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| --- | --- | --- | --- | --- | --- | --- |
| Faculty | Nafees Mansoor, PhD  Assistant Professor, Department of Computer Science and Engineering  University of Liberal Arts Bangladesh (ULAB) | | | | | |
| Hours | Class Hours: 10:00 – 11:20 (Sun/Tues)  Counseling Hours: 13:00 – 14:00 (Sun/Tues)  Note: Also available by appointment at other hours (e.g. email) | | | | | |
| Contact Details | nafees.mansoor@ulab.edu.bd, Office: Room PC315 | | | | | |
| Course Pre-requisites | N/A | | | | | |
| Dept. offering the course | Department of Computer Science and Engineering | | | | | |
| Course Title | Introduction to Computer Studies (For CSE) | | | | | |
| Course Code | CSE101 | Credit | 3 | Term | Summer 2019 |
| Number of Lectures | 24 |  |  | Total | 24 |

Course Details

**1.** **Course Description**

|  |  |
| --- | --- |
| This course will familiar the students with the Computing Systems, primitive programming and ubiquitous technology driven system At the end of the class, we expect students be able to visualize computer science and engineering to some extent. |  |

**2. Course Objective**

1. To **provide** a thorough introduction to computing system.
2. To **introduce** several important technological advancements that are interesting both from a theoretical and also practical point of view.
3. To **enable** students in designing programs using pseudocodes and flowcharts.
4. To **emphasize** on designing and solving practical problems through computer programs.
5. To **introduce** the students on fundamental programming features.

**3. Intended learning outcomes of the course (ILOs)**

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| --- |
| 1. **Describe** the concept and components of computing system along with its benefits. |
| 1. **Explain** features and benefits of various technological advancements |
| 1. **Define** a wide range of practical problems as a computational problem |
| 1. **Understand** a real-life problem and **be able** to design and develop systems using pseudocodes and flowcharts. |
| 1. **Introduce** the fundamental concepts of computer programming |

**4. Mapping of Course LO and PLO:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Learning Outcome (LO) of the Course** | **Program Learning Outcome (PLO)** | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| **ILO 1** | MJ | MN |  |  |  |  |  |  |  |  |  |  |
| **ILO 2** | MJ | MN | MJ |  |  |  |  |  |  |  |  |  |
| **ILO 3** | MJ | MN | MJ |  |  |  |  |  |  |  |  |  |
| **ILO 4** |  | MJ | MN |  |  |  |  |  |  |  |  |  |
| **ILO 5** | MJ | MN |  |  |  |  |  |  |  | MN |  |  |

**5. Contents**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl** | **CO** | **Topic** | **Teaching Strategy** | **Assessment Strategy** | **Number of Sessions** |
| 1 | CO1 & CO2 | Introduction to Computing System | Lecture  Exercise | Q/A | 2 |
| 2 | CO1, CO2 | Number Systems | Lecture  Exercise | Q/A | 4 |
| 3 | CO1, CO2 | Hardware and Software | Lecture  Exercise | Q/A | 2 |
| 4 | CO1, CO2, CO3 | Technological Advancements | Lecture  Exercise | Q/A Mid Term | 2 |
| 5 | CO1, CO2, CO3, CO4 & CO5 | Algorithms, pseudocode and flowcharts | Lecture  Exercise | Q/A | 4 |
| 6 | CO1, CO2, CO3, CO4 & CO5 | Introduction to Programming | Lecture  Exercise | Q/A  Presentation  Final | 8 |
| 7 | CO1, CO2, CO3, CO4 & CO5 | Getting Started with Web Development | Lecture  Exercise | Q/A  Final | 2 |
|  |  |  |  | **Total** | 24 |

1. **A. Assessment Schedule**

|  |  |  |  |
| --- | --- | --- | --- |
| Assessment 1 | Quiz | Session | TBA |
| Assessment 2 | Mid Term | Session | As per ULAB Schedule |
| Assessment 3 | Project Presentation | Session | TBA |
| Assessment 4 | Final | Session | As per ULAB Schedule |

**B. Weights of Assessments**

|  |  |
| --- | --- |
| **Assessments** | **%** |
| Mid-term Examination | 20 |
| Final Term Examination | 40 |
| Class Participation & Attendance | 10 |
| Assignments | 10 |
| Quiz | 10 |
| Total | 100 |

