



**S**ARALA  
**B**IRLA  
**U**NIVERSITY

Established under the Sarala Birla University Act 2017 Govt. of Jharkhand as per Section 2(f) of UGC Act. 1956

**CURRICULUM  
FOR  
Diploma  
in  
Electronics & Communication Engineering**

**(Based on UGC & AICTE- CBCS)**

**Effective from 2020-21**

## Definition of Credit

1 Hr. Lecture (L) Per Week	1 Credit
1 Hr. Tutorial (T) Per Week	1 Credit
1 Hr. Practical (P) Per Week	0.5 Credit
2 Hr. Practical (P) Per Week	1 Credit

## Course Code Definitions

Course Code	Definitions
BSC-D	Basic Science Course
ESC-D	Engineering Science Course
HSMC-D	Humanities and Social Sciences including Management Course
ECCA-D	Extra Co-Curricular Activities
MC-D	Mandatory Course
PCC-ECE-D	Professional Core Course
PEC-ECE-D	Professional Electives Course
OEC-D	Open Electives Course
ECE-DP1	Project Stage-I
ECE-DP2	Project Stage-II
ECE-DP3	Project Stage-III
ECE-DSI-I	Summer internship-I
ECE-DSI-II	Summer internship-II

**Structure of Electronics & Communication  
Engineering(Diploma)  
(Breakup of Credits)**

Sl. No.	Category	Credits
1	Humanities and Social Sciences including Management courses	13
2	Basic Science courses	19
3	Engineering Science courses including workshop, drawing, basics of electrical/mechanical/computer etc	14
4	Professional core courses	42
5	Professional Elective courses relevant to chosen specialization/branch	15
6	Open subjects – Electives from other technical and /or emerging subjects	10
7	Project Work	8
9	Summer Internship	5
10	Extra Co-Curricular Activities	2
11	Mandatory Courses	2
<b>Total Credits:</b>		<b>130</b>

<b>CREDITS DISTRIBUTION (SEMESTER-WISE AND COURSE-WISE )</b>											
<b>Semester</b>	<b>HSMC</b>	<b>BSC</b>	<b>ESC</b>	<b>PCC</b>	<b>PEC</b>	<b>OEC</b>	<b>PROJECT</b>	<b>ECCA</b>	<b>SUMMER INTERNSH IP</b>	<b>MC</b>	<b>Total Credit Semester-wise</b>
<b>1st</b>	3	7	5.5	0	0	0	0	1	0	2	<b>18.5</b>
<b>2nd</b>	2	12	8.5	0	0	0	0	1	0	0	<b>23.5</b>
<b>3rd</b>	2	0	0	19	0	0	0	0	2	0	<b>23</b>
<b>4th</b>	2	0	0	11	7	0	2	0	0	0	<b>22</b>
<b>5th</b>	0	0	0	12	4	10	2	0	3	0	<b>31</b>
<b>6th</b>	4	0	0	0	4	0	4	0	0	0	<b>12</b>
<b>Total Credit Course- wise</b>	<b>13</b>	<b>19</b>	<b>14</b>	<b>42</b>	<b>15</b>	<b>10</b>	<b>8</b>	<b>2</b>	<b>5</b>	<b>2</b>	<b>130</b>
<b>Total Credit</b>											<b>130</b>

**HUMANITIES AND SOCIAL SCIENCES INCLUDING  
MANAGEMENT COURSE**

Sl. No.	Course Code	Course Title	Hours per week			Credits	Preferred Semester
			L	T	P		
1	HSMC-D101	Communication Skills in English	2	0	0	2	I
2	HSMC-D102	Communication Skills in English Lab	0	0	2	1	I
3	HSMC-D103	Technical English	2	0	0	2	II
4	HSMC-D104	French Through Communicative Approach-I	2	0	0	2	III
5	HSMC-D105	French Through Communicative Approach-II	2	0	0	2	IV
6	HSMC-D106	Entrepreneurship & Startups	3	1	0	4	VI
<b>Total Credits:</b>						<b>13</b>	

