35	12.90	11.29	3.23	0.00	0.00

## Electronics & Communication Engineering

No. of students = 212

### THEORY PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
HMTS 3101 (%)	1	9	42	39	54	55	11	1
	0.47	4.25	19.81	18.40	25.47	25.94	5.19	0.47
ECEN 3102 (%)	50	48	27	27	25	21	12	2
	23.58	22.64	12.74	12.74	11.79	9.91	5.66	0.94
ECEN 3103 (%)	2	12	35	49	51	37	26	0
	0.94	5.66	16.51	23.11	24.06	17.45	12.26	0.00
ECEN 3104 (%)	21	45	39	51	37	16	3	0
	9.91	21.23	18.40	24.06	17.45	7.55	1.42	0.00
ECEN 3105 (%)	16	32	30	36	40	46	12	0
	7.55	15.09	14.15	16.98	18.87	21.70	5.66	0.00

### LAB PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
ECEN 3112 (%)	78	67	40	17	8	2	0	0
	36.79	31.60	18.87	8.02	3.77	0.94	0.00	0.00
ECEN 3113 (%)	42	48	47	44	29	1	0	1
	19.81	22.64	22.17	20.75	13.68	0.47	0.00	0.47
ECEN 3114 (%)	80	63	40	27	2	0	0	0
	37.74	29.72	18.87	12.74	0.94	0.00	0.00	0.00
ECEN 3115 (%)	77	71	52	12	0	0	0	0
	36.32	33.49	24.53	5.66	0.00	0.00	0.00	0.00

**Biotechnology**  
**No. of students = 53**

**THEORY PAPERS**

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
HMTS 3101 (%)	1	6	14	6	14	9	2	1
	1.89	11.32	26.42	11.32	26.42	16.98	3.77	1.89
BIOT 3101 (%)	11	16	12	4	8	1	0	1
	20.75	30.19	22.64	7.55	15.09	1.89	0.00	1.89
BIOT 3102 (%)	1	7	15	10	12	6	1	1
	1.89	13.21	28.30	18.87	22.64	11.32	1.89	1.89
BIOT 3103 (%)	3	12	7	12	13	3	2	1
	5.66	22.64	13.21	22.64	24.53	5.66	3.77	1.89
BIOT 3104 (%)	3	15	8	7	4	10	5	1
	5.66	28.30	15.09	13.21	7.55	18.87	9.43	1.89
CSEN 3106 (%)	2	12	8	13	10	6	0	2
	3.77	22.64	15.09	24.53	18.87	11.32	0.00	3.77

**LAB PAPERS**

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
BIOT 3111 (%)	26	19	4	3	0	1	0	0
	49.06	35.85	7.55	5.66	0.00	1.89	0.00	0.00
BIOT 3112 (%)	7	22	14	7	2	0	0	1
	13.21	41.51	26.42	13.21	3.77	0.00	0.00	1.89
BIOT 3113 (%)	13	15	18	4	3	0	0	0
	24.53	28.30	33.96	7.55	5.66	0.00	0.00	0.00
BIOT 3114 (%)	28	16	6	0	3	0	0	0
	52.83	30.19	11.32	0.00	5.66	0.00	0.00	0.00
CSEN 3116 (%)	4	9	17	18	3	0	1	1
	7.55	16.98	32.08	33.96	5.66	0.00	1.89	1.89

## Applied Electronics & Instrumentation Engineering

No. of students = 60

### THEORY PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
HMTS 3101 (%)	0	5	8	12	19	14	2	0
	0.00	8.33	13.33	20.00	31.67	23.33	3.33	0.00
AEIE 3101 (%)	4	6	22	11	7	10	0	0
	6.67	10.00	36.67	18.33	11.67	16.67	0.00	0.00
AEIE 3102 (%)	9	8	13	10	11	9	0	0
	15.00	13.33	21.67	16.67	18.33	15.00	0.00	0.00
AEIE 3103 (%)	2	4	13	13	10	13	5	0
	3.33	6.67	21.67	21.67	16.67	21.67	8.33	0.00
AEIE 3104 (%)	13	11	10	9	6	8	3	0
	21.67	18.33	16.67	15.00	10.00	13.33	5.00	0.00

### LAB PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
AEIE 3111 (%)	7	28	24	1	0	0	0	0
	11.67	46.67	40.00	1.67	0.00	0.00	0.00	0.00
AEIE 3112 (%)	25	11	20	3	1	0	0	0
	41.67	18.33	33.33	5.00	1.67	0.00	0.00	0.00
AEIE 3113 (%)	10	30	17	1	1	1	0	0
	16.67	50.00	28.33	1.67	1.67	1.67	0.00	0.00
AEIE 3114 (%)	25	22	12	0	1	0	0	0
	41.67	36.67	20.00	0.00	1.67	0.00	0.00	0.00

## Chemical Engineering

No. of students = 64

### THEORY PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
HMTS 3101 (%)	0	4	9	19	17	13	2	0
	0.00	6.25	14.06	29.69	26.56	20.31	3.13	0.00
CHEN 3101 (%)	5	11	19	10	12	5	1	1
	7.81	17.19	29.69	15.63	18.75	7.81	1.56	1.56
CHEN 3102 (%)	6	18	8	11	9	10	1	1
	9.38	28.13	12.50	17.19	14.06	15.63	1.56	1.56
CHEN 3103 (%)	2	8	14	12	11	12	5	0
	3.13	12.50	21.88	18.75	17.19	18.75	7.81	0.00
CHEN 3104 (%)	7	5	16	13	10	10	3	0
	10.94	7.81	25.00	20.31	15.63	15.63	4.69	0.00
CHEN 3132 / 3133 (%)	12	18	13	10	5	3	3	0
	18.75	28.13	20.31	15.63	7.81	4.69	4.69	0.00

