Department of Software Development (B.Voc.)

PSOs & COs of the Programme

Skills and knowledge are the driving forces of economic growth and social development for any country. Countries with higher and better levels of skills adjust more effectively to the challenges and opportunities of world of work. This programme is designed to cater the demands of professionally trained human resource in the field of Software Development. The programme is highly relevant for all those who want to pursue a professional career in software development.

Aim: The programme aims to build individual capacities and train persons with adequate employability skills. The programme structure attempts to blend appropriate technical knowledge and skills, personal and professional skills and substantive 'hands-on' and field / site experience required in the trade. Keeping in view the demands of the market and to provide flexible options for students the programme is designed in modular manner and allows entry and exit options at various levels. The learners will have flexibility to develop themselves according to their strengths and career interests.

Objective: The objective of this program is to prepare students to undertake careers involving skills and problem solving using programming techniques and technologies. Curriculum for this program covers most of the foundational aspects of IT Sector and also focus on the software developing skills.

Program Structure: The course is divided into Six semesters (from level V to level VII) and One bridge course will simultaneously conduct with level V in first year.

Program outcome: The whole course is focused on the Skill of software development. After completing the course the student can opt for the career in the programming and software development.

➢ **Outcome of first year**

If the student opts for the exit at this point then the Student will be awarded Diploma in IT (SD) Student can have employability opportunities in the following fields:

• Office Assistant

• Programming Assistant

• Technical Assistant

• Hardware Technician

• Computerized Accounting Operator

• DTP Operator

> **Outcome of second year**

If the student opts for the exit at this point then the Student will be awarded Advance Diploma in IT (SD). In addition to the opportunities mentioned in 1st Year Exit the Student can have employability opportunities in the following fields:

• Assistant Programmer

• Network Maintenance Supervisor

• Database Operator

• Lab Instructor

• Web Designer

> **Outcome of third year**

At the End of third year the Student will be awarded degree in B.Voc IT (SD). In addition to the opportunities mentioned in 1st and 2nd Year Exit the Student can have employability opportunities in the following fields:

• Programmer

• ASP Developer

• Server Administrator

• Android Application Developer

• Software Project Analyst

• ERP Consultant

• Software Tester

• Animation Developer

➢ **Students will be awarded of Diploma:**

1. Student shall be required to appear in examinations of all courses. However, to award the Diploma (Software Development) a student shall be required to earn a minimum of 60 credits.

➢ **Students will be awarded of Advanced Diploma:**

1. Student shall be required to appear in examinations of all courses. However, to award the Advanced Diploma (Software Development) a student shall be required to earn a minimum of 120 credits.

➢ **Students will be awarded of B.Voc Degree:**

1. Student shall be required to appear in examinations of all courses. However, to award the degree a student shall be required to earn a minimum of 180 credits.