## BASIC SCIENCE COURSES

Sl. No.	Course Code	Course Title	Hours Per Week			Credits	Preferred Semester
			L	T	P		
1	BSC-D101	Applied Physics-I	2	1	0	3	I
2	BSC-D102	Applied Physics Lab-I	0	0	2	1	I
3	BSC-D103	Applied Physics-II	2	1	0	3	II
4	BSC-D104	Applied Physics Lab-II	0	0	2	1	II
5	BSC-D105	Applied Chemistry	2	1	0	3	II
6	BSC-D106	Applied Chemistry Lab	0	0	2	1	II
7	BSC-D107	Mathematics-I	2	1	0	3	I
8	BSC-D108	Mathematics-II	3	1	0	4	II
<b>Total Credits:</b>						<b>19</b>	

## ENGINEERING SCIENCE COURSES

Sl. No.	Course Code	Course Title	Hours per week			Credits	Preferred Semester
			L	T	P		
1	ESC-D101	Introduction to IT Systems	2	1	0	3	I
2	ESC-D102	Introduction to IT Systems Lab	0	0	2	1	I
3	ESC-D103	Engineering Workshop Practice	0	0	3	1.5	I
4	ESC-D104	Fundamentals of Electrical & Electronics	2	1	0	3	II
5	ESC-D105	Fundamentals of Electrical & Electronics Lab	0	0	2	1	II
6	ESC-D106	Engineering Graphics	0	0	3	1.5	II
7	ESC-D107	Engineering Mechanics	2	1	0	3	II
<b>Total Credits:</b>							<b>14</b>

## Professional Core Courses

**Branch: Electronics & Communication Engineering (Diploma)**

Sl. No.	Course Code	Course Title	Hrs. /Week L: T: P	Credits	Preferred Semester
1	PCC-ECE-D201	Analog & Digital Communication System	02:01:00	3	III/IV
2	PCC-ECE-D202	Analog & Digital Communication Lab	00:00:02	1	III/IV
3	PCC-ECE-D203	Electronic Devices & Circuits	02:01:00	3	III/IV
4	PCC-ECE-D204	Electronic Devices & Circuits Lab	00:00:02	1	III/IV
5	PCC-ECE-D205	Digital Electronics	02:01:00	3	III/IV
6	PCC-ECE-D206	Digital Electronics Lab	00:00:02	1	III/IV
7	PCC-ECE-D207	Measurements & Instrumentation	02:01:00	3	III/IV
8	PCC-ECE-D208	Measurements & Instrumentation Lab	00:00:02	1	III/IV
9	PCC-ECE-D209	Electric Circuit Analysis	02:01:00	3	III/IV
10	PCC-ECE-D210	Electric Circuit Analysis Lab	00:00:02	1	III/IV
11	PCC-ECE-D211	Microprocessor & Microcontroller	02:01:00	3	III/IV
12	PCC-ECE-D212	Microprocessor & Microcontroller Lab	00:00:02	1	III/IV
13	PCC-ECE-D213	Consumer Electronics	02:01:00	3	III/IV
14	PCC-ECE-D214	Wind Power Technologies	02:01:00	3	III/IV
15	PCC-ECE-D215	Wind Power Technologies Lab	00:00:02	1	III/IV

**Total Credits: 31**

## Professional Core Courses

**Branch: Electronics & Communication Engineering (Diploma)**

Sl. No.	Course Code	Course Title	Hrs. /Week L: T: P	Credits	Preferred Semester
1	PCC-ECE-D301	Embedded Systems	02:01:00	3	V/VI
2	PCC-ECE-D302	Embedded Systems Lab	00:00:02	1	V/VI
3	PCC-ECE-D303	Fiber Optics Communication	02:01:00	3	V/VI
4	PCC-ECE-D304	Fiber Optics Communication Lab	00:00:02	1	V/VI
5	PCC-ECE-D305	Computer Networking	02:01:00	3	V/VI
6	PCC-ECE-D306	Computer Networking Lab	00:00:02	1	V/VI

**Total Credits: 12**



## Professional Elective Courses

**Branch: Electronics & Communication Engineering (Diploma)**

Sl. No.	Course Code	Course Title	Hrs./ Week L: T: P	Credits	Preferred Semester
1	PEC-ECE-D201	Electronic Equipment Maintenance	02:01:00	3	III/IV
2	PEC-ECE-D202	Simulation Software	02:01:00	3	III/IV
3	PEC-ECE-D203	Linear Integrated Circuits	02:01:00	3	III/IV
4	PEC-ECE-D204	Linear Integrated Circuits Lab	00:00:02	1	III/IV