### LAB PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
CHEN 3111 (%)	8	31	18	7	0	0	0	0
	12.50	48.44	28.13	10.94	0.00	0.00	0.00	0.00
CHEN 3112 (%)	10	31	19	4	0	0	0	0
	15.63	48.44	29.69	6.25	0.00	0.00	0.00	0.00
CHEN 3113 (%)	18	24	16	6	0	0	0	0
	28.13	37.50	25.00	9.38	0.00	0.00	0.00	0.00



## Mechanical Engineering

No. of students = 139

### THEORY PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
HMTS 3101 (%)	0	6	17	41	35	29	8	3
	0.00	4.32	12.23	29.50	25.18	20.86	5.76	2.16
MECH 3101 (%)	3	9	27	28	23	33	14	2
	2.16	6.47	19.42	20.14	16.55	23.74	10.07	1.44
MECH 3102 (%)	3	15	28	24	16	29	16	8
	2.16	10.79	20.14	17.27	11.51	20.86	11.51	5.76
MECH 3103 (%)	2	4	13	17	29	47	24	3
	1.44	2.88	9.35	12.23	20.86	33.81	17.27	2.16
MECH 3131 / 3132 / 3133 (%)	6	19	24	31	27	23	8	1
	4.32	13.67	17.27	22.30	19.42	16.55	5.76	0.72
MECH 3141 / 3142 / 3143 / 3144 (%)	6	16	39	34	20	7	15	2
	4.32	11.51	28.06	24.46	14.39	5.04	10.79	1.44

### LAB PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
MECH 3111 (%)	10	20	31	38	19	18	2	1
	7.19	14.39	22.30	27.34	13.67	12.95	1.44	0.72
MECH 3112 (%)	2	32	38	32	15	18	0	2
	1.44	23.02	27.34	23.02	10.79	12.95	0.00	1.44
MECH 3136 / 37 / 38 (%)	12	41	37	18	17	9	3	2
	8.63	29.50	26.62	12.95	12.23	6.47	2.16	1.44

**Civil Engineering**  
**No. of students = 142**

**THEORY PAPERS**

<b>Paper Code &amp; Percentage</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 (&lt;40)</b>	<b>FA/FC</b>
<b>HMTS 3101</b>	<b>1</b>	<b>2</b>	<b>17</b>	<b>24</b>	<b>29</b>	<b>50</b>	<b>18</b>	<b>1</b>
<b>(%)</b>	<b>0.70</b>	<b>1.41</b>	<b>11.97</b>	<b>16.90</b>	<b>20.42</b>	<b>35.21</b>	<b>12.68</b>	<b>0.70</b>
<b>CIVL 3101</b>	<b>15</b>	<b>27</b>	<b>15</b>	<b>25</b>	<b>19</b>	<b>28</b>	<b>13</b>	<b>0</b>
<b>(%)</b>	<b>10.56</b>	<b>19.01</b>	<b>10.56</b>	<b>17.61</b>	<b>13.38</b>	<b>19.72</b>	<b>9.15</b>	<b>0.00</b>
<b>CIVL 3102</b>	<b>0</b>	<b>7</b>	<b>14</b>	<b>25</b>	<b>30</b>	<b>51</b>	<b>11</b>	<b>4</b>
<b>(%)</b>	<b>0.00</b>	<b>4.93</b>	<b>9.86</b>	<b>17.61</b>	<b>21.13</b>	<b>35.92</b>	<b>7.75</b>	<b>2.82</b>
<b>CIVL 3103</b>	<b>4</b>	<b>20</b>	<b>30</b>	<b>24</b>	<b>29</b>	<b>21</b>	<b>13</b>	<b>1</b>
<b>(%)</b>	<b>2.82</b>	<b>14.08</b>	<b>21.13</b>	<b>16.90</b>	<b>20.42</b>	<b>14.79</b>	<b>9.15</b>	<b>0.70</b>
<b>CIVL 3104</b>	<b>0</b>	<b>23</b>	<b>25</b>	<b>32</b>	<b>28</b>	<b>23</b>	<b>8</b>	<b>3</b>
<b>(%)</b>	<b>0.00</b>	<b>16.20</b>	<b>17.61</b>	<b>22.54</b>	<b>19.72</b>	<b>16.20</b>	<b>5.63</b>	<b>2.11</b>
<b>CIVL 3105</b>	<b>10</b>	<b>24</b>	<b>27</b>	<b>30</b>	<b>22</b>	<b>18</b>	<b>9</b>	<b>2</b>
<b>(%)</b>	<b>7.04</b>	<b>16.90</b>	<b>19.01</b>	<b>21.13</b>	<b>15.49</b>	<b>12.68</b>	<b>6.34</b>	<b>1.41</b>

