Curriculum

For

B.Sc. (Honours) Electronics

Submitted to

KAZI NAZRUL UNIVERSITY

Under

Choice Based Credit System
(From Session 2016-2017)

Department of Electronics
Kazi Nazrul University
Asansol West Bengal

Department of Electronics, Kazi Nazrul University, Asansol

Curriculum for B.Sc. Honours in Electronics [Choice Based Credit System]

Semester-I

Sr. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			credit
				L	T	P	
1	Mathematical Methods -I & Solid State Electronics -I	Core Course-I		5	1	0	6
2	Classical Mechanics & Thermal and Statistical Physics	Core Course-II		5	1	0	6
3	GE-I	GE					4
4	GE-I Lab	GE					2
5	EVS	AECC					4
						Total Credit =22	

Semester-II

Sr. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			credit
				L	T	P	
1	Electromagnetics	Core Course III		5	1	0	6
2	Network Analysis and Circuit Theory	Core Course-IV		4	0	0	4
3	Network Analysis and Circuit Theory Lab - I	Core Course-IV Practical		0	0	4	2
5	GE-II	GE					4
6	GE-II Lab	GE					2
7	Eng/MIL	AECC					2
						Total Credit =20	

Semester-III

Sr. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			credit
				L	T	P	
1	Mathematical Methods – II & Quantam Mechanics	Core Course-V		5	1	0	6
2	Solid State Electronics - II	Core Course-VI		5	0	1	6
5	Analog Electronics - I	Core Course VII		4	0	0	4
6	Analog Electronics - I Lab -II	Core Course-VII Practical		0	0	4	2
7	GE-III	GE					4
8	GE-III Lab	GE					2
9	SEC -I	AEEC-I					2
						Total Credit =26	

Semester-IV

Sr. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			credit
				L	T	P	
1	Analog Electronics - II	Core Course-VIII		4	0	0	4
2	Analog Electronics - II Lab - III	Core Course-VIII Practical		0	0	4	2
3	Digital Electronics - I	Core Course IX		4	0	0	4
4	Digital Electronics - I Lab - IV	Core Course-IX Practical		0	0	4	2
5	Electronic Communication	Core Course X		5	1	0	6
6	GE-IV	GE					4
7	GE-IV Lab	GE					2
8	SEC -II	AEEC-II					2
						Total Credit = 26	

Semester-V

Sr. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			credit
				L	T	P	
1	Digital Electronics - II	Core Course-XI		4	0	0	4
2	Digital Electronics - II Lab - V	Core Course-XI Practical		0	0	4	2
3	Optical Communication	Core Course XII		5	0	1	6
5	DSE -I	DSE-I					4
6	DSE –I / Lab	DSE-I					2
7	DSE -II	DSE-II					4
8	DSE –II Lab	DSE-II					2
						Total Credit = 24	

Semester-VI

Sr. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			credit
				L	T	P	
1	Instrumentation and Measurements	Core Course-XIII		4	0	0	4
2	Instrumentation and Measurements Lab - VI	Core Course-XIII Practical		0	0	4	2
3	Sensors, Transducers and Electronic Materials	Core Course XIV		5	1	0	6
4	DSE -III	DSE-III					4
5	DSE –III Lab	DSE-III					2
6	Project/Dissertation	DSE-IV					6
						Total Credit =24	

Total Credit: 142

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For

B.Sc. Programme with Electronics

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Department of Electronics
Kazi Nazrul University
Asansol, West Bengal

2016

Department of Electronics, Kazi Nazrul University, Asansol

Curriculum For B.Sc. with Electronics [Choice Based Credit System]

Semester-I

Sr. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			credit
				L	T	P	
1	DSC 1A (Circuit Theory & Network Analysis)	Core Course-I		4	0	0	4
2	DSC 1A Lab - I (Circuit Theory &Network Analysis)	Core Course-I Practical		0	0	4	2
3	DSC 2A [other discipline]	Core Course-II					6
4	DSC 3A [other discipline]	Core Course-III					6
5	EVS	AECC					4
						Total Credit =22	

Semester-II

Sr. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			credit
				L	T	P	
1	DSC 1B (Solid State Electronics)	Core Course-IV		4	0	0	4
2	DSC 1B Lab - II (Solid State Electronics)	Core Course-IV Practical		0	0	4	2
3	DSC 2B [other discipline]	Core Course-V					6
4	DSC 3B [other discipline]	Core Course-VI					6
5	English	AECC					2
						Total Credit =20	

Semester-III

Sr. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			credit
				L	T	P	
1	DSC 1C (Electronic Communication)	Core Course-VII		5	1	0	6
2	DSC 2C [other discipline]	Core Course-VIII					6
3	DSC 3C [other discipline]	Core Course-IX					6
4	Skill enhancement Course [Electronics]	SEC-I					2
						Total Credit =20	

Semester-IV

Sr. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			credit
				L	T	P	
1	DSC 1D (Analog Electronics)	Core Course X		4	0	0	4
2	DSC 1D Lab - III (Analog Electronics)	Core Course-X Practical		0	0	4	2
3	DSC 2D [other discipline]	Core Course-XI					6
4	DSC 3D [other discipline]	Core Course-XII					6
5	Skill enhancement Course [Electronics]	SEC-2					2
						Total Credit =20	

Semester-V

Sr. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			credit
				L	T	P	
1	Skill enhancement Course [Electronics]	SEC-3					2
2	Discipline Specific Elective-1 (Theory) [Elctronics]	DSE -1A					4/5
	Lab / Tutorial [Electronics]	DSE-1A Practical					2/1
3	Discipline Specific Elective-2 (Theory)	DSE -2A					4/5
	Lab / Tutorial	DSE-2A					2/1
4	Discipline Specific Elective-3 (Theory)	DSE -3A					4/5
	Lab / Tutorial	DSE-3A					2/1
						Total Credit =20	

Semester-VI

Sr. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			credit
				L	T	P	
1	Skill enhancement Course [Electronics]	SEC-4					2
2	Discipline Specific Elective-4 (Theory) [Electronics]	DSE -1B					4/5
	Lab / Tutorial	DSE-1B					2/1
3	Discipline Specific Elective-5 (Theory)	DSE -2B					4/5
	Lab / Tutorial	DSE-2B					2/1
4	Discipline Specific Elective-6 (Theory)	DSE -3B					4/5
	Lab / Tutorial	DSE-3B					2/1
						Total Credit =20	

Total Credit: 122