**C. Grading Policy**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Grade** | **Marks** |  | **Grade** | **Marks** |
| **A+** | 95-100 | **B-** | 65-69 |
| **A** | 85-94 | **C+** | 60-64 |
| **A-** | 80-84 | **C** | 55-59 |
| **B+** | 75-79 | **D** | 50-54 |
| **B** | 70-74 |  |  |

**7. List of References**

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| Essential Books (Text Books) | * Peter Norton, Introduction to Computers, 6th edition * Let us C – Y. Kanetkar |
| Online Resources | Related online resources will be provided in the class. |

**Facilities Required for Teaching and Learning**

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| Projector, Whiteboard, computer with internet connection. |

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| * ULAB regulations will be followed in conducting exams and evaluating answer scripts and grading. * Failing to attend 6 or more classes will result in an automatic fail. * Mid-term and final examinations will be held according ULAB schedules * Students are advised to be in the classroom on time. * All special emails are required to be sent to cse101.nafm@gmail.com. * Cheating and plagiarism will result in an automatic mark of zero in the assessment item. * Quizzes will be conducted as surprise quiz. Thus, students are advised to attain class regularly. * There will be No Makeup Exam. * Any cellular phone based activity is strictly prohibited in the class. Students are advised to keep their phones into silent mode while at the class. |

**Course Policies and Procedures**

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| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | | | | | |  | .........................................................................................  *Course Instructor*  Date: |  | .................................................................................................  *Head of the Department*  Date: | |



Lesson Plan

|  |  |  |  |
| --- | --- | --- | --- |
| Semester/Year: | Summer 2019 | Department: | Computer Science and Engineering |
| Course Code: | CSE101 | Course Title: | Introduction to Computer Studies |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S/L | Topic | Learning Outcomes | No. of Session | Activities | Assessment | Learning Resources |
| 1 | Introduction to Computing System | CO1 & CO2 | 2 | Lecture, Exercise, | AS 1, AS 7 | Book, Slides |
| 2 | Number Systems | CO1, CO2 | 4 | Lecture, Exercise | AS 1, AS 7 | Book, Slides |
| 3 | Hardware and Software | CO1, CO2, | 2 | Lecture, Exercise, | AS1, AS 7 | Book, Slides |
| 4 | Technological Advancements | CO1, CO2, CO3 | 2 | Lecture, Exercise, Assignment | AS 1, AS 2, AS 7 | Book, Slides |
| 5 | Algorithms, pseudocode and flowcharts | CO1, CO2, CO3, CO4 & CO5 | 4 | Lecture, Exercise, Assignment | AS 1, AS 2, AS 7 | Book, Slides |
| 6 | Introduction to Programming | CO1, CO2, CO3, CO4 & CO5 | 8 | Lecture, Exercise, Assignment | AS 1, AS 2, AS 7 | Book, Slides |
| 7. | Getting Started with Web Development | CO1, CO2, CO3, CO4 & CO5 | 2 | Lecture, Exercise, | AS 3, AS 7 | Book, Slides |

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| Prepared By: | Nafees Mansoor, PhD | Signature: |  | Date: |  |
| Verified By: |  | Signature: |  | Date: |  |

**Course-Program Mapping**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date:** | Summer 2019 | **Department:** | Computer Science and Engineering |
| **Course Title:** | Introduction to Computer Studies | **Prepared by:** | Nafees Mansoor, PhD |
| **Course Code:** | CSE101 | **Checked by:** |  |
| **Course Type:** | MJ, T |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SL No.** | **Course Learning Outcome (ILO)** | **Contribution to** | | | **Assessment Strategy** |
| **Program Learning Outcomes** | **Generic Skills** | **Professional Skills** |
| **1.** | **Describe** the concept and components of computing system along with its benefits. | PLO1(MJ), PLO2(MN) | GS1.1(MJ), GS2.1(MN), GS3.4(MN) | PS1(MJ), PS2(MJ), PS3 (MN) | AS1(MJ), AS5(MJ) |
| **2.** | **Explain** features and benefits of various technological advancements | PLO1(MJ), PLO2 (MJ), PLO3(MJ) | GS1.1(MJ), GS1.2(MJ), GS2.1(MN), GS4.3(MJ), | PS1(MJ), PS10(MJ) | AS1(MJ), AS2(MJ), AS3(MJ) |
| **3.** | **Define** a wide range of practical problems as a computational problem | PLO1(MJ), PLO2 (MJ), PLO3(MJ) | GS1.1(MJ),  GS1.2(MJ),  GS2.2(MN), GS4.1(MN), GS4.3(MJ), GS4.4(MJ) | PS1(MJ), PS10(MJ) | AS2(MJ), AS3(MJ), AS7(MJ) |
| **4.** | **Understand** a real-life problem and **be able** to design and develop systems using pseudocodes and flowcharts. | PLO2 (MJ), PLO3(MN) | GS1.1(MJ),  GS1.2(MJ),  GS2.2(MN), GS4.1(MN), GS4.3(MJ), GS4.4(MJ) | PS1(MJ), PS10(MJ), | AS2(MJ), AS3(MJ), AS7(MJ) |
| **5.** | **Introduce** the fundamental concepts of computer programming | PLO1(MJ), PLO2(MN), PLO11(MJ) | GS1.1(MJ),  GS2.1(MN), GS3.1(MJ), GS4.5(MN) | PS1(MJ), PS10(MN) | AS2(MJ), AS3(MJ), AS7(MJ) |

