

PARK'S COLLEGE (AUTONOMOUS) – TIRUPPUR

Department of Computer Science

Scheme of Curriculum for BCA based on CBCS 2016-2017 and onwards

Sem	Part	Type	Sub. Code	Subject & Paper	HRS per week	CIA	ESE	Max mark	Exam Hours	Credit
I SEMESTER	I	L1		Language Paper – I	5	25	75	100	3	3
	II	E1		English Paper – I	5	25	75	100	3	3
	III	C1		C Programming	4	25	75	100	3	5
		CP1		C Programming Lab	3	40	60	100	3	5
		C2		Digital Computer Fundamentals	4	25	75	100	3	5
		AL1		Mathematics – I: - Mathematical Structure For Computer Science	5	25	75	100	3	5
	IV	FCA		General Awareness	2	----	50	50	3	1
		FCD		Soft Skills	2	----	----	----	----	----
II SEMESTER	I	L2		Language Paper – II	5	25	75	100	3	3
	II	E2		English Paper – II	5	25	75	100	3	3
	III	C3		Java Programming	4	25	75	100	3	5
		CP2		Java Programming Lab	3	40	60	100	3	5
		C4		Fundamentals of Data Structures	4	25	75	100	3	5
		AL2		Mathematics - II: - Probability & Statistics	5	25	75	100	3	5
	IV	FCB		Human Rights And Constitution Of India	2	-	50	50	3	1
	IV	FCD		Soft Skills	2	----	----	----	----	----
III SEMESTER	III	C5		Relational Database Management System	6	25	75	100	3	5
		CP3		RDBMS Lab	4	40	60	100	3	5
		C6		Client / Server Techniques	6	25	75	100	3	4
		AL3		Microprocessor Architecture & Applications	6	25	75	100	3	5
		SB1		Multimedia & Its Applications	4	25	75	100	3	2
	IV	OL01		Other Language - I	2	25	75	100	3	2
		FCD		Soft Skills	2	----	----	----	----	----

Sem	Part	Type	Sub. Code	Subject & Paper	HRS per week	CIA	ESE	Max mark	Exam Hours	Credit
IV SEMESTER	III	C7		HTML & Web Design	6	25	75	100	3	5
		CP4		Web Designing Lab	4	40	60	100	3	5
		AL4		Business Accounting	6	25	75	100	3	5
		SB2		Computer Networks	6	25	75	100	3	2
	IV	SBP1		Tally Lab	4	40	60	100	3	2
		OL02		Other Language – II	2	25	75	100	3	2
		FCD		Soft Skills	2	----	----	----	----	----
V	EA		Extension Activities	-----	-----	-----	-----	-----	-----	
V SEMESTER	III	C8		VB.Net Programming	6	25	75	100	3	5
		CP5		VB.Net Programming Lab	4	40	60	100	3	5
		C9		Software Engineering	6	25	75	100	3	4
	IV	SB3		Elective - I	6	25	75	100	3	2
		SBP2		Animation Lab	4	40	60	100	3	2
		FCC		Environmental Studies	2	-	50	50	3	1
		FCD		Soft Skills	2	----	----	----	----	----
VI SEMESTER	III	C10		PHP Programming	6	25	75	100	3	5
		CP6		PHP programming Lab	4	40	60	100	3	5
		C11		Operating Systems	6	25	75	100	3	4
		CPV		Elective – II : - Project Viva-Voce	6	20	80	100	----	5
	IV	SB4		Elective - III	6	25	75	100	3	2
		FCD		Soft Skills	2	-	50	50	3	2
TOTAL					180			3600		140

List of Elective Papers for Vth Semester (Can choose any one of the Paper)

ELECTIVE I

1.	TCP / IP Protocol Suite
2.	Cloud Computing
3.	Analysis, Architecture & Design of Networks

List of Elective Papers VIth Semester (Can choose any one of the Area & to do their project)

ELECTIVE II: - Project Viva-Voce

1.	Application Based Projects
2.	System Based Projects
3.	Embedded Based Projects

List of Elective Papers for VIth Semester (Can choose any one of the Paper)

ELECTIVE III

1.	Fundamentals of Android Application Development
2.	Data Mining & Warehousing
3.	Cryptography and Network Security

Other Papers Offered by the Department to Earn Extra Credits

1. **Wireless Application Protocol.**
2. **Digital Image Processing.**

Subject		Marks	Credits
Part I		200	6
Part II		200	6
Part III	Core / Project / Elective	1800	87
	Allied	400	20
Part IV	Skill Based	600	12
	Other Language	200	4
	Value Based	200	5
Part V	Extension	Grade Only	0
Total		3600	140