**LAB PAPERS**

<b>Paper Code &amp; Percentage</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 (&lt;40)</b>	<b>FA/FC</b>
<b>CIVL 3111</b>	<b>18</b>	<b>45</b>	<b>34</b>	<b>16</b>	<b>24</b>	<b>3</b>	<b>2</b>	<b>0</b>
<b>(%)</b>	<b>12.68</b>	<b>31.69</b>	<b>23.94</b>	<b>11.27</b>	<b>16.90</b>	<b>2.11</b>	<b>1.41</b>	<b>0.00</b>
<b>CIVL 3112</b>	<b>6</b>	<b>24</b>	<b>41</b>	<b>30</b>	<b>19</b>	<b>22</b>	<b>0</b>	<b>0</b>
<b>(%)</b>	<b>4.23</b>	<b>16.90</b>	<b>28.87</b>	<b>21.13</b>	<b>13.38</b>	<b>15.49</b>	<b>0.00</b>	<b>0.00</b>
<b>CIVL 3113</b>	<b>43</b>	<b>35</b>	<b>34</b>	<b>19</b>	<b>7</b>	<b>2</b>	<b>2</b>	<b>0</b>
<b>(%)</b>	<b>30.28</b>	<b>24.65</b>	<b>23.94</b>	<b>13.38</b>	<b>4.93</b>	<b>1.41</b>	<b>1.41</b>	<b>0.00</b>

## Electrical Engineering

No. of students = 74

### THEORY PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
HMTS 3101 (%)	2	2	7	16	22	19	6	0
	2.70	2.70	9.46	21.62	29.73	25.68	8.11	0.00
ELEC 3101 (%)	4	3	12	18	12	16	8	1
	5.41	4.05	16.22	24.32	16.22	21.62	10.81	1.35
ELEC 3102 (%)	2	14	20	9	11	14	3	1
	2.70	18.92	27.03	12.16	14.86	18.92	4.05	1.35
ELEC 3103 (%)	3	4	13	18	9	17	9	1
	4.05	5.41	17.57	24.32	12.16	22.97	12.16	1.35
ELEC 3104 (%)	3	0	10	18	18	19	6	0
	4.05	0.00	13.51	24.32	24.32	25.68	8.11	0.00
ELEC 3132 (%)	4	14	14	17	15	6	3	1
	5.41	18.92	18.92	22.97	20.27	8.11	4.05	1.35

### LAB PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
ELEC 3111 (%)	8	20	26	16	2	1	1	0
	10.81	27.03	35.14	21.62	2.70	1.35	1.35	0.00
ELEC 3112 (%)	15	35	16	4	2	1	1	0
	20.27	47.30	21.62	5.41	2.70	1.35	1.35	0.00
ELEC 3113 (%)	12	18	21	7	11	4	1	0
	16.22	24.32	28.38	9.46	14.86	5.41	1.35	0.00
ELEC 3114 (%)	19	31	7	9	6	1	1	0
	25.68	41.89	9.46	12.16	8.11	1.35	1.35	0.00

**RESULT ANALYSIS (B.TECH / THEORY & LAB PAPERS)**  
**4<sup>th</sup> YEAR, ODD SEM-2019**

Computer Science & Engineering  
 No. of students = 226

**THEORY PAPERS**

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
CSEN 4101 (%)	7	28	68	52	28	27	13	3
	3.10	12.39	30.09	23.01	12.39	11.95	5.75	1.33
CSEN 4142 / 4144 / 4145 (%)	5	28	36	61	56	34	3	3
	2.21	12.39	15.93	26.99	24.78	15.04	1.33	1.33
CSEN 4161/ 4162 / 4165 (%)	12	37	55	49	39	20	10	4
	5.31	16.37	24.34	21.68	17.26	8.85	4.42	1.77
MATH 4181 / MATH 4182 / BIOT 4181 / ECEN 4181 (%)	15	27	53	46	45	24	12	4
	6.64	11.95	23.45	20.35	19.91	10.62	5.31	1.77

**LAB PAPERS**

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
CSEN 4111 (%)	64	53	37	27	24	17	1	3
	28.32	23.45	16.37	11.95	10.62	7.52	0.44	1.33
HMTS 4121 (%)	19	106	75	18	4	4	0	0
	8.41	46.90	33.19	7.96	1.77	1.77	0.00	0.00
CSEN 4131 (%)	39	60	66	26	9	26	0	0
	17.26	26.55	29.20	11.50	3.98	11.50	0.00	0.00
CSEN 4132 (%)	71	117	32	1	0	3	0	2
	31.42	51.77	14.16	0.44	0.00	1.33	0.00	0.88
CSEN 4191 (%)	29	96	79	15	3	4	0	0
	12.83	42.48	34.96	6.64	1.33	1.77	0.00	0.00

## Information Technology

No. of students = 60

### THEORY PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
INFO 4101 (%)	1	0	13	16	12	14	4	0
	1.67	0.00	21.67	26.67	20.00	23.33	6.67	0.00
INFO 4102 (%)	4	6	15	8	14	6	4	3
	6.67	10.00	25.00	13.33	23.33	10.00	6.67	5.00
INFO 4142 (%)	14	17	7	13	4	3	2	0
	23.33	28.33	11.67	21.67	6.67	5.00	3.33	0.00
MATH 4181/ AEIE 4182 (%)	4	17	9	19	6	1	2	2
	6.67	28.33	15.00	31.67	10.00	1.67	3.33	3.33

### LAB PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
INFO 4111 (%)	36	8	6	5	3	1	0	1
	60.00	13.33	10.00	8.33	5.00	1.67	0.00	1.67
INFO 4112 (%)	18	9	14	6	5	5	3	0
	30.00	15.00	23.33	10.00	8.33	8.33	5.00	0.00
HMTS 4121 (%)	2	18	33	5	1	1	0	0
	3.33	30.00	55.00	8.33	1.67	1.67	0.00	0.00
INFO 4121 (%)	29	13	13	5	0	0	0	0
	48.33	21.67	21.67	8.33	0.00	0.00	0.00	0.00
INFO 4131 (%)	10	21	17	8	4	0	0	0
	16.67	35.00	28.33	13.33	6.67	0.00	0.00	0.00
INFO 4191 (%)	5	17	12	18	1	7	0	0
	8.33	28.33	20.00	30.00	1.67	11.67	0.00	0.00