**Note:** Kindly write the appropriate code on the space allotted. Please indicate if the contribution is major (MJ) or minor (MN). The codes are in the following pages.

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**Program Learning Outcome Mapping**

|  |  |
| --- | --- |
| **Degree** | BSc in Computer Science and Engineering |
| **Program Offering Entity:** | Department of Computer Science and Engineering |

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| **Course Code** | **PLO1** | **PLO2** | **PLO3** | **PLO4** | **PLO5** | **PLO6** | **PLO7** | **PLO8** | **PLO9** | **PLO10** | **PLO11** | **PLO12** |
| CSE101 | √√ | √√ | √ |  |  |  |  |  |  | √ |  |  |
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**Note:** Put (√√) if the course makes a major contribution, Put (√) if the course makes a minor contribution.



Program Learning Outcome Alignment

|  |  |
| --- | --- |
| Degree: | BSc in Computer Science and Engineering |
| Program Offering Entity: | Department of Computer Science and Engineering |

**PLO 3:**

**PLO 2:** CSE101

**PLO 4:**

**PLO 5:** *Write course code here*

**PLO 7:** *Write course code here*

**PLO 8:** *Write course code here*

**PLO 6:** *Write course code here*

**PLO 1:** CSE101

**PLO 12:**

**PLO 10:** CSE101

**PLO 11:**

**PLO 9:**

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**Generic Skills Map**

|  |  |
| --- | --- |
| **Degree** | **BSc in Computer Science and Engineering** |
| **Program Offering Entity** | **Department of Computer Science and Engineering** |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Courses** | **GS1** | | **GS2** | | | **GS3** | | | | | | | **GS4** | | | | | |
| **1** | **2** | **1** | **2** | **3** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **1** | **2** | **3** | **4** | **5** | **6** |
| CSE101 | √√ | √√ | √ | √ |  |  |  |  | √ |  |  |  | √ |  | √√ | √√ | √ |  |
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**Note:**  Put (√√) if the course makes a major contribution, Put (√) if the course makes a minor contribution.

**Generic Skills Alignment**

|  |  |
| --- | --- |
| **Degree** | **BSc in Computer Science and Engineering** |
| **Program Offering Entity** | **Department of Computer Science and Engineering** |

**Core Competencies for Graduates**

**Newly Admitted Students in Program**

**Internship/Practicum**

**Competent Graduates**

**Quality/ Accreditation/Regulatory Agencies**

**Feedback from Alumni/Employer of Graduates**

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**GS 4:** CSE101

**GS 3:**

**GS 2:**

**GS 1:** CSE101

**Note:** Plot only if the course makes a major contribution.

**Professional Skills Map**

|  |  |
| --- | --- |
| **Degree** | **BSc in Computer Science and Engineering** |
| **Program Offering Entity** | **Department of Computer Science and Engineering** |

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| **Courses** | **PS1** | **PS2** | **PS3** | **PS4** | **PS5** | **PS6** | **PS7** | **PS8** | **PS9** | **PS10** | **PS11** | **PS12** |
| CSE101 | √√ | √√ | √ |  |  |  |  |  |  | √ |  |  |
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**Note:** Put (√√) if the course makes a major contribution, Put (√) if the course makes a minor contribution.

