



w.e.f. Academic Year : 2017-2018

I YEAR

I SEMESTER

S. No.	Subject Code	Subject Title	Periods per week			C	Scheme of Examination		
			L	T	P		Maximum Marks		
							Int.	Ext.	Total
1.		English – I	3	0	0	3	40	60	100
2.		Mathematics-I	3	0	0	3	40	60	100
3.		Computer Programming	3	1	0	3	40	60	100
4.		Engineering Mechanics	3	1	0	3	40	60	100
5.		Mathematics-II	3	0	0	3	40	60	100
6.		Professional Ethics & Human Values	0	0	0	1	40	60	100
7.		English Communication Skills Lab I	0	0	3	2	50	50	100
8.		Computer Programming Lab	0	0	3	2	50	50	100
9.		Engineering Workshop & IT Workshop	0	0	3	2	50	50	100
Total			15	2	9	22	390	510	900

University Nominee
(Dr.Y.Srinivasa Kishore Babu)

Subject Expert
(Dr.N.Viswanathan)

Subject Expert
(Dr.B.Ravi Kumar)

Internal Member
(Mr.T.Amar Kiran)

Internal Member
(Ms.P.Suguna Ratnamala)

Internal Member
(Mr.N.Vijaya Kumar)

Chairman-BOS
(Dr.D.Ravi Kishore)



GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY
(AUTONOMOUS)

GR-17

Approved by AICTE, Accredited by NBA & NAAC 'A' Grade, Recognized under 2(f) and 12(b) of UGC, Permanently Affiliated to JNTUK, Kakinada.

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

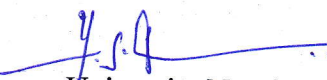
4 Years B.Tech. (Electrical & Electronics Engineering) Course Structure : (2017-18)

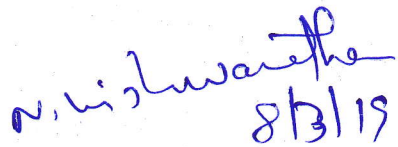
w.e.f. Academic Year : 2017-2018

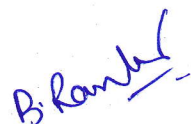
I YEAR

II SEMESTER

S. No.	Subject Code	Subject Title	Periods per week			C	Scheme of Examination		
			L	T	P		Int.	Ext.	Total
1.		English-II	3	0	0	3	40	60	100
2.		Engineering Physics	3	1	0	3	40	60	100
3.		Engineering Drawing	0	0	3	3	40	60	100
4.		Environmental Studies	3	0	0	3	40	60	100
5.		Data Structures Through C	3	1	0	3	40	60	100
6.		Engineering Chemistry	3	0	0	3	40	60	100
7.		English Communication Skills Lab II	0	0	3	2	50	50	100
8.		Engineering Physics Lab	0	0	3	2	50	50	100
9.		Data Structures Through CLab	0	0	3	2	50	50	100
Total			15	2	12	24	390	510	900

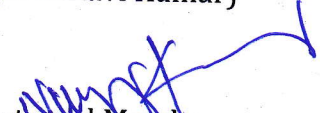

University Nominee
(Dr.Y.Srinivasa Kishore Babu)


Subject Expert
(Dr.N.Viswanathan)


Subject Expert
(Dr.B.Ravi Kumar)


Internal Member
(Mr.T.Amar Kiran)


Internal Member
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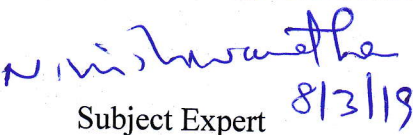

Internal Member
(Mr.N.Vijaya Kumar)


Chairman-BOS
(Dr.D.Ravi Kishore)

II YEAR
I SEMESTER

S. No.	Subject Code	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
			L	T	P		Int.	Ext.	Total
1.		Electrical Circuits Analysis – I	3	1	0	3	40	60	100
2.		Electro Magnetic Field	3	0	0	3	40	60	100
3.		Electrical Machines – I	3	1	0	3	40	60	100
4.		Mathematics III	3	0	0	3	40	60	100
5.		Fluid Mechanics & Hydraulic Machinery	3	0	0	3	40	60	100
6.		Electronic Devices & circuits	3	0	0	3	40	60	100
7.		Soft Skills – I	1	0	2	1	40	60	100
8.		Electronic Devices & Circuits Lab	0	0	3	2	50	50	100
9.		Fluid Mechanics & Hydraulic Machines Lab	0	0	3	2	50	50	100
Total			19	2	8	23	380	520	900


 University Nominee
 (Dr.Y.Srinivasa Kishore Babu)

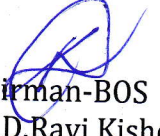

 Subject Expert
 (Dr.N.Viswanathan)


