<table>
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<tr>
<th>Month</th>
<th>No. of Periods</th>
<th>Unit</th>
<th>Activity</th>
<th>Intended Learning Objectives</th>
<th>Remarks</th>
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<tr>
<td>September</td>
<td></td>
<td></td>
<td><strong>Applications of computers</strong></td>
<td>To be able to identify a range of computing technologies and its impact on humans</td>
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<tr>
<td>Week 1</td>
<td>2</td>
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<td>Discuss with students and share their experience about the latest technologies available in the world today</td>
<td>To be able to familiarize with the new technologies available in the present world</td>
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<td>Week 2</td>
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<td>Week 3</td>
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<td>Explain the concepts of different computing technologies such as embedded, mobile, wearable, implanted computing</td>
<td>To be able to identify a range of computing technologies and its impact on humans</td>
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<td>Week 4</td>
<td>2</td>
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<td>Discuss how computers can be applied in Education industry to enhance the teaching - learning experience</td>
<td>To analyze the use of computers in various fields to collect, analyze, evaluate and present data</td>
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<tr>
<td>Week 5</td>
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<td>Discuss how computers can be applied in Healthcare and Entertainment industry to enhance the teaching - learning experience</td>
<td>To analyze the use of computers in various fields to collect, analyze, evaluate and present data</td>
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<td>October</td>
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<td><strong>Digital Editing</strong></td>
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<td>Week 6</td>
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<td>Discuss how technologies such as Augmented Reality, Virtual Reality can be used to enhance gaming experience</td>
<td>To analyze the use of computers in various fields to collect, analyze, evaluate and present data</td>
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<td>Week 7</td>
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<td>Discuss the characteristics of a good presentation</td>
<td>To be able to demonstrate the skills in using Image Editing tools to gather media for a presentation</td>
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<td>Week 8</td>
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<td>Demonstrate how to customize images to suit the presentation</td>
<td>To be able to demonstrate the skills in using Image Editing tools to gather media for a presentation</td>
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<td>Week 9</td>
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<td>Demonstrate how to create own sounds and effects to suit the presentation</td>
<td>To be able to demonstrate the skills in using Sound Editing tools to gather media for a presentation</td>
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<td>Week 10</td>
<td>2</td>
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<td>Explain how to plan the layout and the flow of the presentation using manual methods such as sketching</td>
<td>To be able to effectively plan a presentation</td>
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<td>November</td>
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<td><strong>Digital Editing</strong></td>
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<td>Week 11</td>
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<td>Demonstrate how to digitally convert the previously planned presentation through Presentation tools</td>
<td>To be able to demonstrate the skills in using offline Digital Presentation tools to create an effective presentation</td>
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<td>December</td>
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<td><strong>Applications of computers</strong></td>
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<td>Week 12</td>
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<td>Demonstrate how to use other tools (online) to create effective presentation</td>
<td>To be able to demonstrate the skills in using online Digital Presentation tools to create an effective presentation</td>
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<td>Week 13</td>
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<td>Discuss the importance of soft skills to make the presentation attractive and productive through practical demonstration sessions</td>
<td>To develop the soft skills needed to for an effective presentation</td>
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<td>Week 14</td>
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<td>January</td>
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<td><strong>World of Codes</strong></td>
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<td>Week 15</td>
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<td></td>
<td>Explain the concepts of different computing technologies such as embedded, mobile, wearable, implanted computing</td>
<td>To be able to apply the concepts of sequence and selection to create algorithms</td>
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<td>Week 16</td>
<td>2</td>
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<td>Use a graphical tool to represent the flowcharts</td>
<td>To be able to apply the concepts of sequence and selection to create algorithms</td>
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<td>Week 17</td>
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<td>Generate flowcharts for repeating instructions to fulfill a condition</td>
<td>To be able to apply the concepts of sequence and selection to create algorithms</td>
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<td>Week 18</td>
<td>2</td>
<td></td>
<td>Create pseudocodes for given examples and check whether the results are generated as expected</td>
<td>To be able to structure and test the logic of algorithms</td>
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<td>February</td>
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<td><strong>World of Codes</strong></td>
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<td>Week 19</td>
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<td>Discuss the stages involved in developing a software</td>
<td>To be able to analyze the Systems Development Life Cycle</td>
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<tr>
<td>Week 20</td>
<td>2</td>
<td></td>
<td>Gather information for a real life scenario and enter them into spreadsheets</td>
<td>To be able to collect data and model them logically</td>
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<td>Week 21</td>
<td>2</td>
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<td>Obtain results for a given scenario through sorting and filtering</td>
<td>To be able to analyze data in multiple ways to obtain different results</td>
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<td>Week 22</td>
<td>2</td>
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<td>Create spreadsheets for given scenarios and process data using functions</td>
<td>To be able to apply functions to manipulate data and obtain necessary information</td>
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<td>Week 23</td>
<td>2</td>
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<td>Generate charts for data gathered and processed</td>
<td>To be able to present data using appropriate techniques</td>
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<td>Week 24</td>
<td>2</td>
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<td>Examine the concept of algorithms and generate flow charts for conveying instructions in a sequence or based on a decision</td>
<td>To be able to apply the concepts of sequence and selection to create algorithms</td>
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<td>Week 25</td>
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<td>Explain the concept of algorithms and generate flow charts for conveying instructions in a sequence or based on a decision</td>
<td>To be able to apply the concepts of sequence and selection to create algorithms</td>
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<td>Week 26</td>
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<td>Create pseudocodes for given examples and check whether the results are generated as expected</td>
<td>To be able to structure and test the logic of algorithms</td>
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<td>Week 27</td>
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<td>Discuss the stages involved in developing a software</td>
<td>To be able to analyze the Systems Development Life Cycle</td>
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<td>Month</td>
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<td>March</td>
<td>28</td>
<td>Second Term Practical Test</td>
<td>To be able to understand the concept of networking and its practical applications.</td>
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<td>School Reopens for Third Term</td>
<td>To be able to understand the concept of networking and its practical applications.</td>
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<td>2 Communication is Everything</td>
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<td>Discuss what is a network and how networks are used in real life for sharing resources and information. E.g: The internet.</td>
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<td>2 Communication is Everything</td>
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<td>Demonstrate knowledge in identifying Ring, Star, Bus topologies and their pros and cons</td>
<td>To be able to identify various types of networks and their topologies.</td>
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<td>Discuss the use of VoIP, Social Media and Cloud Computing including its benefits and risks.</td>
<td>To be able to demonstrate familiarity and usage of communication and collaboration tools.</td>
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<td>2 It’s Programming Time</td>
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<td>Create simple algorithms to move objects using a programming language</td>
<td>To be able to demonstrate understanding in constructing algorithms for sequence</td>
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<td>Create simple algorithms with repeating instructions to given scenarios</td>
<td>To be able to demonstrate understanding in constructing algorithms for Iteration</td>
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<td>Create advance algorithms using the concepts of sequence, selection and iteration for the given scenarios</td>
<td>To be able to demonstrate understanding in constructing algorithms for Selection</td>
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<td>May</td>
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<td>45</td>
<td>Paper Correction and Progress Reports making</td>
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END OF ACADEMIC TERM / SUMMER VACATION