

ALAGAPPA UNIVERSITY, KARAIKUDI
NEW SYLLABUS UNDER CBCS PATTERN (w.e.f.2017-18)

B.Sc. ELECTRONICS AND COMMUNICATION – PROGRAMME STRUCTURE

Sem.	Part	Course Code	Title of the Course	Cr.	Hrs./ Week	Max. Marks		
						Int.	Ext.	Total
I	I	711T	Tamil/Other languages – I	3	6	25	75	100
	II	712E	English – I	3	6	25	75	100
	III	7BEC1C1	Core – I – Basic Electronics	4	6	25	75	100
		7BEC1P1	Core – II – Basic Electronics Lab	4	6	40	60	100
			Allied – I (Theory only) (or) Allied – I (Theory cum Practical)	5 4	5 3	25 15	75 60	100 75
			Allied Practical – I	-	2**	--	--	---
	IV	7NME1A / 7NME1B / 7NME1C	(1) Non-Major Elective – I – (A)jkpo;nkhopapd; mbg;gilfs;/ (B),f;fhy ,yf;fpak;/ (C) Communicative English	2	1	25	75	100
		Total (Allied Theory only)	21	30	--	--	600	
		Total (Allied Theory cum Practical)	20				575	
II	I	721T	Tamil/Other languages – II	3	6	25	75	100
	II	722E	English – II	3	6	25	75	100
	III	7BEC2C1	Core – III– Digital Electronics	4	6	25	75	100
		7BEC2P1	Core –IV –Digital Electronics lab	4	5	40	60	100
			Allied – II (Theory only) (or) Allied– II (Theory cum Practical)	5 4	5 3	25 15	75 60	100 75
			Allied Practical – I	2	2	20	30	50
	IV	7BES2	(3) Environmental Studies	2	2	25	75	100
		Total (Allied Theory only)	21	30	--	--	600	
		Total (Allied Theory cum Practical)	22				625	
III	I	731T	Tamil/Other languages – III	3	6	25	75	100
	II	732E	English – III	3	6	25	75	100
	III	7BEC3C1	Core–V–Linear Integrated Circuits	4	5	25	75	100
		7BEC3P1	Core – VI – Analog Circuits Lab	4	5	40	60	100
			Allied–III(Theory only) (or) Allied–III(Theory cum Practical)	5 4	5 3	25 15	75 60	100 75
			Allied Practical – II	-	2**	--	--	---
	IV	7NME3A/ 7NME3B/ 7NME3C	(1) Non-major Elective– II– (A),yf;fpaKk; nkhopg;gad;ghLk; (B) goe;jkpo; ,yf;fpaq;fSk; ,yf;fpa tuyhWk;/ (C) Effective Employability Skills	2	1	25	75	100
	IV	7SBS3A1/ 7SBS3A2/ 7SBS3A3	(2) Skill Based Subjects – I	2	2	25	75	100
V	7BEA3	Extension Activities	1	--	100	--	100	
		Total (Allied Theory only)	24	30	--	--	800	
		Total (Allied Theory cum Practical)	23				775	

IV	I	741T	Tamil/Other languages – IV	3	6	25	75	100
	II	742E	English – IV	3	6	25	75	100
	III	7BEC4C1	Core – VII – Communication Electronics	4	5	25	75	100
		7BEC4P1	Core –VIII –Communication Lab	4	4	40	60	100
			Allied – IV (Theory only) (or)	5	5	25	75	100
			Allied– IV (Theory cum Practical)	4	3	15	60	75
			Allied Practical – II	2	2	20	30	50
	IV	7SBS4B1/ 7SBS4B2/ 7SBS4B3	(2) Skill Based Subjects – II	2	2	25	75	100
7BVE4/ 7BMY4/ 7BWS4		(4) Value Education / Manavalakalai Yoga / Women’s Studies	2	2	25	75	100	
		Total (Allied Theory only)	23	30	--	--	700	
		Total (Allied Theory cum Practical)	24				725	
V	III	7BEC5C1	Core–IX– Optical Communication	4	5	25	75	100
		7BEC5C2	Core–X–8085 – Microprocessor	4	5	25	75	100
		7BEC5P1	Core – XI – Microprocessor Lab	4	6	40	60	100
		7BEC1E1/ 7BEC1E2	Elective – I – A) Antenna and Wave Propagation (or) B) Embedded Systems	5	5	25	75	100
		7BEC2E1/ 7BEC2E2	Elective – II – A) Satellite Communication System (or) B) Electronics in Everyday life	5	5	25	75	100
		IV	7SBS5A4/ 7SBS5A5/ 7SBS5A6/ 7SBS5A7	(2) Skill Based Subjects – I	2	2	25	75
			(2) Skill Based Subjects – I	2	2	25	75	100
			Total	26	30	--	--	700
VI	III	7BEC6C1	Core – XII – Computer Networks	4	5	25	75	100
	III	7BEC6C2	Core – XIII – 8051 Microcontroller	4	5	25	75	100
	III	7BEC6P1	Core –XIV– Microcontroller Lab	4	6	40	60	100
	III	7BEC6C4	Core –XV- Bio Medical Electronics	4	5	25	75	100
	III	7BECEPR	Elective–III–Project (Compulsory)	5	5	25	75	100
	IV	7SBS6B4/ 7SBS6B5/ 7SBS6B6/ 7SBS6B7	(2) Skill Based Subjects – II	2	2	25	75	100
		(2) Skill Based Subjects – II	2	2	25	75	100	
		Total	25	30	--	--	700	
		Grand Total	140	180	--	--	4100	

**** University Examinations will be held in the Even Semesters only.**