## Electronics & Communication Engineering

No. of students = 209

### THEORY PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
ECEN 4101 (%)	3	8	18	40	56	55	29	0
	1.44	3.83	8.61	19.14	26.79	26.32	13.88	0.00
ECEN 4102 (%)	19	54	54	41	18	9	9	5
	9.09	25.84	25.84	19.62	8.61	4.31	4.31	2.39
ECEN 4103 (%)	9	32	44	46	38	24	12	4
	4.31	15.31	21.05	22.01	18.18	11.48	5.74	1.91
CSEN 4182/ INFO 4182 / AEIE 4182/ MATH 4181 (%)	8	35	27	35	55	33	10	6
	3.83	16.75	12.92	16.75	26.32	15.79	4.78	2.87

### LAB PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
ECEN 4111 (%)	61	61	49	24	13	0	0	1
	29.19	29.19	23.44	11.48	6.22	0.00	0.00	0.48
ECEN 4113 (%)	105	67	27	8	0	0	1	1
	50.24	32.06	12.92	3.83	0.00	0.00	0.48	0.48
HMTS 4121 (%)	52	65	46	33	7	5	0	1
	24.88	31.10	22.01	15.79	3.35	2.39	0.00	0.48
ECEN 4131 (%)	43	125	40	1	0	0	0	0
	20.57	59.81	19.14	0.48	0.00	0.00	0.00	0.00
ECEN 4132 (%)	49	94	55	5	6	0	0	0
	23.44	44.98	26.32	2.39	2.87	0.00	0.00	0.00
ECEN 4191 (%)	71	77	32	18	10	0	1	0
	33.97	36.84	15.31	8.61	4.78	0.00	0.48	0.00

**Biotechnology**  
**No. of students = 49**

**THEORY PAPERS**

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
BIOT 4101 (%)	0	6	9	14	13	6	1	0
	0.00	12.24	18.37	28.57	26.53	12.24	2.04	0.00
BIOT 4102 (%)	7	5	10	10	10	7	0	0
	14.29	10.20	20.41	20.41	20.41	14.29	0.00	0.00
BIOT 4141 / 42 / 43 (%)	17	13	7	5	6	1	0	0
	34.69	26.53	14.29	10.20	12.24	2.04	0.00	0.00
BIOT 4162 / 64 / 65 (%)	12	7	11	9	6	2	2	0
	24.49	14.29	22.45	18.37	12.24	4.08	4.08	0.00
CHEN 4181 / 82 (%)	8	27	12	1	0	1	0	0
	16.33	55.10	24.49	2.04	0.00	2.04	0.00	0.00

**LAB PAPERS**

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
BIOT 4151 / 4152 / 4153 (%)	29	12	5	3	0	0	0	0
	59.18	24.49	10.20	6.12	0.00	0.00	0.00	0.00
HMTS 4121 (%)	0	28	19	2	0	0	0	0
	0.00	57.14	38.78	4.08	0.00	0.00	0.00	0.00
BIOT 4131 (%)	32	11	2	2	0	2	0	0
	65.31	22.45	4.08	4.08	0.00	4.08	0.00	0.00
BIOT 4134 (%)	24	17	8	0	0	0	0	0
	48.98	34.69	16.33	0.00	0.00	0.00	0.00	0.00
BIOT 4191 (%)	32	11	5	1	0	0	0	0
	65.31	22.45	10.20	2.04	0.00	0.00	0.00	0.00

## Applied Electronics & Instrumentation Engineering

No. of students = 68

### THEORY PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
AEIE 4101 (%)	0	6	35	22	4	0	0	1
	0.00	8.82	51.47	32.35	5.88	0.00	0.00	1.47
AEIE 4102 (%)	7	20	20	12	6	2	0	1
	10.29	29.41	29.41	17.65	8.82	2.94	0.00	1.47
AEIE 4142 / 43 (%)	4	16	17	12	11	7	0	1
	5.88	23.53	25.00	17.65	16.18	10.29	0.00	1.47
CSEN 4182 / BIOT 4181 / ECEN 4181 / MATH 4182 (%)	1	12	18	13	13	9	1	1
	1.47	17.65	26.47	19.12	19.12	13.24	1.47	1.47

### LAB PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
AEIE 4111 (%)	9	24	23	6	6	0	0	0
	13.24	35.29	33.82	8.82	8.82	0.00	0.00	0.00
AEIE 4112 (%)	3	26	30	9	0	0	0	0
	4.41	38.24	44.12	13.24	0.00	0.00	0.00	0.00
HMTS 4121 (%)	15	17	23	8	3	2	0	0
	22.06	25.00	33.82	11.76	4.41	2.94	0.00	0.00
AEIE 4131 (%)	3	36	28	0	0	0	0	1
	4.41	52.94	41.18	0.00	0.00	0.00	0.00	1.47
AEIE 4191 (%)	0	33	35	0	0	0	0	0
	0.00	48.53	51.47	0.00	0.00	0.00	0.00	0.00



