



# 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

AJIET/EC/MJP01/2019

23-5-2019

### 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: 15ECP85

Credits: 6



HOD

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

**SCHEME OF TEACHING AND EXAMINATION**  
**B.E.: Electronics & Communication Engineering**

VII SEMESTER			Teaching Hours /Week		Examination				15EC
Sl. No	Subject Code	Title	Theory	Practical/Drawing	Duration	I.A. Marks	Theory/Practical Marks	Total Marks	
1	15EC71	Microwave and Antennas	04		03	20	80	100	4
2	15EC72	Digital Image Processing	04		03	20	80	100	4
3	15EC73	Power Electronics	04		03	20	80	100	4
4	15XX74X	Professional Elective-3	03		03	20	80	100	3
5	15EC75X	Professional Elective-4	03		03	20	80	100	3
6	15ECL76	Advanced Communication Lab		1I+2P	03	20	80	100	2
7	15ECL77	VLSI Lab		1I+2P	03	20	80	100	2
8	15ECP78	Project Work Phase-I + Project work Seminar		03		100	-	100	2
<b>TOTAL</b>			<b>18</b>	<b>09</b>	<b>21</b>	<b>240</b>	<b>560</b>	<b>800</b>	<b>24</b>

Professional Elective-3		Professional Elective-4	
15EC741	Multimedia Communication	15EC751	DSP Algorithms and Architecture
15EC742	Biomedical Signal Processing	15EC752	IoT and Wireless Sensor Networks
15EC743	Real Time Systems	15EC753	Pattern Recognition
15EC744	Cryptography	15EC754	Advanced Computer Architecture
15EC745	CAD for VLSI	15EC755	Satellite Communication

1. **Project Phase -I + Project Work Seminar:** Literature Survey, Problem Identification, Objectives and Methodology. Submission of Synopsis and Seminar.

  
 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

AJIET/EC/MJP01/2019

23-9-2019

### 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: 15ECP85

Credits: 6

Event Coordinator



Principal

A.J. Institute of Engineering & Technology

Mangaluru - 575 006

HOD

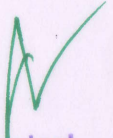
H.O.D. - Electronics & Commn. Engineering  
A.J.INSTITUTE OF ENGINEERING AND TECHNOLOGY  
Mangaluru - 575 006. D.K., Karnataka

**SCHEME OF TEACHING AND EXAMINATION  
B.E.: Electronics & Communication Engineering**

**VIII SEMESTER**

Sl. No	Subject Code	Title	Teaching Hours /Week		Examination				Credits
			Theory	Practical/ Drawing	Duration	I.A. Marks	Theory/ Practical Marks	Total Marks	
1	15EC81	Wireless Cellular and LTE 4G Broadband	4	-	3	20	80	100	4
2	15EC82	Fiber Optics & Networks	4	-	3	20	80	100	4
3	15EC83X	Professional Elective-5	3	-	3	20	80	100	3
4	15EC84	Internship/Professional Practice	Industry Oriented		3	50	50	100	2
5	15ECP85	Project Work	-	6	3	100	100	200	6
6	15ECS86	Seminar	-	4	-	100	-	100	1
<b>TOTAL</b>			<b>11</b>	<b>10</b>	<b>15</b>	<b>310</b>	<b>390</b>	<b>700</b>	<b>20</b>

<b>Professional Elective -5</b>	
15EC831	Micro Electro Mechanical Systems
15EC832	Speech Processing
15EC833	Radar Engineering
15EC834	Machine learning
15EC835	Network and Cyber Security

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

**1. Internship / Professional Practice:** To be carried between the (6<sup>th</sup> and 7<sup>th</sup> Semester) or (7<sup>th</sup> and 8<sup>th</sup>) Semester Vacation period.