

## RIMT UNIVERSITY

NAME OF DEPT.:

**Common for PhD/M.Phil (Course Work)**

1. Subject Code: \_\_\_\_\_ Course Title: **FUNDAMENTALS OF COMPUTERS**

2. Contact Hours: **L: 1 T: 1 P: 02**

3. Examination Duration (Hrs.):

**Theory**

0	1
---	---

**Practical**

0	2
---	---

4. Relative Weight:

**CWA**

40
----

**LWA**

--

**MTE**

--

**ETE**

60
----

**EPE**

--

5. Credits:

0	2
---	---

6. Semester **1**

7. Pre-requisite:

8. Subject Area: **Departmental Course (DC)**

9. Objective: Student will familiar with various concepts of computer fundamentals.

10. Details of the Course:

SI. No	Content
1	<b>Computer Fundamentals:</b> Data and Information, Characteristics of Computers, Various fields of application of Computers, Input-output Devices (Hardware, Software, Human ware and Firmware), Advantages and Limitations of Computer, Block Diagram of Computer, Function of Different Units of Computer, Classification of Computers. Types of Software, Application software and system software. Introduction to Operating System.
2	<b>Word Processor:</b> Various aids useful for thesis writing, adding references to documents, citing a citation in text, macros, hyperlinks, mail-merge etc.
3	<b>Power Point Presentations:</b> PowerPoint, Features of MS PowerPoint Clipping, Design layouts, hyperlinks, tables, insertion of multi-media files, Slide Animation, Slide Shows, Formatting etc. Case study.
4	<b>MS-Excel:</b> Introduction to Electronic Spreadsheets, Feature of MS-Excel, Entering Data, Entering Series, Editing Data, Cell

	Referencing, ranges, Formulae, Functions, Auto Sum, Copying Formula, Formatting Data, Creating Charts, Statistical functions, Sorting Data, Filtering etc.
5	<b>Internet and applications of IT:</b> Program Vs Software, Software Engineering, SDLC, DBMS, Data Models, DFD, Specification Tool: SMARTDRAW. Case Study on DFD.
6	<b>Latest trends in Computing:</b> Cloud computing, Data mining, Data Warehousing, Object Oriented Relational Database Management, Object Oriented Relational Database Management System, Distributed databases Concept, Three tier Client/ Server Architecture, Digital Image Processing, etc.
<b>Total</b>	

### 11. Suggested Books/References

SI. No	Content	Year of Publication
1	Pardeep K. Sinha, Priti Sinha, Computer Fundamentals, BPB Publications.	
2	Rajaraman, V., Fundamental of Computers. Prentice Hall India, New Delhi.	
3	R. S. Salaria, Fundamentals of Computers, Salaria Publishing House	