

**Punyashlok Ahilyadevi Holkar Solapur University, Solapur**



NAAC Accredited-2015  
'B' Grade (CGPA 2.62)

**Name of the Faculty: Science & Technology**

**CHOICE BASED CREDIT SYSTEM**

**Syllabus: Information and Computer Technology**

**Name of the Course: Ph. D. Course Work Paper No. 2(A)**

**(Syllabus to be implemented from w.e.f. June 2021)**

**Punyashlok Ahilyadevi Holkar Solapur University, Solapur**

**Ph. D. Course Work Syllabus Paper No. 2 (A) ICT VO. 2**

**Course/Paper -2 A (Information and Computer Technology)**

|   |  |            |
|---|--|------------|
| Unit-I  | <p><b>General</b><br/>           a) Definition of ICT, Related Concepts &amp; Terminologies b) Information Processing Cycle. c) Uses of ICT Tools, Impact of ICT on Educational, Social &amp; Economic Development.</p> <p>Use of Various Components of ICT in research :Usage of Internet ; Information Collection; Information Storage ; Inf/Data retrieval; Computational Tools and Various Software for Research Communication ; Computer and Information Technology based communications with Guide and Other researchers</p>   | 06 Hrs.    |
|   |  | 0.5 Credit |
|   |  | 10 Marks   |
| Unit-II   | <p><b>Components of Information Communication Technology (ICT)</b><br/> <b>Impact factor, e-information Patents:</b> Agencies, National /International, procedure for filing, e-submission. International publications: notes, letters/communications, full papers Reviews, h-index, Citation index, Research Gate, Google scholar and other web based units to enhance the spreading of research outcomes.</p> <p><b>Online Survey Tools:</b> Google forms and Survey Monkey etc.<br/>           Collaborative Data Collection and Writing tools like Google Sheet and Docs</p> | 12 Hrs.    |
|   |  | 01 Credit  |
|   |  | 20 Marks   |
| Unit-III  | <p><b>Applications part to research report presentation, etc. ——— :</b><br/> <b>WORD PROCESSING</b> a) Word Processing package &amp; uses in creating Document &amp; Saving Document, b) Editing Text in Word Processing Document, c) Formatting Word Processing Document d) Inserting Tables &amp; Symbols in word, Bibliographic support software.<br/>           Brief Introduction giving usage details of Presentation Software and Spreadsheets</p>  | 06 Hrs.    |
|   |  | 0.5 Credit |
|   |  | 10 Marks   |
| Total Credit = 02 ; Total Marks = 40 UA + 10 CA ; Total Hrs. = 24 |  |            |