## Professional Elective Courses

**Branch: Electronics & Communication Engineering (Diploma)**

Sl. No.	Course Code	Course Title	Hrs./ Week L: T: P	Credits	Preferred Semester
1	PEC-ECE-D301	Industrial Automation	02:01:00	3	V/VI
2	PEC-ECE-D302	Industrial Automation Lab	00:00:02	1	V/VI
3	PEC-ECE-D303	Control System	02:01:00	3	V/VI
4	PEC-ECE-D304	Control System Lab	00:00:02	1	V/VI
5	PEC-ECE-D305	Microwave Engineering	02:01:00	3	V/VI
6	PEC-ECE-D306	Microwave & Antenna Measurement Lab	00:00:02	1	V/VI
7	PEC-ECE-D307	Optical Communication & Networking	02:01:00	3	V/VI
8	PEC-ECE-D308	Optical Communication & Networking Lab	00:00:02	1	V/VI

## Open Elective Courses

Branch: Electronics & Communication Engineering(Diploma)

Sl. No.	Course Code	Course Title	Hrs./ Week L: T: P	Credits
1	OEC-EEE-D307	Solar Power Technologies	03:00:00	3
2	OEC-EEE-D308	Solar Power Technologies Lab	00:00:02	1
3	OEC-EEE-D317	Renewable Energy Technologies	03:00:00	3
4	OEC-CSE-D319	Fudamental of Artificial Intelligence	03:00:00	3

## Mandatory Courses

Sl. No.	Course Code	Course Title	Hours per week			Credits	Preferred Semester
			L	T	P		
1	MC-D101	Induction Programme	0	0	0	0	I
2	MC-D102	Environmental Science	2	0	0	2	III
3	MC-D103	Values & Ethics	2	0	0	0	III
4	MC-D104	PDP-I	2	0	0	0	I
5	MC-D105	PDP-II	2	0	0	0	II
6	MC-D106	PDP-III	2	0	0	0	III
7	MC-D107	PDP-IV	2	0	0	0	IV
8	MC-D108	PDP-V	2	0	0	0	V
9	MC-D109	PDP-VI	2	0	0	0	VI
<b>Total Credits:</b>						<b>2</b>	

### Extra Co-Curricular Activities

Sl. No.	Course Code	Course Title	Hours per week			Credits	Preferred Semester
			L	T	P		
1	ECCA-D101	Sports & Yoga-I	0	0	2	1	I
2	ECCA-D102	Sports & Yoga-II	0	0	2	1	II
<b>Total Credits:</b>						<b>2</b>	

# Summer Internship

Branch: Electronics & Communication Engineering (Diploma)

Sl. No.	Course Code	Course Title	Hrs. /Week L: T: P	Credits	Preferred Semester
1	ECE-DSI-I	Summer Internship-I	00:00:00	2	Summer Internship- (4 weeks after II Sem)
2	ECE-DSI-II	Summer Internship-II	00:00:00	3	Summer Internship- (6 weeks after IV Sem)
<b>Total Credit:</b>				<b>5</b>	

# Project Work

**Branch: Electronics & Communication Engineering (Diploma)**

Sl. No.	Course Code	Course Title	Hrs. /Week L: T: P	Credits	Preferred Semester
1	ECE-DP1	Project Stage-I (Mini Project)	00:00:04	2	IV
2	ECE-DP2	Project Stage-II (Minor Project)	00:00:04	2	V
3	ECE-DP3	Project Stage-III (Major Project Work & Dissertation)	00:00:08	4	VI
<b>Total Credit:</b>				<b>8</b>	