## Chemical Engineering

No. of students = 68

### THEORY PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
CHEN 4101 (%)	6	13	16	14	15	3	1	0
	8.82	19.12	23.53	20.59	22.06	4.41	1.47	0.00
CHEN 4103 (%)	2	9	13	12	11	17	4	0
	2.94	13.24	19.12	17.65	16.18	25.00	5.88	0.00
CHEN 4141 / 4142 (%)	15	12	14	12	6	6	3	0
	22.06	17.65	20.59	17.65	8.82	8.82	4.41	0.00
BIOT 4181 / BIOT 4182 (%)	14	11	14	15	9	4	1	0
	20.59	16.18	20.59	22.06	13.24	5.88	1.47	0.00

### LAB PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
CHEN 4112 (%)	15	22	20	11	0	0	0	0
	22.06	32.35	29.41	16.18	0.00	0.00	0.00	0.00
CHEN 4113 (%)	18	17	17	14	2	0	0	0
	26.47	25.00	25.00	20.59	2.94	0.00	0.00	0.00
HMTS 4121 (%)	1	21	33	12	1	0	0	0
	1.47	30.88	48.53	17.65	1.47	0.00	0.00	0.00
CHEN 4131 (%)	20	21	21	5	0	0	1	0
	29.41	30.88	30.88	7.35	0.00	0.00	1.47	0.00
CHEN 4132 (%)	23	21	16	8	0	0	0	0
	33.82	30.88	23.53	11.76	0.00	0.00	0.00	0.00
CHEN 4191 (%)	0	7	29	20	12	0	0	0
	0.00	10.29	42.65	29.41	17.65	0.00	0.00	0.00

## Mechanical Engineering

No. of students = 138

### THEORY PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
MECH 4101 (%)	1	15	11	35	39	25	10	2
	0.72	10.87	7.97	25.36	28.26	18.12	7.25	1.45
MECH 4102 (%)	5	18	43	40	14	13	4	1
	3.62	13.04	31.16	28.99	10.14	9.42	2.90	0.72
MECH 4103 (%)	6	23	40	27	22	9	7	4
	4.35	16.67	28.99	19.57	15.94	6.52	5.07	2.90
MECH 4141/42 / 43 / 44 (%)	12	23	44	23	18	13	2	3
	8.70	16.67	31.88	16.67	13.04	9.42	1.45	2.17
AEIE 4181 / CHEN 4182 / CIVL 4181 (%)	11	45	44	17	9	7	0	5
	7.97	32.61	31.88	12.32	6.52	5.07	0.00	3.62

### LAB PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
MECH 4111 (%)	8	22	39	27	22	18	2	0
	5.80	15.94	28.26	19.57	15.94	13.04	1.45	0.00
MECH 4112 (%)	3	28	36	26	20	21	4	0
	2.17	20.29	26.09	18.84	14.49	15.22	2.90	0.00
HMTS 4121 (%)	10	61	41	19	5	2	0	0
	7.25	44.20	29.71	13.77	3.62	1.45	0.00	0.00
MECH 4131 (%)	68	52	17	0	0	1	0	0
	49.28	37.68	12.32	0.00	0.00	0.72	0.00	0.00
MECH 4191 (%)	27	51	33	12	9	6	0	0
	19.57	36.96	23.91	8.70	6.52	4.35	0.00	0.00

**Civil Engineering**  
**No. of students = 140**

**THEORY PAPERS**

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
CIVL 4101 (%)	0	0	8	23	29	69	9	2
	0.00	0.00	5.71	16.43	20.71	49.29	6.43	1.43
CIVL 4144 (%)	8	22	32	31	20	15	6	6
	5.71	15.71	22.86	22.14	14.29	10.71	4.29	4.29
CIVL 4163 (%)	3	17	28	31	27	20	7	7
	2.14	12.14	20.00	22.14	19.29	14.29	5.00	5.00
CHEN 4181 / ELEC 4182 / MECH 4181 (%)	4	14	33	34	20	15	9	11
	2.86	10.00	23.57	24.29	14.29	10.71	6.43	7.86

**LAB PAPERS**

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
CIVL 4111 (%)	20	25	22	32	20	19	2	0
	14.29	17.86	15.71	22.86	14.29	13.57	1.43	0.00
HMTS 4121 (%)	2	52	33	44	9	0	0	0
	1.43	37.14	23.57	31.43	6.43	0.00	0.00	0.00
CIVL 4131 (%)	53	51	15	12	2	2	0	5
	37.86	36.43	10.71	8.57	1.43	1.43	0.00	3.57
CIVL 4132 (%)	54	43	29	3	2	9	0	0
	38.57	30.71	20.71	2.14	1.43	6.43	0.00	0.00
CIVL 4191 (%)	26	29	32	25	16	6	0	6
	18.57	20.71	22.86	17.86	11.43	4.29	0.00	4.29

## Electrical Engineering

No. of students = 69

### THEORY PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
ELEC 4101 (%)	1	4	9	11	25	13	6	0
	1.45	5.80	13.04	15.94	36.23	18.84	8.70	0.00
ELEC 4102 (%)	4	3	14	22	11	10	4	1
	5.80	4.35	20.29	31.88	15.94	14.49	5.80	1.45
ELEC 4161 (%)	5	16	12	16	14	3	2	1
	7.25	23.19	17.39	23.19	20.29	4.35	2.90	1.45
AEIE 4181 / INFO 4182 (%)	1	1	9	13	27	16	2	0
	1.45	1.45	13.04	18.84	39.13	23.19	2.90	0.00

