



# AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

A Unit of Laxmi Memorial Education Trust

(Approved by AICTE, New Delhi, Affiliated to Visvesvaraya Technological University, Belgaavi)

Department of Electronics and Communication Engineering

Accredited by NBA (BE: CV, CSE, ECE, ISE & ME)

AJIET/EC/MJP01/2023

19-4-2023

## CIRCULAR

Dear Students, we are excited to announce the Major Project Program Phase 1 for the 7th semester. This program offers you the opportunity to showcase your technical knowledge.

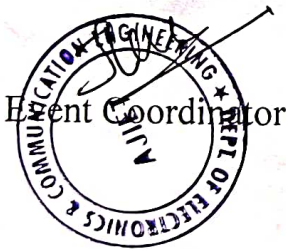
Eligible students can apply by submitting their Major Project proposals for approval. Successful Project ideas may earn academic credit, and each student will receive faculty supervision and assessment.

For more details, contact Major Project Coordinator.

Subject Name: Project Work

Course Code: 18ECP83

Credits: 8



H.O.D. - Electronics & Commn. Engineering  
A.J. INSTITUTE OF ENGINEERING AND TECHNOLOGY  
Mangaluru - 575 006, D.K., Karnataka

Principal  
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI**  
**Scheme of Teaching and Examination 2018 - 19**  
**Outcome Based Education (OBE) and Choice Based Credit System (CBCS)**  
**(Effective from the academic year 2018 - 19)**

**Programme: B.E: Electronics & Communication Engineering**

**VII SEMESTER**

Sl. No	Course and Course code		Course Title	Teaching Department	Teaching Hours /Week			Examination				Credits
					Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks	Total Marks	
1	PCC	18EC71	Computer Networks		3	--	--	03	40	60	100	3
2	PCC	18EC72	VLSI Design		3	--	--	03	40	60	100	3
3	PEC	18XX73X	Professional Elective - 2		3	--	--	03	40	60	100	3
4	PEC	18XX74X	Professional Elective - 3		3	--	--	03	40	60	100	3
5	OEC	18XX75X	Open Elective -B		3	--	--	03	40	60	100	2
6	PCC	18ECL76	Computer Networks Lab		--	2	2	03	40	60	100	2
7	PCC	18ECL77	VLSI Laboratory		--	2	2	03	40	60	100	2
8	Project	18ECP78	Project Work Phase - 1		--	--	2	--	100	--	100	1
9	Internship	--	Internship		(If not completed during the vacation of VI and VII semesters, it shall be carried out during the vacation of VII and VIII semesters)							
<b>TOTAL</b>					<b>15</b>	<b>04</b>	<b>06</b>	<b>21</b>	<b>38</b>	<b>420</b>	<b>800</b>	<b>20</b>

Note: PCC: Professional core, PEC: Professional Elective.

**Professional Elective - 2**

Course code under 18XX73X	Course Title
18EC731	Real Time Systems
18EC732	Satellite Communication
18EC733	Digital Image Processing
18EC734	DSP Algorithms & Architecture

  
Principal

**A.J. Institute of Engineering & Technology**  
Mangaluru - 575 006



# AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

A Unit of Laxmi Memorial Education Trust

(Approved by AICTE, New Delhi, Affiliated to Visvesvaraya Technological University, Belgavi)

## Department of Electronics and Communication Engineering

Accredited by NBA (BE: CV, CSE, ECE, ISE & ME)

AJIET/EC/MJP01/2023

19-4-2023

### CIRCULAR

Dear Students, we are excited to announce the Major Project Program for the 8th semester. This program offers you the opportunity to showcase your technical knowledge.

Eligible students can apply by submitting their Major Project proposals for approval. Successful Project ideas may earn academic credit, and each student will receive faculty supervision and assessment.

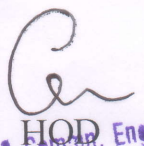
For more details, contact Major Project Coordinator.

Subject Name: Project Work

Course Code: 18ECP83

Credits: 8



  
H.O.D. - Electronics & Comm. Engineering  
A.J. INSTITUTE OF ENGINEERING AND TECHNOLOGY  
Mangaluru - 575 006, D.K., Karnataka

  
Principal  
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI**  
 Scheme of Teaching and Examination 2018 - 19  
 Outcome Based Education (OBE) and Choice Based Credit System (CBCS)  
 (Effective from the academic year 2018 - 19)

Programme: B.E: Electronics & Communication Engineering

**VIII SEMESTER**

Sl. No	Course and Course code		Course Title	Teaching Department	Teaching Hours /Week			Examination			Credits	
					Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks		Total Marks
					L	T	P					
1	PCC	18EC81	Wireless and Cellular Communication		3	-	-	03	40	60	100	3
2	PEC	18XX82X	Professional Elective - 4		3	-	-	03	40	60	100	3
3	Project	18ECP83	Project Work Phase - 2		-	-	2	03	40	60	100	8
4	Seminar	18ECS84	Technical Seminar		-	-	2	03	100	-	100	1
5	Internship	18EC185	Internship	Completed during the vacation/s of VI and VII semesters and /or VII and VIII semesters.)				03	40	60	100	3
<b>TOTAL</b>					<b>06</b>	<b>-</b>	<b>04</b>	<b>15</b>	<b>260</b>	<b>240</b>	<b>500</b>	<b>18</b>

Note: PCC: Professional Core, PEC: Professional Elective.

**Professional Elective - 4**

Course code under 18XX82X	Course Title
18EC821	Network Security
18EC822	Micro Electro Mechanical Systems
18EC823	Radar Engineering
18EC824	Optical Communication Networks
18EC825	Biomedical Signal Processing

  
 Principal  
 A.J. Institute of Engineering & Technology  
 Mangaluru - 575 006