

TEACHER LEVEL ATTAINMENT REPORT/COURSE INFORMATION SHEET

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| --- | --- | --- |
| Program: - Computer Engineering | Class: - BE | Div.: |
| Course Name: - | Course Code: - | Course - |
| Subject Teacher: - | | A.Y.:  SEM- |

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| --- | --- | --- | --- | --- | --- | --- |
| **Teaching Scheme** | | | **Examination Scheme** | | | |
| Theory | Practical | Tutorial | In sem | End- sem | PR | Term Work |
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| **Delivery Method** | | | | | |
| Chalk & Talk | ICT Tools | Group Discussion | Industrial Visit | Expert Talk | Virtual Lab |
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(\* Kindly Tick the Methods conducted for this course, you may add any additional delivery method conducted in above column)

**Program Outcomes:**

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| --- | --- |
| **PO1** | **Engineering knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. |
| **PO2** | **Problem analysis**: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences. |
| **PO3** | **Design/development of solutions**: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations. |
| **PO4** | **Conduct investigations of complex problems**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions. |
| **PO5** | **Modern tool usage**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations. |
| **PO6** | **The engineer and society**: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice. |
| **PO7** | **Environment and sustainability**: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. |
| **PO8** | **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. |
| **PO9** | **Individual and team work**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. |
| **PO10** | **Communication**: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions. |
| **PO11** | **Project management and finance**: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one’s own work, as a member and leader in a team, to manage projects and in multidisciplinary environments. |
| **PO12** | **Life-long learning**: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. |

**PSOs:**

|  |  |
| --- | --- |
| **PSO1** | To demonstrate mathematical and Computer Engineering fundamentals |
| **PSO2** | To adapt modern computer tools and technologies to solve Computer Engineering Problems. |
| **PSO3** | To apply software engineering practices and standards for project management |

After completion of course, student will be able

|  |  |
| --- | --- |
| CO1 | Describe fundamental concepts in software testing such as manual testing, automation testing and software quality assurance. |
| CO2 | Design and Develop project test plan, design test cases, test data, and conduct test operations. |
| CO3 | Apply recent automation tool for various software testing for testing software. |
| CO4 | Apply different approaches of quality management, assurance, and quality standard to software system. |
| CO5 | Apply and analyze effectiveness Software Quality Tools. |
| CO6 | Apply tools necessary for efficient testing framework. |

**Mapping of CO with POs:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| C405D.1 |  |  |  |  |  |  |  |  |  |  |  |  |
| C405D.2 |  |  |  |  |  |  |  |  |  |  |  |  |
| C405D.3 |  |  |  |  |  |  |  |  |  |  |  |  |
| C405D.4 |  |  |  |  |  |  |  |  |  |  |  |  |
| C405D.5 |  |  |  |  |  |  |  |  |  |  |  |  |
| C405D.6 |  |  |  |  |  |  |  |  |  |  |  |  |
| C405D |  |  |  |  |  |  |  |  |  |  |  |  |

**Mapping of COs with PSOs:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Course Outcomes** | PSO1 | PSO2 | PSO3 |
| C405D.1 |  |  |  |
| C405D.2 |  |  |  |
| C405D.3 |  |  |  |
| C405D.4 |  |  |  |
| C405D.5 |  |  |  |
| C405D.6 |  |  |  |
| C405D |  |  |  |

1. **Direct Assessment (90%):**
2. **External Assessment (80%): -**

**Attainment level Vs Target value**

|  |  |
| --- | --- |
| Attainment Level | Description |
| 1 | 50% students scoring more than University Average marks  or target value |
| 2 | 60% students scoring more than University Average marks or target value |
| 3 | 70% students scoring more than University Average marks or target value |

|  |  |  |
| --- | --- | --- |
| Set Target Value | | |
| Theory | PR | Term Work |
|  |  |  |

1. **Internal Assessment (20%): -**

**Attainment level Vs Target value**

|  |  |
| --- | --- |
| Attainment Level | Description |
| 1 | 60% students scoring more than 60% of maximum marks |
| 2 | 70% students scoring more than 60% of maximum marks |
| 3 | 80% students scoring more than 60% of maximum marks |

|  |  |
| --- | --- |
| **Set Target Value** | |
| Unit Test | Term Work |
|  |  |

**Course Outcome Attainment:**

**External Assessment:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Theory (%)** | | | | | |
| CO1 | CO2 | CO3 | CO4 | CO5 | CO6 |
|  |  |  |  |  |  |

**Internal Assessment:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Unit Test (%)** | | | | | |
| CO1 | CO2 | CO3 | CO4 | CO5 | CO6 |
|  |  |  |  |  |  |

**Indirect Assessment:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Course Exit Survey (%)** | | | | | |
| CO1 | CO2 | CO3 | CO4 | CO5 | CO6 |
|  |  |  |  |  |  |

**CO attainment by external assessment**

|  |  |
| --- | --- |
| External assessment tool | CO Attainment |
| TH exam |  |
| Average |  |

**CO attainment by internal assessment**

|  |  |
| --- | --- |
| Internal assessment tool | CO Attainment |
| Unit test |  |
| Average |  |

Direct CO attainment is then computed as

**CO attainment by course exit survey**

|  |  |
| --- | --- |
| Indirect assessment tool | CO Attainment |
| Course exit survey |  |

Overall CO attainment is then computed as

**Result of Evaluation of PO’s:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Course | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| C405D |  |  |  |  |  |  |  |  |  |  |  |  |

**Result of Evaluation of PSO’s:**

|  |  |  |  |
| --- | --- | --- | --- |
| Course | PSO1 | PSO2 | PSO3 |
| C405D |  |  |  |

**Remark:** Target is achieved.

**Observation:** Need to continue the same practice of real time case studies in future.

**Action Plan:** -

**Target Set for A.Y.**

|  |  |  |
| --- | --- | --- |
| Target Value | | |
| Theory | Oral /Practical | Term Work |
|  |  |  |

Course Teacher Module Coordinator

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