**Professional Skills Alignment**

|  |  |
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| **Degree:** | **BSc in Computer Science and Engineering** |
| **Program:** | **Department of Computer Science and Engineering** |

**Core Competencies for Graduates**

**Internship/Practicum**

**Competent Graduates**

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| **PS1:** CSE101 |  | **PS7:** |  |
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| **PS2:**CSE101 |  | **PS8:** |  |
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| **PS3:**CSE101 |  | **PS9:** |  |
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| **PS4:** |  | **PS10:**CSE101 |  |
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| **PS5:** |  | **PS11:** |  |
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| **PS6:** |  | **PS12:** |  |

**Quality/ Accreditation/Regulatory Agencies**

**Feedback from Alumni/Employer of Graduates**

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**Newly Admitted Students in Program**

**Note:** Plot only if the course makes a major contribution.



**Learning Assessment Mapping (Course Level)**

|  |  |
| --- | --- |
| **Degree** | **BSc in Computer Science and Engineering** |
| **Program Offering Entity** | **Department of Computer Science and Engineering** |

|  |  |  |  |  |  |  |  |
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| **Courses** | **AS1** | **AS2** | **AS3** | **AS4** | **AS5** | **AS6** | **AS7** |
| CSE101 | √√ | √√ | √√ |  |  |  | √√ |
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**Note:** Put (√√) if the course makes a major contribution, Put (√) if the course makes a minor contribution.

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**Learning Assessment Alignment (Course Level)**

|  |  |
| --- | --- |
| **Degree** | **BSc in Computer Science and Engineering** |
| **Program Offering Entity** | **Department of Computer Science and Engineering** |

**Core Competencies for Graduates**

**Newly Admitted Students in Program**

**Internship/Practicum**

**Competent Graduates**

**AS 2:** CSE101

**AS 1:** CSE101

**AS 4:**

**AS 3:** CSE101

**AS 6:**

**AS 5:**

**AS 7:** CSE101

**Quality/ Accreditation/Regulatory Agencies**

**Feedback from Alumni/Employer of Graduates**

**Note:** Plot only if the course makes a major contribution.



**Course Session Report**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  | Session Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| SL | Particulars |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | Topic Discussed (Please put topic number based on course outline) | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |  |  |  |  |  |  |  |  |  |  |  |
| 2 | Teaching Method:(Tick (√) appropriate boxes) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Debate |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Discussion |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | √ |  |  |  |  |  |  |  |  |  |  |
| Presentation |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | √ |  |  |  |  |  |  |  |  |  |
| Group work |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Active Learning: (Please Specify and tick (√) appropriate boxes) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Q/A | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |  |  |  |  |  |  |  |  |  |  |
| - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 | Teaching Aids: (Tick (√) appropriate boxes) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Video |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Audio |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Handout |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Book Reference |  |  |  | √ |  |  |  | √ |  | √ |  | √ |  |  |  |  |  |  | √ |  |  |  |  |  |  |  |  |  |  |  |
| 4 | Attendance Information: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| No. of Students Absent | 28 | 21 | 22 | 17 | 18 | 7 | 8 | 6 | 11 | 9 | 8 | 8 | 6 | 6 | 10 | 7 | 16 | 19 | 15 | 20 | 15 |  |  |  |  |  |  |  |  |  |
| No. of Students Tardy | 2 | 3 | 4 | 3 | 3 | 4 | 2 | 2 | 2 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 2 | 2 |  |  |  |  |  |  |  |  |  |
| No. of Students Present | 20 | 26 | 24 | 30 | 29 | 39 | 40 | 42 | 36 | 38 | 39 | 38 | 41 | 41 | 36 | 39 | 31 | 28 | 32 | 28 | 33 |  |  |  |  |  |  |  |  |  |
| 5 | Guest Lecturer |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Yes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| No |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Signature Initial |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



Semester Course Report

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| University | ULAB | School | School of Engineering | Department | CSE |
| Semester | Spring | Year | 2018 |

I. Basic Information

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1. | Course Code | | | CSE101 | | | | | |
| 2. | Course Title | | | Introduction to Computer Studies | | | | | |
| 3. | Section | | | 10 | | | | | |
| 4. | Unit/Credit hours: | | | 3 | | | | | |
|  | | | | | | | | | |
| Lectures | | 24 | Tutorial | |  | Practical |  | Total | 24 |
|  | |  |  | |  |  |  |  |  |
| 5. | Course Instructor: | | | Nafees Mansoor, PhD | | | | | |

6. Intended Learning Outcomes:

|  |
| --- |
| 1. **Describe** the concept and components of computing system along with its benefits. |
| 1. **Explain** features and benefits of various technological advancements |
| 1. **Define** a wide range of practical problems as a computational problem |
| 1. **Understand** a real-life problem and **be able** to design and develop systems using pseudocodes and flowcharts. |
| 1. **Introduce** the fundamental concepts of computer programming |