### LAB PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
ELEC 4111 (%)	11	22	23	11	1	0	1	0
	15.94	31.88	33.33	15.94	1.45	0.00	1.45	0.00
HMETS 4121 (%)	5	19	35	9	1	0	0	0
	7.25	27.54	50.72	13.04	1.45	0.00	0.00	0.00
ELEC 4121 (%)	7	18	31	13	0	0	0	0
	10.14	26.09	44.93	18.84	0.00	0.00	0.00	0.00
ELEC 4031 (%)	3	14	34	17	1	0	0	0
	4.35	20.29	49.28	24.64	1.45	0.00	0.00	0.00
ELEC 4131 (%)	0	27	41	1	0	0	0	0
	0.00	39.13	59.42	1.45	0.00	0.00	0.00	0.00
ELEC 4191 (%)	3	32	25	7	2	0	0	0
	4.35	46.38	36.23	10.14	2.90	0.00	0.00	0.00

**RESULT ANALYSIS (M.TECH / THEORY & LAB PAPERS)**  
**1<sup>ST</sup> YEAR, ODD SEM – 2019**

Computer Science & Engineering  
 No. of students = 11

**THEORY PAPERS**

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)
CSEN 5101 (%)	1	2	1	0	3	3	1
	9.09	18.18	9.09	0.00	27.27	27.27	9.09
CSEN 5102 (%)	3	4	2	2	0	0	0
	27.27	36.36	18.18	18.18	0.00	0.00	0.00
MATH 5101 (%)	1	3	3	2	0	2	0
	9.09	27.27	27.27	18.18	0.00	18.18	0.00
CSEN 5131 (%)	1	3	3	1	1	1	1
	0.00	27.27	27.27	9.09	9.09	9.09	9.09
CSEN 5141 (%)	0	3	3	2	3	0	0
	0.00	27.27	27.27	18.18	27.27	0.00	0.00
DIMA 5116 (%)	0	1	3	1	2	4	0
	0.00	9.09	27.27	9.09	18.18	36.36	0.00

**LAB PAPERS**

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)
CSEN 5151 (%)	2	0	2	0	1	6	0
	18.18	0.00	18.18	0.00	9.09	54.55	0.00
CSEN 5181 / 5181 (%)	0	2	1	4	2	2	0
	0.00	18.18	9.09	36.36	18.18	18.18	0.00

## Electronics & Communication & Engineering

No. of students = 4

### THEORY PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)
ECEN 5101 (%)	1	0	0	1	1	1	0
	25.00	0.00	0.00	25.00	25.00	25.00	0.00
ECEN 5102 (%)	0	2	1	0	1	0	0
	0.00	50.00	25.00	0.00	25.00	0.00	0.00
ECEN 5103 (%)	1	2	1	0	0	0	0
	25.00	50.00	25.00	0.00	0.00	0.00	0.00
ECEN 5131 (%)	1	0	2	1	0	0	0
	25.00	0.00	50.00	25.00	0.00	0.00	0.00
ECEN 5141 (%)	1	1	0	2	0	0	0
	25.00	25.00	0.00	50.00	0.00	0.00	0.00
DIMA 5116 (%)	0	0	1	0	2	1	0
	0.00	0.00	25.00	0.00	50.00	25.00	0.00

### LAB PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)
ECEN 5151 (%)	2	2	0	0	0	0	0
	50.00	50.00	0.00	0.00	0.00	0.00	0.00
ECEN 5152 (%)	3	1	0	0	0	0	0
	75.00	25.00	0.00	0.00	0.00	0.00	0.00

**VLSI**  
**No. of students = 8**

**THEORY PAPERS**

<b>Paper Code &amp; Percentage</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 (&lt;40) / FA</b>
<b>VLSI 5101 (%)</b>	<b>3</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>37.50</b>	<b>12.50</b>	<b>50.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>VLSI 5102 (%)</b>	<b>2</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>25.00</b>	<b>62.50</b>	<b>12.50</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>ECEN 5103 (%)</b>	<b>1</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>12.50</b>	<b>75.00</b>	<b>12.50</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>VLSI 5132 (%)</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>
	<b>0.00</b>	<b>0.00</b>	<b>50.00</b>	<b>37.50</b>	<b>12.50</b>	<b>0.00</b>	<b>0.00</b>
<b>VLSI 5142 (%)</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>0</b>
	<b>0.00</b>	<b>12.50</b>	<b>12.50</b>	<b>25.00</b>	<b>25.00</b>	<b>25.00</b>	<b>0.00</b>
<b>DIMA 5116 (%)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>1</b>
	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>25.00</b>	<b>37.50</b>	<b>25.00</b>	<b>12.50</b>

**LAB PAPERS**

<b>Paper Code &amp; Percentage</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 (&lt;40)</b>
<b>VLSI 5151 (%)</b>	<b>2</b>	<b>2</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>25.00</b>	<b>25.00</b>	<b>50.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>VLSI 5152 (%)</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>100.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**Biotechnology**  
**No. of students = 13**

**THEORY PAPERS**

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)
BIOT 5101 (%)	3	0	2	5	3	0	0
	23.08	0.00	15.38	38.46	23.08	0.00	0.00
BIOT 5102 (%)	1	1	2	4	5	0	0
	7.69	7.69	15.38	30.77	38.46	0.00	0.00
BIOT 5103 (%)	0	5	6	2	0	0	0
	0.00	38.46	46.15	15.38	0.00	0.00	0.00
BIOT 5131 (%)	6	4	1	2	0	0	0
	46.15	30.77	7.69	15.38	0.00	0.00	0.00
BIOT 5141/5142 (%)	3	6	3	1	0	0	0
	23.08	46.15	23.08	7.69	0.00	0.00	0.00
DIMA 5116 (%)	0	5	2	5	1	0	0
	0.00	38.46	15.38	38.46	7.69	0.00	0.00

