

# **ACADEMIC REGULATIONS & COURSE STRUCTURE**

**For**

**DECS (GR-17)**

*(Applicable for batches admitted from 2016-2017)*

**GODAVARI INSTITUTE OF ENGINEERING AND TECHNOLOGY**

**NH-16, CHAITANYA KNOWLEDGE CITY, RAJAHMUNDRY-533296**

## I Semester

S. No.	Subject codes	Name of the Subject	L	P	C
1	17241101	Digital System Design ✓	4	-	3
2	17241102	Detection & Estimation Theory ✓	4	-	3
3	17241103	Digital Data Communications ✓	4	-	3
4	17241104	Advanced Digital Signal Processing ✓	4	-	3
5	17241161(A)	<b>Elective I</b>	4	-	3
	17241161(B)	I. Transform Techniques ✓			
	17241161(C)	II. VLSI Technology & Design ✓ III. Radar Signal Processing ✗✓			
6	17241162(A)	<b>Elective II</b>	4	-	3
	17241162(B)	I. Statistical Signal Processing ✓			
	17241162(C)	II. Optical Communication Technology ✓ III. Network Security & Cryptography ✗✓			
7	17241111	I. System Design & Data Communications ✗	-	3	2
<b>Total Credits</b>					<b>20</b>

## II Semester

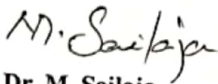
S. No.	Subject Codes	Name of the Subject	L	P	C
1	17241201	Coding Theory & Applications ✓	4	-	3
2	17241202	Embedded System Design ✓	4	-	3
3	17241203	Image and Video Processing ✓	4	-	3
4	17241204	Wireless Communications & Networks ✓	4	-	3
5	17241261(A)	<b>Elective III</b>	4	-	3
	17241161(B)	I. CMOS Analog & Digital IC Design ✓			
	17241161(C)	II. Advanced Computer Architecture ✓			
	17242161(D)	III. Soft Computing Techniques ✓ IV. Cyber Security ✗			
6	17241262(A)	<b>Elective IV</b>	4	-	3
	17241262(B)	I. DSP Processors and Architectures ✓			
	17241262(C)	II. EMI / EMC ✓ III. Object Oriented Programming ✓			
7	17241211	Advanced Communications Laboratory ✓	-	3	2
<b>Total Credits</b>					<b>20</b>


### III Semester

S. No.	Subject Codes	S	L	P	Credits
1	17241351	Comprehensive Viva-Voce	--	--	2
2	17241332	Seminar – I	--	--	2
3	17241343	Project Work Part – I	--	--	16
Total Credits					20

### IV Semester

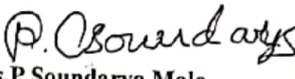
S. No.	Subject Codes	S	L	P	Credits
1	17242431	Seminar – II	--	--	2
2	17242442	Project Work Part - II	--	--	18
Total Credits					20


  
Dr. M. Sailaja  
(University Nominee)

  
Dr. K.V.Sreedhar  
(Subject Expert)

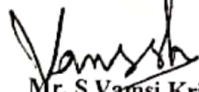
  
Dr. K. Murali Krishna  
(Industry Expert)

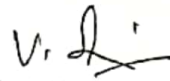
  
Dr. S. V. R. K. Rao  
(Chairman, BOS)

  
Ms. P. Soundarya Mala  
(BOS Member)

  
Mr. G. V. Vinod  
(BOS Member)

  
Mr. Biswaranjan Barik  
(BOS Member)

  
Mr. S. Vamsi Krishna  
(BOS Member)

  
Mr. V. Sreevani  
(BOS Member)