

Basaveshwar Engineering College, Bagalkote
B.E I - Semester Scheme of Teaching and Examinations
(Academic year 2022-23)

I - Semester (Electronics & Communication Engg. Stream)

Branches: EC and EE

(Physics Group)

Sl. No.	Course			TD	Teaching (Hours/Week)				Examination				Credits
	Category	Code	Title		Theory Lecture	Tutorial	Practical/ Drawing	SDA	Duration in hours	CIE Marks	SEE Marks	Total Marks	
1.	ASC (IC)	22UMA101C	Mathematics for Electrical Sciences - I	Maths	3	0	2	0	3	50	50	100	4
2.	ASC (IC)	22UPH105C	Physics for Electrical Sciences	Physics	3	0	2	0	3	50	50	100	4
3.	ESC	22UEC113C	Basic Electronics*	EC Dept	3	0	0	0	3	50	50	100	3
		22UEE115C	OR Elements of Electrical Engineering**	EE Dept									
4.	ESC - I	22UXXXXXN	Engineering Science Course - I	Respective Engg. Dept	2	0	2	0	3	50	50	100	3
5.	ETC - I	22UXXXXXB	Emerging Technology Course - I	Any Engg. Dept	3	0	0	0	3	50	50	100	3
6.	HSSC	22UHS124C	Communicative English	Humanities	1	0	0	0	1	50	50	100	1
7.	HSSC	22UHS125C	Constitution of India	Humanities	1	0	0	0	1	50	50	100	1
8.	AEC	22UHS128C	Scientific Foundations of Health	Any Dept	1	0	0	0	1	50	50	100	1
Total					17		6	0		400	400	800	20
SDA : Skill Development Activities TD : Teaching Department ASC : Applied Science Course ESC : Engineering Science Courses ETC : Emerging Technology Course AEC : Ability Enhancement Course HSSC : Humanities & Social Science Course SDC : Skill Development Course IC : Integrated Course (Theory & Lab integrated) CIE : Continuous Internal Evaluation SEE : Semester End Examination													

*Electronics and communication Engineering students have to study compulsorily

**Electrical and Electronic Engineering students have to study compulsorily

Student's Induction Program (SIP):

The objective is to provide newly admitted students i) a broad understanding of society, relationships and values. ii) Knowledge & skill of his/her study, iii) to nurture character as an essential quality by which he/she shall understand and fulfill the responsibility as an engineer.

Activities : Creative Arts, Universal Human Values, Literary, Proficiency Modules, Physical Activity, Lectures by Eminent People, Visits to Local areas, Familiarization with Department/Branch and Innovation, etc.

AICTE Activity Points (AAP): (For details refer to Chapter 6, AICTE Activity Point Program, Model Internship Guidelines)

To be earned by all students admitted to BE program over and above the academic grades. A regular student admitted to 4 years Degree program and also through lateral entry shall earn 100 and 75 Activity Points respectively for the award of degree. Students transferred from other Universities to the V semester are required to earn 50 Activity Points from the year of entry. The Activity Points earned shall be reflected in the student's VIII semester Grade Card. The activities can be spread over the course duration, any time during the semester weekends and holidays, as per the convenience of a student from the year of entry to the program. However, the minimum duration (number of hours) should be fulfilled. Activity Points (non-credit) do not affect SGPA/CGPA and shall not be considered for vertical progression. In case students fail to earn the prescribed AAP, the VIII Semester Grade Card shall be issued only after earning the required points. A Student shall be eligible for the award of the degree only after the release of the VIII semester Grade Card.

(ESC - I) Engineering Science Courses - I					(ETC - I) Emerging Technology Courses – I				
Code	Title	L	T	P	Code	Title	L	T	P
22UME122N	Introduction to Mechanical Engineering	3	0	0	22UEC134B	Introduction to Embedded Systems	3	0	0
22UCV118N	Introduction to Civil Engineering	3	0	0	22UEC135B	Introduction to Communication Technology	3	0	0
22UEE116N	Introduction to Electrical Engineering	3	0	0	22UEE136B	Renewable Energy Sources	3	0	0
22UEC114N	Introduction to Electronics Engineering	3	0	0	22UCV138B	Green Buildings	3	0	0
22UCS120N	Introduction to 'C' Programming	2	0	2	22UCV139B	Waste Management	3	0	0
					22UCS140B	Introduction to Internet of Things (IOT)	3	0	0
					22UCS141B	Introduction to Cyber Security	3	0	0
					22UME142B	Composite Materials	3	0	0
					22UME143B	Introduction to Robotics	3	0	0
					22UBT148B	Biomass and Bio-energy	3	0	0
(PLC - I) Programming Language Courses - I					NOTE: The student has to, i) Select one course from ESC - I group ii) Select one course from either ETC - I or PLC - I group iii) Opt for the courses from ESC-I group without repeating the course either in 1 st or 2 nd semester iv) EEE Students shall opt for any one of the courses from the ESC-I group except, 22UEE116N - Introduction to Electrical Engineering v) ECE students shall opt any one of the courses from ESC - I except 22EC114N - Introduction to Electronics Engineering				
Code	Title	L	T	P					
22UCS130B	Introduction to Web Programming	2	0	2					
22UCS131B	Introduction to Python Programming	2	0	2					
22UCS132B	Basics to JAVA programming	2	0	2					
22UCS133B	Introduction to C++ Programming	2	0	2					

The course 22UCS120E/220E, Introduction to C Programming and all courses under PLC and ETC groups can be taught by faculty of ANY