# COURSE STRUCTURE

## SEMESTER-I (FIRST YEAR)

**Branch: Electronics & Communication Engineering (Diploma)**

Sl. No.	Category	Course Code	Course Title	Hours			Credit	Marks		
				L	T	P		IA	ESE	Total
<b>Theory</b>										
1	Basic Science Course	BSC-D101	Applied Physics-I	2	1	0	3	30	70	100
2	Basic Science Course	BSC-D107	Mathematics-I	2	1	0	3	30	70	100
3	Humanities and Social Sciences including Management Course	HSMC-D101	Communication Skills in English	2	0	0	2	30	70	100
4	Engineering Science Course	ESC-D101	Introduction to IT Systems	2	1	0	3	30	70	100
<b>Total(A)</b>							<b>11</b>	<b>120</b>	<b>280</b>	<b>400</b>
<b>Practical/Drawing/Design</b>										
1	Basic Science Course	BSC-D102	Applied Physics Lab-I	0	0	2	1	30	20	50
2	Engineering Science Course	ESC-D102	Introduction to IT Systems Lab	0	0	2	1	30	20	50
3	Humanities and Social Sciences including Management Course	HSMC-D102	Communication Skills in English Lab	0	0	2	1	30	20	50
4	Engineering Science Course	ESC-D103	Engineering Workshop Practice	0	0	3	1.5	30	20	50
<b>Total(B)</b>							<b>4.5</b>	<b>120</b>	<b>80</b>	<b>200</b>
<b>Mandatory Courses/Extra Co-Curricular Activities Courses</b>										
1	Mandatory Course	MC-D101	Induction Programme	0	0	0	0	0	0	0
2	Mandatory Course	MC-D102	Environmental Science	2	0	0	2	30	70	100
3	Extra Co-Curricular Activities Course	ECCA-D101	Sports & Yoga-I	0	0	2	1	30	20	50
4	Mandatory Course	MC-D104	PDP-I	2	0	0	0	0	0	0
<b>Total(C)</b>							<b>3</b>	<b>60</b>	<b>90</b>	<b>150</b>
<b>Grand Total (A+B+C)</b>							<b>18.5</b>	<b>300</b>	<b>450</b>	<b>750</b>
<b>L-Lecture, T-Tutorial, P-Practical</b> <b>IA- Internal Assessment, ESE-End Semester Examination</b>										

# COURSE STRUCTURE

## SEMESTER-II (FIRST YEAR)

**Branch: Electronics & Communication Engineering (Diploma)**

Sl. No.	Category	Course Code	Course Title	Hours			Credit	Marks		
				L	T	P		IA	ESE	Total
<b>Theory</b>										
1	Basic Science Course	BSC-D105	Applied Chemistry	2	1	0	3	30	70	100
2	Basic Science Course	BSC-D108	Mathematics-II	3	1	0	4	30	70	100
3	Humanities and Social Sciences including Management Course	HSMC-D103	Technical English	2	0	0	2	30	70	100
4	Basic Science Course	BSC-D103	Applied Physics-II	2	1	0	3	30	70	100
5	Engineering Science Course	ESC-D107	Engineering Mechanics	2	1	0	3	30	70	100
6	Engineering Science Course	ESC-D104	Fundamentals of Electrical & Electronics	2	1	0	3	30	70	100
<b>Total(A)</b>							<b>18</b>	<b>180</b>	<b>420</b>	<b>600</b>
<b>Practical/Drawing/Design</b>										
1	Basic Science Course	BSC-D106	Applied Chemistry Lab	0	0	2	1	30	20	50
2	Basic Science Course	BSC-D104	Applied Physics Lab-II	0	0	2	1	30	20	50
3	Engineering Science Course	ESC-D105	Fundamentals of Electrical & Electronics Lab	0	0	2	1	30	20	50
4	Engineering Science Course	ESC-D106	Engineering Graphics	0	0	3	1.5	30	20	50
<b>Total(B)</b>							<b>4.5</b>	<b>120</b>	<b>80</b>	<b>200</b>
<b>Mandatory Courses/Extra Co-Curricular Activities Courses</b>										
1	Extra Co-Curricular Activities Course	ECCA-D102	Sports & Yoga-II	0	0	2	1	30	20	50
2	Mandatory Course	MC-D105	PDP-II	2	0	0	0	0	0	0
<b>Total(C)</b>							<b>1</b>	<b>30</b>	<b>20</b>	<b>50</b>
<b>Grand Total (A+B+C)</b>							<b>23.5</b>	<b>330</b>	<b>520</b>	<b>850</b>
<b>L-Lecture, T-Tutorial, P-Practical</b> <b>IA- Internal Assessment, ESE-End Semester Examination</b>										