**II. Statistical Information**

|  |  |  |
| --- | --- | --- |
|  | No. | % |
| Sessions Missed | 2 | 8.3 |
| Sessions Made Up |  |  |
| Total Sessions Conducted (excluding midterm & finals) | 22 | 91.7 |

|  |  |  |
| --- | --- | --- |
|  | No. | % |
| Students enrolled | 39 | 100 |
| Students who withdrew | 2 | 5.12 |
| Students who took final exam/project | 33 | 84.6 |
| Students passed | 32 | 82.05 |

|  |  |
| --- | --- |
|  | No. |
| Guest Lecturers Invited | 0 |
| Field Trips Taken | 0 |

|  |  |
| --- | --- |
|  | Average Number Per Session |
| Tardy Students | 5 |
| Absent Students | 7 |

Achievement of students:

|  |  |  |
| --- | --- | --- |
| Letter Grade | No. | % |
| A+ | 0 | 0 |
| A | 4 | 10.2 |
| A- | 5 | 15.38 |
| B+ | 4 | 10.2 |
| B | 2 | 5.1 |
| B- | 5 | 12.8 |
| C+ | 6 | 15.38 |
| C | 3 | 7.69 |
| D | 3 | 7.69 |
| Total | 32 | 82.05 |

III. Professional Information

1. Course topic/content ILO covered

|  |  |  |
| --- | --- | --- |
| Topics Taught | ILO Covered | No. of Sessions |
| Introduction to Computing System | CO1 & CO2 | 2 |
| Number Systems | CO1, CO2 | 4 |
| Hardware and Software | CO1, CO2 | 2 |
| Technological Advancements | CO1, CO2, CO3 | 1 |
| Algorithms, pseudocode and flowcharts | CO1, CO2, CO3, CO4 & CO5 | 4 |
| Introduction to Programming | CO1, CO2, CO3, CO4 & CO5 | 8 |

What percentage of topics/content planned were actually taught? (Please encircle appropriate answer)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1. >90% |  | b. 70-90% |  | c. <70% |  |

If <70%, please write the reason for not teaching all topics/content planned:

|  |
| --- |
|  |

If any topics/contents were taught which were not written in course outline, give reasons in detail:

|  |
| --- |
|  |

1. Teaching and learning methods:

|  |  |  |
| --- | --- | --- |
| **Teaching Methods** | **No.** | **% of Total Session** |
| Lectures | 19 |  |
| Debate |  |  |
| Discussion | 1 |  |
| Presentation | 1 |  |
| Group Work |  |  |
| Others |  |  |
| Active learning: (Please Specify) |  |  |
| **Teaching Aids:** | **No.** | **% of Total Session** |
| Video |  |  |
| Audio |  |  |
| Handout |  |  |

1. Student assessment:

|  |  |  |  |
| --- | --- | --- | --- |
| **SL#** | **Type** | **Description** | **ILO Assessed** |
| 1. | Written Examination | Midterm, Final and Quizzes | 1-5 |
| 2. | Oral Examination | Presentation | 1-5 |
| 3. | Laboratory work |  |  |
| 4. | Projects | Group | 1-5 |
| 5. | Research Papers |  |  |
| 6. | Others (please specify) | Assignment | 1-5 |

Involvement of external evaluator in student assessment

|  |  |  |  |
| --- | --- | --- | --- |
|  | Yes |  | No |

If yes, please explain

|  |
| --- |
|  |

1. Facilities and teaching materials:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SL#** | **Facilities** | **Please rate the following**  **(1-inadequate, 2-adequate to some extent, 3-adequate)** | | |
| **1** | **2** | **3** |
| 1. | Classroom |  |  |  |
| 2. | Projector/Screen |  |  |  |
| 3. | Whiteboard/Marker |  |  |  |
| 4. | Chair/table |  |  |  |
| 5. | Computer (If appropriate) |  |  |  |
| 6. | Laboratory (If appropriate please specify) |  |  |  |
| 7. | Equipment (If appropriate please specify) |  |  |  |

1. List any Inadequacies:

|  |
| --- |
|  |

1. Administrative Constraints

List any difficulties encountered:

|  |
| --- |
|  |

1. Suggestions for Course Enhancement:

|  |
| --- |
| Class size should be reduced. |

|  |  |  |
| --- | --- | --- |
|  |  |  |
| Signature: |  |  |
|  |  |  |
|  |  |  |
| Date: |  |  |