**LAB PAPERS**

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)
BIOT 5151 (%)	3	3	7	0	0	0	0
	23.08	23.08	53.85	0.00	0.00	0.00	0.00
BIOT 5152 (%)	0	4	5	3	1	0	0
	0.00	30.77	38.46	23.08	7.69	0.00	0.00



## Applied Electronics & Instrumentation Engineering

No. of students = 8

### THEORY PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)
AEIE 5101 (%)	2	3	0	1	2	0	0
	25.00	37.50	0.00	12.50	25.00	0.00	0.00
AEIE 5102 (%)	0	2	5	1	0	0	0
	0.00	25.00	62.50	12.50	0.00	0.00	0.00
AEIE 5103 (%)	4	2	1	0	1	0	0
	50.00	25.00	12.50	0.00	12.50	0.00	0.00
AEIE 5131 (%)	0	1	3	2	1	1	0
	0.00	12.50	37.50	25.00	12.50	12.50	0.00
AEIE 5141 (%)	2	1	2	2	1	0	0
	25.00	12.50	25.00	25.00	12.50	0.00	0.00
DIMA 5116 (%)	1	0	1	1	2	3	0
	12.50	0.00	12.50	12.50	25.00	37.50	0.00

### LAB PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)
AEIE 5151 (%)	1	3	4	0	0	0	0
	12.5	37.5	50	0	0	0	0
AEIE 5152 (%)	4	4	0	0	0	0	0
	50.00	50.00	0.00	0.00	0.00	0.00	0.00

## Renewable Energy

No. of students = 4

### THEORY PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)
REEN 5101 (%)	1	2	1	0	0	0	0
	25.00	50.00	25.00	0.00	0.00	0.00	0.00
REEN 5102 (%)	0	1	1	2	0	0	0
	0.00	25.00	25.00	50.00	0.00	0.00	0.00
REEN 5103 (%)	1	1	0	2	0	0	0
	25.00	25.00	0.00	50.00	0.00	0.00	0.00
REEN 5142 (%)	1	0	0	0	1	2	0
	25.00	0.00	0.00	0.00	25.00	50.00	0.00
REEN 5146 (%)	2	0	0	0	2	0	0
	50.00	0.00	0.00	0.00	50.00	0.00	0.00
DIMA 5116 (%)	0	0	0	2	1	1	0
	0.00	0.00	0.00	50.00	25.00	25.00	0.00

### LAB PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)
REEN 5151 (%)	0	0	1	3	0	0	0
	0	0	25	75	0	0	0
REEN 5152 (%)	0	1	3	0	0	0	0
	0	25	75	0	0	0	0

**RESULT ANALYSIS (M.TECH)**  
**2<sup>nd</sup> YEAR, ODD SEM – 2019**

**Computer Science & Engineering**  
**No. of students = 10**

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)
CSEN 6137 (%)	0	2	2	3	2	1	0
	0.00	20.00	20.00	30.00	20.00	10.00	0.00
MATH 6121 (%)	3	5	1	1	0	0	0
	30.00	50.00	10.00	10.00	0.00	0.00	0.00
CSEN 6195 (%)	0	5	3	2	0	0	0
	0.00	50.00	30.00	20.00	0.00	0.00	0.00

**Electronics & Communication & Engineering**  
**No. of students = 4**

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)
ECEN 6132 (%)	2	1	1	0	0	0	0
	50.00	25.00	25.00	0.00	0.00	0.00	0.00
MATH 6121 (%)	1	1	0	1	1	0	0
	25.00	25.00	0.00	25.00	25.00	0.00	0.00
ECEN 6195 (%)	1	3	0	0	0	0	0
	25.00	75.00	0.00	0.00	0.00	0.00	0.00

**VLSI**  
**No. of students = 9**

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)
VLSI 6132 (%)	1	1	2	3	0	2	0
	11.11	11.11	22.22	33.33	0.00	22.22	0.00
MATH 6121 (%)	4	4	0	0	1	0	0
	44.44	44.44	0.00	0.00	11.11	0.00	0.00
VLSI 6195 (%)	1	5	2	0	1	0	0
	11.11	55.56	22.22	0.00	11.11	0.00	0.00

**Biotechnology**  
**No. of students = 8**

<b>Paper Code &amp; Percentage</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 (&lt;40)</b>
<b>BIOT 6121 (%)</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>0</b>
	<b>25.00</b>	<b>12.50</b>	<b>0.00</b>	<b>37.50</b>	<b>25.00</b>	<b>0.00</b>	<b>0.00</b>
<b>BIOT 6132 / 6133 (%)</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>0</b>
	<b>25.00</b>	<b>12.50</b>	<b>0.00</b>	<b>50.00</b>	<b>12.50</b>	<b>0.00</b>	<b>0.00</b>
<b>BIOT 6195 (%)</b>	<b>6</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>75.00</b>	<b>25.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**Applied Electronics & Instrumentation Engineering**  
**No. of students = 3**

<b>Paper Code &amp; Percentage</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 (&lt;40)</b>
<b>AEIE 6131 (%)</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>0.00</b>	<b>33.33</b>	<b>0.00</b>	<b>66.67</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>AEIE 6122 (%)</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>0.00</b>	<b>33.33</b>	<b>66.67</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>AEIE 6195 (%)</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>0.00</b>	<b>66.67</b>	<b>33.33</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

