Programmes Offered:

1. Bachelor of Applications(B.C.A)

   Note: 1T indicates theory lecture of 1 hr.

   1P indicates practical lecture of 2 hrs per batch (2 batches per division)

Programme Structure for Semester I & II

Semester I			
Course Type	**Course Code**	**Course Title**	**Credits**
Major	CSA-100	Problem Solving and Programming	**(3T+ 1P)**
Minor	**MAT-111**	**Elementary Mathematics**	4
Multidisciplinary (Any 1)	COM-133	Marketing for Beginners	3
	ECO-131	Sustainable Development	3
Ability Enhancement Course	ENG-151	Communicative English Spoken and Written	2
Skill Enhancement Course	CSA-142	Python Programming	(1T + 2P)
Value Added Course -1 (Any one)	VAC-101	Environmental Studies I	2
	VAC-112	E-Waste Management	2
Value Added course– 2 (Any one)	VAC-103	Environmental Practices in Goa	2
	VAC-113	Green Energy Systems	2
Total Credits			**20**
Semester II			
Course Type	**Course Code**	**Course Title**	**Credits**
Major	CSC-100	Computer Organisation	(3T+ 1P)
Minor	MAT-112	Elementary Statistics	4
Multidisciplinary (Any 1)	COM-138	Management of Micro, Small and Medium Enterprises	3
	COM-137	Tourism and Hospitality Management	3
Ability Enhancement course	ENG-152	Digital Content Creation in English	2
Skill Enhancement Course	CSA-143	Data Analytics using Spreadsheets	**(**1T + 2P)

Value Added course– 3 (Any one)	VAC-102	Environmental Studies-II	2
	VAC-117	Life Skills	2
Value Added Course – 4 (Any one)	VAC-115	Health and Wellness	2
	VAC-114	Health and Physical Education	2
Total Credits			**20**

Semester III			
Course Type	**Course Code**	**Course Title**	**Credits**
Major	CSA-200	Data Structures	(3T+ 1P)
	CSA-201	Database Management Systems	(3T+ 1P)
Minor	CSA-211	Reasoning Techniques	4 (3T+1 Tutorial)
Multidisciplinary (Any 1)	**COM-231**	Fundamentals of Event Management	3
	COM-233	Business Ethics and Governance	3
Ability Enhancement Course (Any one)	MIL-1	Hindi	2
	MIL-2	Konkani	2
	MIL-3	Marathi	2
Skill Enhancement (Any 1)	CSA-241	Multimedia Applications	3 (1T+2P)
		Total Credits	**20**

Semester IV			
Course Type	**Course Code**	**Course Title**	**Credits**
Major	CSA-202	Web App Development	(3P + 1T)
	CSA-203	Agile Methodologies	(3T+1P)
	CSA-204	Object Oriented Concepts	(3T+1P)
	CSA-205	Web Technology	(2T)

Minor	CSA-223	Advanced JavaScript	(3T + 1 P)
Ability Enhancement Course (Any 1)	MIL-1	Hindi	2
	MIL-2	Konkani	2
	MIL-3	Marathi	2
Total Credits			**20**

Semester V

Course Code	Course Title	Course Credits	AY
CAC-117	Web Technology	4(T)	2021-22
CAC-118	Information Systems	4(T)	2021-22
CAC-119	Web Technology Laboratory	2(P)	2021-22
DSE-501	DSE To be selected by College from the approved list	4(3T+1P)	
DSE-502		4(3T+1P)	
CAP-101	Project		2021-22
	Total (Semester V)	18	

Semester VI

Course Code	Course Title	Course Credits	AY
CAC-120	Multimedia Technology	4(T)	2021-22
CAC-121	E-Commerce Applications	4(T)	2021-22
CAC-122	Multimedia Technology Laboratory	2(P)	2021-22
DSE-601	DSE To be selected by College from the approved list	4(3T+1P)	
DSE-602		4(3T+1P)	
CAP-101	Project	4	2021-22
	Total(Semester VI)	22	
	Overall BCA credits	132	