Even Semester Lesson Plan Bcom II CAV

Subject Programming in Java

Teacher name: Dr. Surjeet Singh

April 2021

|  |
| --- |
| Introduction to Java- features of Java- object oriented concepts- data types – variables- arraysoperators-  control statements- input and output- scanner and system - class print(), printIn(), printf()  methods; |

May 2021

|  |
| --- |
| Class- objects- constructors- overloading method- access control- static and fixed methodsinner  classes- string class- inheritance. |

June 2021

|  |
| --- |
| GUI components- common GUI event types and listener interfaces - Joptionpane – Jlabel – JtextField –  Jbutton – JcheckBox - JTextarea – JcomboBox – Jlist – Jpannel - Mouse Event Handling – Adapter  Classes - Key Event Handling. |

July 2021

|  |
| --- |
| Layout Managers – Flow layout, Borderlayout, Gridlayout - Graphics and Java 2D - Graphics contexts  and Graphics objects - Color control - Font Control – Drawing Lines, Rectangles and ovals - JSlider-  Using menus with frames |

Even Semester Lesson Plan Bcom II CAV

Subject : Advanced Computer Applications

Teacher name: Dr. Surjeet Singh

April 2021

|  |
| --- |
| Networking: fundamentals, LAN/MAN/WAN, topologies, transmission media, ISDN, B-ISDN,  protocols- TCP/IP, OSI, ATM, internet services; hardware and software requirements for internet;  browsers- internet explorer, mozilla firefox, opera, google chrome; search engines; webpage. |

May 2021

|  |
| --- |
| Information technology application in business, E-business, net banking; online purchasing and selling;  online banking, electronic payment systems- an overview. |

June 2021

|  |
| --- |
| E-governance- concept and examples. digitalization of services – income tax, digital lockers, etc. E-disha,  etc., linking AADHAR to service – issues and impact. |

July 2021

|  |
| --- |
| Social and ethical aspects of IT. Cyber Laws – IT Act 2000, impact of IT on other laws concerning  business; cyber security – threats, anti-virus software, firewalls, etc. |