BON SECOURS COLLEGE FOR WOMEN (AUTONOMOUS)

Nationally Accredited with 'A++' Grade by NAAC
Affiliated to Bharathidasan University, Tiruchirappalli
UGC Recognized 2(f) and 12(B) Institution
Vilar Bypass, Thanjavur – 613006, Tamil Nadu

DEPARTMENT OF INFORMATION TECHNOLOGY

PARTII- STRUCTUREOFTHECURRICULUM

Distribution of Courses, Credits and ContactHours
Generic (Cluster): Computer Studies
Programme: B.Sc., Information Technology
Supportive Disciplines: Mathematics and Physics

Part	Type of Courses	Total No. of Courses	Credits per Course	Total Credits	Total Contact Hours	Percentage
I	Language:Tamil/Hindi	4	3	12	24	8.57
II	English	4	3	12	24	8.57
III	**Allied(Compulsory)**					
	Theory	4	3	12	16	77.16
	Laboratory/Practice	2	2	4	8	
	Core(Compulsory)					
	Generic/Cluster Core - Theory	4	4	16	16	
	Generic/Cluster Core - Laboratory	2	2	4	8	
	DisciplineCentric Core-Theory	8	4	32	34	
	DisciplineCentric Core Laboratory	4	2	8	16	
	Field work	1	2	2	-	
	Internship	1	2	2	-	
	Project	1	5	5	5	
	Elective(Optional)					
	Generic/Cluster Elective	1	4	4	4	
	DisciplineCentric Elective: Theory	2	4	8	8	
	Discipline Centric Elective:Laboratory	1	2	2	4	
	Open(Inter-disciplinary)Elective Theory	1	3	3	3	
	Ability(Skill)Enhancement					
	LifeSkills	1	2	2	2	
	SoftSkills	1	2	2	2	
	TechnicalSkills	1	2	2	2	
IV	**Foundation**					
	CompulsoryCourse	1	2	2	2	2.85
	OptionalCourse	1	2	2	2	

V	Co-curricularActivities	1	1	1	-	2.85
	Extra-curricular Activities	1	1	1	-	
	ExtensionActivities	1	1	1	-	
	Community Engagement	1	1	1	-	
	Total	**49**	**1 -5**	**140**	**180**	**100**

Programme:B.Sc., Information Technology.,

Semester-wiseDistributionofCourses,CreditsandContactHours

Sem	Part	Course Type	Course Code	Course Title	Contact Hrs.	Credits	Total Marks
I	I	Language Tamil / Hindi	24UGT101/ 24UGA101	Tamil Illakkiya Varalaru-I/ Basic Arabic - I	6	3	100
	II	English	24UGE201	General English - I	6	3	100
	III	Generic/Cluster Core I	24UCP401	Principles of ProgrammingwithC	4	4	100
		Generic/Cluster Core II	24UCP402	Digital Computer Fundamentals	4	4	100
		Generic/Cluster CoreLaboratory I	24UCP451	Principles of ProgrammingwithCLab	4	2	100
		AlliedCourseI	24UMA301	Introduction to Discrete Mathematics	4	3	100
	IV	Foundation Course	24UFO901	Value Education	2	2	100
Total					**30**	**21**	**700**
II	I	Language Tamil / Arabic	24UGT102/ 24UGA102	Tamil Illakkiya Varalaru – II / Grammar and Translation	6	3	100
	II	English	24UGE202	General English - II	6	3	100
	III	Discipline Centric Core III	24UIT501	Relational Database Management Systems	4	4	100
		Discipline Centric Core Laboratory II	24UIT551	Relational Database Management Systems Lab	4	2	100
		Allied Course II	24UMA302	Operations Research	4	3	100
		Allied Practice I	24UMA351	Numerical Analysis and Statistics Practice	4	2	100
			24UIT591	Field Work	-	2	100
	IV	Foundation Course	24UFC905	Environmental Studies	2	2	100
Total					**30**	**21**	**800**
III	I	Language Tamil / Arabic	24UGT103/ 24UGA103	Tamilaga Varalarum Panpadum / Prose and Poetry	6	3	100
	II	English	24UGE203	General English - III	6	3	100
	III	Generic/Cluster Core - IV	24UCP403	Python Programming	4	4	100

		Generic/Cluster Core Course - V	24UCP404	Data Structures and Algorithms	4	4	100
		Generic/Cluster Core Laboratory III	24UCP452	Python Programming Lab	4	2	100
		Allied Course III	24UPH303	Semi-Conductor Devices and its Applications	3	3	100
	IV	Ability Enhancement	24UAB361	Life Skills Management	2	2	100
	V		24UHW951	Health & Wellness	1	1	100
Total					**30**	**22**	**800**
IV	I	Language Tamil / Arabic	24UGT104/ 24UGA104	Tamilum Ariviyalum/ Arabic Language Skills and Literary History	6	3	100
	II	English	24UGE204	General English - IV	6	3	100
	III	Discipline Centric Core VI	24UIT502	Distributed Operating System	4	4	100
		Discipline Centric Core Laboratory IV	24UIT552	Linux Lab	4	2	100
		Allied CourseIV	24UPH304	Digital Circuits and Memories	4	3	100
		Allied Laboratory II	24UPH352	Digital Electronics Lab	4	2	100
			24UIT592	Internship	-	2	100
	IV	Ability Enhancement	24UAB371	Soft and Quantitative Skills	2	2	100
Total					**30**	**21**	**800**
V	III	Discipline Centric Core VII	24UIT503	Computer Networks	4	4	100
		Discipline Centric Core VIII	24UIT504	Cloud Computing Technologies	4	4	100
		Discipline Centric Core IX	24UIT505	Java Network Programming	4	4	100
		Discipline Centric Core X	24UIT506	IoT Systems and Device Sensor Networks	4	4	100
		Discipline Centric Core Laboratory V	24UIT553	Java Network Programming Lab	4	2	100
		Discipline Centric Elective I	-	Choose a knowledge course from any one track	4	4	100

		Discipline Centric Elective Laboratory I	-	Choose a skill course from the selected track	4	2	100
	IV	Ability Enhancement	24UIT381	Network Based Prompt Design and Optimization	2	2	100
Total					**30**	**26**	**800**
VI	III	Discipline Centric Core XI	24UIT507	Dynamic Web Technology	5	4	100
		Discipline Centric Core XII	24UIT508	Software Engineering and Technology	5	4	100
		Discipline Centric Core Laboratory VI	24UIT554	Dynamic Web Technology Lab	4	2	100
		Generic/ Cluster Elective I	-	Choose a generic elective course offered by either the Computer Science or BCA departments.	4	4	100
		Discipline Centric Elective II	-	Choose a professional course from the selected track	4	4	100
			24UIT593	Project	5	5	100
		Open (Interdisciplinary) Elective I	-	Courses offered by IT Department to students outside Computer Studies Department. The students from CS and BCA cannot take those courses.	3	3	100
Total					**30**	**26**	**700**
	V			Co-curricularActivities	-	1	-
				Extra-curricular Activities	-	1	-
				ExtensionActivities	-	1	-
					-	**3**	-