

**Department of Computer Science and Engineering**  
**Rajiv Gandhi University**  
**Rono Hills, Doimukh**

No.CSE/RGU/Ph.D/2017

Dated: 16/10/2017

## **NOTIFICATION**

This is to notify that the Department of Computer Science and Engineering offer Ph.D course work on Computer Application part has been scheduled w.e.f 23rd October, 2017 (Monday) at 12:30 PM. Duration of the class will 1(one) hour. The classes will be held in the department of Computer Science and Engineering. Therefore, all the interested departments are requested to ask the students to attend the classes as per the schedule given below.

Days	Time
Monday, Wednesday & Friday	12:30 PM to 01:30 PM

(ANI TAGGU)  
Head, CSE

Copy to:

1. Joint Registrar (Aca./Conf.) RGU, for kind information please.
2. ✓ The Sr. System Analyst, RGU with a request to upload the notification in the University website.
3. Deputy Registrar (Admin./Estt.), RGU, for kind information and necessary action please.
4. Notice Board.
5. Office Copy.



(ANI TAGGU)  
Head, CSE

Head  
Computer Science & Engineering  
Rajiv Gandhi University  
Rono Hills, Itanagar.

# Syllabus for Ph.D. Course Work

## Computer Application

### Unit – I: Computer Basic

#### 1. Computer Fundamental

Hardware and Software. Functional units comprising a typical computer configuration: input/output, fixed and removable data storage, internal storage, control and arithmetic/logic unit. The concepts relating to execution speed, data access times, storage capacities and similar comparative aspects of hardware performance.

Operating Systems, Windows, Linux etc. Application software, role and functions of commonly available applications

Computer Network Concept- Data communication and network terminology, IP address and its significance, Internet, Multimedia, WWW, FTP, E-mail, Web pages. Concept of VPNs, Corporate Networks. Concept of Network security and management.

#### 2. Computer Application

##### 2.1 Microsoft word

Creating and editing documents, formatting text and paragraph, formatting documents, creating and formatting tables, illustration documents with graphics, creating a web page, mail merge and document merging, working with styles and templates, developing multi-page documents, integrating word with other applications, exploring advance graphics, building forms, working with charts and diagrams

##### 2.2 Microsoft Excel

Building and editing worksheets, formatting a worksheet, working with charts, working with formulas and functions, managing workbooks and preparing them for the web, automating worksheet tasks with macros, using lists, analyzing list data, enhancing charts and worksheets Using analysis tools, analyzing data with pivot tables, exchanging data with other programs.

##### 2.3 Microsoft PowerPoint

Creating a presentation with Microsoft PowerPoint, modifying a presentation, inserting objects into presentation , finishing a presentation, working with advanced tools and masters, enhancing charts, inserting illustration, objects and media clips, using advanced features.

### Unit – II: Statistical Analysis

The analysis will be done with the help of SPSS, ILIWis and other statistical packages. The syllabus includes the following topics:

Descriptive: Mean, median, mode, standard deviation using SPSS

Correlation, Regression

Test – T, Z,  $\chi$  test

ANOVA

### Unit – III: RS/GIS

Application of Remote Sensing (RS) software and Geographical Information system (GIS) software

*[Signature]*  
16/10/2017  
Head  
Computer Science & Engineering  
Rajiv Gandhi University  
Rono Hills, Itanagar