# RESULT ANALYSIS (MCA / THEORY & LAB PAPERS)

## 1<sup>st</sup> YEAR, ODD SEM – 2019

NO. OF STUDENTS = 59

### THEORY PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
HMTS 1101 (%)	5	12	14	14	6	6	1	1
	8.47	20.34	23.73	23.73	10.17	10.17	1.69	1.69
HMTS 1102 (%)	1	10	14	17	9	7	0	1
	1.69	16.95	23.73	28.81	15.25	11.86	0.00	1.69
MCAP 1101 (%)	5	10	5	8	11	16	3	1
	8.47	16.95	8.47	13.56	18.64	27.12	5.08	1.69
MCAP 1102 (%)	0	5	12	6	19	10	6	1
	0.00	8.47	20.34	10.17	32.20	16.95	10.17	1.69
MCAP 1103 (%)	0	2	7	12	12	19	6	1
	0.00	3.39	11.86	20.34	20.34	32.20	10.17	1.69

### LAB PAPERS

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
MCAP 1111 (%)	9	8	15	10	9	5	2	1
	15.25	13.56	25.42	16.95	15.25	8.47	3.39	1.69
HMTS 1112 (%)	5	12	14	14	6	6	1	1
	8.47	20.34	23.73	23.73	10.17	10.17	1.69	1.69

**RESULT ANALYSIS (MCA / THEORY & LAB PAPERS)**  
**2<sup>nd</sup> YEAR, ODD SEM – 2019**

**NO. OF STUDENTS = 45**

**THEORY PAPERS**

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
MCAP 2101	7	14	8	8	3	2	2	1
(%)	15.56	31.11	17.78	17.78	6.67	4.44	4.44	2.22
MCAP 2102	0	6	10	9	8	9	1	2
(%)	0.00	13.33	22.22	20.00	17.78	20.00	2.22	4.44
MCAP 2103	4	9	11	12	3	3	2	1
(%)	8.89	20.00	24.44	26.67	6.67	6.67	4.44	2.22
MCAP 2104	0	10	10	16	4	2	2	1
(%)	0.00	22.22	22.22	35.56	8.89	4.44	4.44	2.22
CHEM 2101	2	9	13	8	7	5	0	1
(%)	4.44	20.00	28.89	17.78	15.56	11.11	0.00	2.22

**LAB PAPERS**

Paper Code & Percentage	O (>89)	E (80-89)	A (70-79)	B (60-69)	C (50-59)	D (40-49)	F (<40)	FA/FC
MCAP 2111	17	15	5	2	2	1	2	1
(%)	37.78	33.33	11.11	4.44	4.44	2.22	4.44	2.22
MCAP 2112	18	11	8	1	1	3	1	2
(%)	40.00	24.44	17.78	2.22	2.22	6.67	2.22	4.44
MCAP 2113	12	10	10	4	2	5	1	1
(%)	26.67	22.22	22.22	8.89	4.44	11.11	2.22	2.22

# **RESULT ANALYSIS (MCA / THEORY & LAB PAPERS)**

**3<sup>rd</sup> YEAR, ODD SEM – 2019**

**NO. OF STUDENTS = 49**

## **THEORY PAPERS**

<b>Paper Code &amp; Percentage</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 (&lt;40)</b>	<b>FA/FC</b>
<b>MCAP 3150</b>	<b>2</b>	<b>0</b>	<b>9</b>	<b>9</b>	<b>13</b>	<b>16</b>	<b>0</b>	<b>0</b>
<b>(%)</b>	<b>4.08</b>	<b>0.00</b>	<b>18.37</b>	<b>18.37</b>	<b>26.53</b>	<b>32.65</b>	<b>0.00</b>	<b>0.00</b>
<b>MCAP 3160</b>	<b>2</b>	<b>8</b>	<b>20</b>	<b>11</b>	<b>6</b>	<b>2</b>	<b>0</b>	<b>0</b>
<b>(%)</b>	<b>4.08</b>	<b>16.33</b>	<b>40.82</b>	<b>22.45</b>	<b>12.24</b>	<b>4.08</b>	<b>0.00</b>	<b>0.00</b>
<b>MCAP 3171</b>	<b>2</b>	<b>7</b>	<b>10</b>	<b>15</b>	<b>10</b>	<b>4</b>	<b>1</b>	<b>0</b>
<b>(%)</b>	<b>4.08</b>	<b>14.29</b>	<b>20.41</b>	<b>30.61</b>	<b>20.41</b>	<b>8.16</b>	<b>2.04</b>	<b>0.00</b>
<b>MCAP 3182</b>	<b>2</b>	<b>7</b>	<b>14</b>	<b>15</b>	<b>5</b>	<b>6</b>	<b>0</b>	<b>0</b>
<b>(%)</b>	<b>4.08</b>	<b>14.29</b>	<b>28.57</b>	<b>30.61</b>	<b>10.20</b>	<b>12.24</b>	<b>0.00</b>	<b>0.00</b>

## **LAB PAPERS**

<b>Paper Code &amp; Percentage</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 (&lt;40)</b>	<b>FA/FC</b>
<b>MCAP 3155</b>	<b>3</b>	<b>13</b>	<b>8</b>	<b>17</b>	<b>6</b>	<b>1</b>	<b>1</b>	<b>0</b>
<b>(%)</b>	<b>6.12</b>	<b>26.53</b>	<b>16.33</b>	<b>34.69</b>	<b>12.24</b>	<b>2.04</b>	<b>2.04</b>	<b>0.00</b>
<b>MCAP 3195</b>	<b>11</b>	<b>20</b>	<b>12</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>(%)</b>	<b>22.45</b>	<b>40.82</b>	<b>24.49</b>	<b>12.24</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>