# COURSE STRUCTURE

**SEMESTER-III (2nd YEAR)**

**Branch: Electronics & Communication Engineering (Diploma)**

Sl. No.	Category	Course Code	Course Title	Hours			Credit	Marks		
				L	T	P		IA	ESE	Total
<b>Theory</b>										
1	Professional Core Course	PCC-ECE-D201	Analog & Digital Communication System	3	0	0	3	30	70	100
2	Professional Core Course	PCC-ECE-D203	Electronic Devices & Circuits	3	0	0	3	30	70	100
3	Professional Core Course	PCC-ECE-D205	Digital Electronics	2	0	0	2	30	70	100
4	Professional Core Course	PCC-ECE-D207	Measurements & Instrumentation	3	0	0	3	30	70	100
5	Professional Core Course	PCC-ECE-D209	Electric Circuit Analysis	2	1	0	3	30	70	100
6	Humanities & Social Sciences including Management Course	HSMC-D104	French Through Communicative Approach-I	2	0	0	2	30	70	100
<b>Total(A)</b>							<b>16</b>	<b>180</b>	<b>420</b>	<b>600</b>
<b>Practical/Drawing/Design</b>										
1	Professional Core Course	PCC-ECE-D202	Analog & Digital Communication Lab	0	0	2	1	30	20	50
2	Professional Core Course	PCC-ECE-D204	Electronic Devices & Circuits Lab	0	0	2	1	30	20	50
3	Professional Core Course	PCC-ECE-D208	Measurements & Instrumentation Lab	0	0	2	1	30	20	50
4	Professional Core Course	PCC-ECE-D210	Electric Circuits Analysis Lab	0	0	2	1	30	20	50
5	Professional Core Course	PCC-ECE-D206	Digital Electronics Lab	0	0	2	1	30	20	50
6	Summer Internship	ECE-DSI-I	Summer Internship-I	0	0	0	2	75	25	100
<b>Total(B)</b>							<b>7</b>	<b>225</b>	<b>125</b>	<b>350</b>
<b>Mandatory Courses/Extra Co-Curricular Activities Courses</b>										
1	Mandatory Course	MC-D106	PDP-III	2	0	0	0	0	0	0
<b>Total(C)</b>							<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Grand Total (A+B+C)</b>							<b>23</b>	<b>405</b>	<b>545</b>	<b>950</b>
<b>L-Lecture, T-Tutorial, P-Practical</b> <b>IA- Internal Assessment, ESE-End Semester Examination</b>										

# COURSE STRUCTURE

**SEMESTER-IV (2nd YEAR)**

**Branch: Electronics & Communication Engineering (Diploma)**

Sl. No.	Category	Course Code	Course Title	Hours			Credit	Marks		
				L	T	P		IA	ESE	Total
<b>Theory</b>										
1	Professional Core Course	PCC-ECE-D211	Microprocessor & Microcontroller	3	0	0	3	30	70	100
2	Professional Core Course	PCC-ECE-D213	Consumer Electronics	3	0	0	3	30	70	100
3	Professional Core Course	PCC-ECE-D214	Wind Power Technologies	3	0	0	3	30	70	100
4	Professional Elective Course	PEC-ECE-D201	Electronic Equipment Maintenance	2	1	0	3	30	70	100
5	Professional Elective Course	PEC-ECE-D203	Linear Integrated Circuits	3	0	0	3	30	70	100
6	Humanities and Social Sciences including Management Course	HSMC-D105	French Through Communicative Approach-II	2	0	0	2	30	70	100
<b>Total(A)</b>							<b>17</b>	<b>180</b>	<b>420</b>	<b>600</b>
<b>Practical/Drawing/Design</b>										
1	Professional Core Course	PCC-ECE-D212	Microprocessor & Microcontroller	0	0	2	1	30	20	50
2	Professional Core Course	PCC-ECE-D215	Wind Power Technologies Lab	0	0	2	1	30	20	50
3	Professional Elective Course	PEC-ECE-D204	Linear Integrated Circuits Lab	0	0	2	1	30	20	50
4	Project Work	ECE-DP-I	Project Stage-I (Mini Project)	0	0	4	2	75	25	100
<b>Total(B)</b>							<b>5</b>	<b>165</b>	<b>85</b>	<b>250</b>
<b>Mandatory Courses/Extra Co-Curricular Activities Courses</b>										
1	Mandatory Course	MC-D103	Values & Ethics	2	0	0	0	0	0	0
2	Mandatory Course	MC-D107	PDP-IV	2	0	0	0	0	0	0
<b>Total(C)</b>							<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Grand Total (A+B+C)</b>							<b>22</b>	<b>345</b>	<b>505</b>	<b>850</b>
<b>L-Lecture, T-Tutorial, P-Practical</b> <b>IA- Internal Assessment, ESE-End Semester Examination</b>										