Basaveshwar Engineering College, Bagalkote

B.E II - Semester Scheme of Teaching and Examinations

(Academic year 2022-23)

II - Semester (Electronics & Communication Engg. Stream)

Branches: EC and EE

(Chemistry Group)

Sl. No.	Course			TD	Teaching (Hours/Week)				Examination				Credits
	Category	Code	Title		Theory Lecture	Tutorial	Practical/ Drawing	SDA	Duration in hours	CIE Marks	SEE Marks	Total Marks	
1.	ASC (IC)	22UMA201C	Mathematics for Electrical Sciences - II	Maths	3	0	2	0	3	50	50	100	4
2.	ASC (IC)	22UCH209C	Chemistry for Electrical Sciences	Chemistry	3	0	2	0	3	50	50	100	4
3.	ESC	22UME223C	CAED	Civil / Mechanical	2	0	2	0	3	50	50	100	3
4.	ESC - I	22UXXXXXN	Engineering Science Course - I	Respective Engg. Dept	3	0	0	0	3	50	50	100	3
5.	PLC - I	22USXXXXB	Programming Language Course-I	Any Engg. Dept	2	0	2	0	3	50	50	100	3
6.	HSSC	22UHS224C	Professional Writing Skills in English	Humanities	1	0	0	0	1	50	50	100	1
7.	HSSC	22UHS226C 22UHS227C	Samskruthika Kannada* Balake Kannada**	Humanities	1	0	0	0	1	50	50	100	1
8.	AEC	22UHS229C	Innovation and Design Thinking	Any Dept.	1	0	0	0	1	50	50	100	1
Total					16		8	0		400	400	800	20

SDA : Skill Development Activities

TD : Teaching Department

ASC : Applied Science Course

ESC : Engineering Science Courses

ETC : Emerging Technology Course

AEC : Ability Enhancement Course

HSSC : Humanities & Social Science Course

SDC : Skill Development Course

IC : Integrated Course (Theory & Lab integrated)

CIE : Continuous Internal Evaluation

SEE : Semester End Examination

*The student who has studied Kannada language as one of the subjects either in 10th, 12th std. or PUC - II has to register

** The student who has not studied Kannada language as one of the subjects either in 10th, 12th std. or PUC - II has to register

Student's Induction Program (SIP):

The objective is to provide newly admitted students i) a broad understanding of society, relationships and values. ii) Knowledge & skill of his/her study, iii) to nurture character as an essential quality by which he/she shall understand and fulfill the responsibility as an engineer.

Activities : Creative Arts, Universal Human Values, Literary, Proficiency Modules, Physical Activity, Lectures by Eminent People, Visits to Local areas, Familiarization with Department/Branch and Innovation, etc.

AICTE Activity Points (AAP): (For details refer to Chapter 6, AICTE Activity Point Program, Model Internship Guidelines)

To be earned by all students admitted to BE program over and above the academic grades. A regular student admitted to 4 years Degree program and also through lateral entry shall earn 100 and 75 Activity Points respectively for the award of degree. Students transferred from other Universities to the V semester are required to earn 50 Activity Points from the year of entry. The Activity Points earned shall be reflected in the student's VIII semester Grade Card. The activities can be spread over the course duration, any time during the semester weekends and holidays, as per the convenience of a student from the year of entry to the program. However, the minimum duration (number of hours) should be fulfilled. Activity Points (non-credit) do not affect SGPA/CGPA and shall not be considered for vertical progression. In case students fail to earn the prescribed AAP, the VIII Semester Grade Card shall be issued only after earning the required points. A Student shall be eligible for the award of the degree only after the release of the VIII semester Grade Card.

(ESC - I) Engineering Science Courses - I					(ETC - I) Emerging Technology Courses - I				
Code	Title	L	T	P	Code	Title	L	T	P
22UME222N	Introduction to Mechanical Engineering	3	0	0	22UEC234B	Introduction to Embedded Systems	3	0	0
22UCV218N	Introduction to Civil Engineering	3	0	0	22UEC235B	Introduction to Communication Technology	3	0	0
22UEE216N	Introduction to Electrical Engineering	3	0	0	22UEE236B	Renewable Energy Sources	3	0	0
22UEC214N	Introduction to Electronics Engineering	3	0	0	22UCV238B	Green Buildings	3	0	0
22UCS220N	Introduction to 'C' Programming	2	0	2	22UCV239B	Waste Management	3	0	0
					22UCS240B	Introduction to Internet of Things (IOT)	3	0	0
					22UCS241B	Introduction to Cyber Security	3	0	0
					22UME242B	Composite Materials	3	0	0
					22UME243B	Introduction to Robotics	3	0	0
					22UBT248B	Biomass and Bio-energy	3	0	0

(PLC - I) Programming Language Courses - I					NOTE: The student has to, i) Select one course from ESC - I group ii) Select one course from either ETC - I or PLC - I group iii) Opt for the courses from ESC-I group without repeating the course either in 1 st or 2 nd semester iv) EEE Students shall opt for any one of the courses from the ESC-I group except, 22UEE216N - Introduction to Electrical Engineering v) ECE students shall opt any one of the courses from ESC - I except 22EC214N - Introduction to Electronics Engineering
Code	Title	L	T	P	
22UCS230B	Introduction to Web Programming	2	0	2	
22UCS231B	Introduction to Python Programming	2	0	2	
22UCS232B	Basics to JAVA programming	2	0	2	
22UCS233B	Introduction to C++ Programming	2	0	2	

If the student studies a subject from ETC - I in 1st semester, then he/she has to select the course from PLC - I in the 2nd semester and vice-versa