# Schemes and Syllabus

(For academic session 2023-24 & onwards)

# **B. Voc. in Computer Application**



Atal Shiksha Nagar (Kallujhanda), P.O. Mandhala, Village- Nanakpura, Pinjore-Nalagarh highway, District- Solan, Himachal Pradesh- 174103

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### **SECTION 1 Program Outcomes and Program Specific Outcomes**

**PO1:-**Understand, analyze and develop computer programs in the areas related to algorithm, web design and networking for efficient design of computer based system.

**PO2:-**Work in the IT sector as system engineer, software tester, junior programmer, web developer, system administrator, software developer etc.

**PO3:-**Apply standard software engineering practices and strategies in software project development using open source programming environment to deliver a quality of product for business success

**PO4:-** Work effectively with a range of current, standard, Office Productivity software applications.

**PO5:-** Evaluate, select and use office productivity software appropriate to a given situation.

**PO6:-** Apply basic adult learning and assessment principles in the design, development, and presentation of material produced by office productivity applications.

**PO7:-** Apply basic adult learning and assessment principles in the design, development, and presentation of material produced by office productivity applications.

**PO8:-** Apply basic adult learning and assessment principles in the design, development, and presentation of material produced by office productivity applications.

**PO9:-** Demonstrate employability skills and a commitment to professionalism.

## **SECTION 2**

### Semester wise Scheme

Course Code	Course Title	L	Т	Р	СН	СР	Int. A	ESE	Total
B. Voc. Computer Application -101	Basics of Computer	4	-	-	4	4	40	60	100
B. Voc. Computer Application -102	It Foundation and Programming	4	-	-	4	4	40	60	100
B. Voc. Computer Application -103	Advance Programming	4	-	-	4	4	40	60	100
B. Voc. Computer Application 104	OJT-I (On Job Training NSQF Level- 4)	-	-	36	36	18	300	200	500
	TOTAL	12	-	36	48	30	480	320	800

#### **First Semester**

#### Second Semester

Course Code	Course Title	L	Т	Р	СН	СР	Int. A	ESE	Total
B. Voc. Computer Application -201	Professional Communication	4	-	-	4	4	40	60	100
B. Voc. Computer Application -202	Operating System	4	-	-	4	4	40	60	100
B. Voc. Computer Application -203	Data Structure	4	-	-	4	4	40	60	100
B. Voc. Computer Application 204	OJT-II (On Job Training NSQF Level- 5)	-	-	36	36	18	300	200	500
	TOTAL	12	-	36	48	30	480	320	800

#### **Third Semester**

Course Code	Course Title	L	Т	Р	СН	СР	Int. A	ESE	Total
B. Voc. Computer Application -301	Environment Studies	4	-	-	4	4	40	60	100
B. Voc. Computer Application -302	Web Designing	4	-	-	4	4	40	60	100
B. Voc. Computer Application -303	Data Minning	4	-	-	4	4	40	60	100
B. Voc. Computer Application 304	OJT-III (On Job Training)	-	-	36	36	18	300	200	500
	TOTAL	12	-	36	48	30	480	320	800

#### **Fourth Semester**

Course Code	Course Title	L	Т	Р	СН	СР	Int. A	ESE	Total
B. Voc. Computer Application -401	Human Values & Ethics	4	-	-	4	4	40	60	100
B. Voc. Computer Application -402	Oops with Java	4	-	-	4	4	40	60	100
B. Voc. Computer Application -403	Multimedia tools and Applications	4	-	-	4	4	40	60	100
B. Voc. Computer Application 404	OJT-IV (On Job Training NSQF Level- 6)	-	-	36	36	18	300	200	500
	TOTAL	12	-	36	48	30	480	320	800

#### **Fifth Semester**

Course Code	Course Title	L	Т	Р	СН	СР	Int. A	ESE	Total
B. Voc. Computer Application -501	Disaster Management	4	-	-	4	4	40	60	100
B. Voc. Computer Application -502	Network Configuration	4	-	-	4	4	40	60	100
B. Voc. Computer Application -503	Andriod Programming	4	-	-	4	4	40	60	100
B. Voc. Computer Application 504	OJT-V (On Job Training)	-	-	36	36	18	300	200	500
	TOTAL	12	-	36	48	30	480	320	800

Course Code	Course Title	L	Т	Р	СН	СР	Int. A	ESE	Total
B. Voc. Computer Application -601	Current Affairs	4	-	-	4	4	40	60	100
B. Voc. Computer Application -602	Andriod Programming - II	4	-	-	4	4	40	60	100
B. Voc. Computer Application -603	Digital Logic and Processor	4	-	-	4	4	40	60	100
B. Voc. Computer Application 604	OJT-VI (On Job Training NSQF Level-7)	-	-	36	36	18	300	200	500
	TOTAL	12	-	36	48	30	480	320	800

#### Sixth Semester