# COURSE STRUCTURE

**SEMESTER-V (3rd YEAR)**

**Branch: Electronics & Communication Engineering (Diploma)**

Sl. No.	Category	Course Code	Course Title	Hours			Credit	Marks		
				L	T	P		IA	ESE	Total
<b>Theory</b>										
1	Professional Core Course	PCC-ECE-D301	Embedded Systems	3	0	0	3	30	70	100
2	Professional Core Course	PCC-ECE-D303	Fiber Optics Communication	3	0	0	3	30	70	100
3	Open Elective Course	PCC-ECE-D305	Computer Networking	3	0	0	3	30	70	100
4	Professional Elective Course	PEC-ECE-D305	Microwave Engineering	3	0	0	3	30	70	100
5	Open Elective Course	OEC-EEE-D307	Solar Power Technologies	3	0	0	3	30	70	100
<b>Total(A)</b>							<b>15</b>	<b>150</b>	<b>350</b>	<b>500</b>
<b>Practical/Drawing/Design</b>										
1	Professional Elective Course	PCC-ECE-D302	Embedded Systems Lab	0	0	2	1	30	20	50
2	Open Elective Course	OEC-EEE-D308	Solar Power Technologies Lab	0	0	2	1	30	20	50
3	Professional Core Course	PCC-ECE-D304	Fiber Optics Communication Lab	0	0	2	1	30	20	50
4	Professional Core Course	PCC-ECE-D306	Computer Networking Lab	0	0	2	1	30	20	50
5	Professional Elective Course	PEC-ECE-D306	Microwave & Antenna Measurement Lab	0	0	2	1	30	20	50
6	Summer Internship	ECE-DSI-II	Summer Internship-II	0	0	0	3	150	50	200
6	Project Work	ECE-DP-II	Project Stage-II (Major Project)	0	0	4	2	75	25	100
<b>Total(B)</b>							<b>10</b>	<b>375</b>	<b>175</b>	<b>550</b>
<b>Mandatory Courses/Extra Co-Curricular Activities Courses</b>										
1	Mandatory Course	MC-D103	Values & Ethics	2	0	0	0	0	0	0
2	Mandatory Course	MC-D108	PDP-V	2	0	0	0	0	0	0
<b>Total(C)</b>							<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Grand Total (A+B+C)</b>							<b>25</b>	<b>525</b>	<b>525</b>	<b>1050</b>
<b>L-Lecture, T-Tutorial, P-Practical</b> <b>IA- Internal Assessment, ESE-End Semester Examination</b>										

# COURSE STRUCTURE

**SEMESTER-VI (3rd YEAR)**

**Branch: Electronics & Communication Engineering (Diploma)**

Sl. No.	Category	Course Code	Course Title	Hours			Credit	Marks		
				L	T	P		IA	ESE	Total
<b>Theory</b>										
1	Open Elective Course	OEC-CSE-D319	Fundamental of Artificial Intelligence	3	0	0	3	30	70	100
2	Professional Elective Course	PEC-ECE-D301	Industrial Automation	3	0	0	3	30	70	100
3	Humanities and Social Science Course	HSMC-D107	Entrepreneurship & Startups	3	1	0	4	30	70	100
4	Open Elective Course	OEC-EEE-D317	Renewable Energy Technologies	3	0	0	3	30	70	100
<b>Total(A)</b>							<b>13</b>	<b>120</b>	<b>280</b>	<b>400</b>
<b>Practical/Drawing/Design</b>										
1	Professional Elective Course	PEC-ECE-D302	Industrial Automation Lab	0	0	2	1	30	20	50
2	Project Work	ECE-DP-III	Project Stage-III (Major Project Work & Dissertation)	0	0	8	4	300	100	400
<b>Total(B)</b>							<b>5</b>	<b>330</b>	<b>120</b>	<b>450</b>
<b>Mandatory Courses/Extra Co-Curricular Activities Courses</b>										
1	Mandatory Course	MC-D103	Values & Ethics	2	0	0	0	0	0	0
2	Mandatory Course	MC-D109	PDP-VI	2	0	0	0	0	0	0
<b>Total(C)</b>							<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Grand Total (A+B+C)</b>							<b>18</b>	<b>450</b>	<b>400</b>	<b>850</b>
<b>L-Lecture, T-Tutorial, P-Practical</b> <b>IA- Internal Assessment, ESE-End Semester Examination</b>										