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 Chairman-BOS
 (Dr.D.Ravi Kishore)



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

4 Years B.Tech. (Electrical & Electronics Engineering) Course Structure : (2017-18)

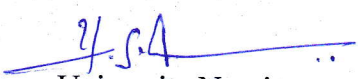
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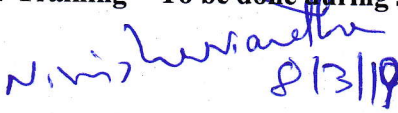
II Year

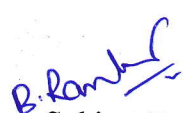
II Semester

S. No.	Subject Code	Subject Title	Periods per week			C	Scheme of Examination		
			L	T	P		Int.	Ext.	Total
1.		Electrical Circuit analysis – II	3	1	0	3	40	60	100
2.		Power Systems – I	3	0	0	3	40	60	100
3.		Electrical Machines – II (Through MOOCS)	3	1	0	3	40	60	100
4.		Electrical Measurements	3	0	0	3	40	60	100
5.		Switching Theory and Logic Design	3	0	0	3	40	60	100
6.		Pulse & Digital Circuits	3	0	0	3	40	60	100
7.		Electrical Machines – I Lab	0	0	3	2	50	50	100
8.		Electrical Circuits Lab	0	0	3	2	50	50	100
Total			18	2	6	22	340	460	800

Mini Project-I/Summer Internship / Training - To be done during summer vacation after II-II semester

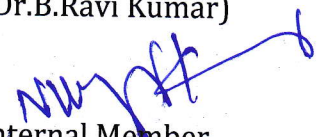

University Nominee
(Dr.Y.Srinivasa Kishore Babu)

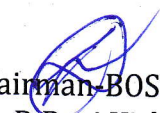

Subject Expert
(Dr.N.Viswanathan)


Subject Expert
(Dr.B.Ravi Kumar)


Internal Member
(Mr.T.Amar Kiran)


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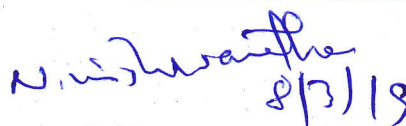
w.e.f. Academic Year : 2017-2018

III Year
I Semester

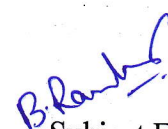
S. No.	Subject Code	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
			L	T	P		Int.	Ext.	Total
1.		Managerial Economics and Financial Analysis	3	0	0	3	40	60	100
2.		Control Systems	3	1	0	3	40	60	100
3.		Power Systems-II	3	1	0	3	40	60	100
4.		Special Electrical Machines	3	0	0	3	40	60	100
5.		Power Electronics	3	0	0	3	40	60	100
6.		Linear & Digital IC Applications	3	0	0	3	40	60	100
7.		Soft Skills - II	1	0	2	1	40	60	100
8.		Electrical Machines-II Lab	0	0	3	2	50	50	100
9.		Electrical Measurements Lab	0	0	3	2	50	50	100
10.		Mini Project - I	0	0	3	2	100	-	100
Total			19	2	11	25	480	520	1000



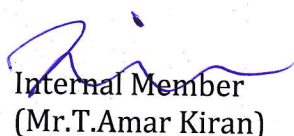
University Nominee
(Dr.Y.Srinivasa Kishore Babu)



Subject Expert
(Dr.N.Viswanathan)



Subject Expert
(Dr.B.Ravi Kumar)



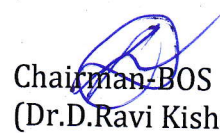
Internal Member
(Mr.T.Amar Kiran)



Internal Member
(Ms.P.Suguna Ratnamala)



Internal Member
(Mr.N.Vijaya Kumar)



Chairman-BOS
(Dr.D.Ravi Kishore)

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

4 Years B.Tech. (Electrical & Electronics Engineering) Course Structure : (2017-18)

w.e.f. Academic Year : 2017-2018

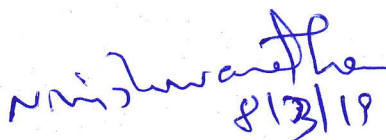
III Year

II Semester

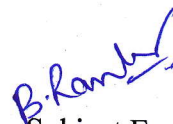
S. No.	Subject Code	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
			L	T	P		Int.	Ext.	Total
1.		Switch-gear and Protection	3	0	0	3	40	60	100
2.		Power System Analysis	3	1	0	3	40	60	100
3.		OPEN ELECTIVE	3	0	0	3	40	60	100
4.		Power Semiconductor Drives	3	1	0	3	40	60	100
5.		Signals and systems	3	0	0	3	40	60	100
6.		Microprocessors & Micro-controllers and its Applications	3	0	0	3	40	60	100
7.		Power Electronics Lab	0	0	3	2	50	50	100
8.		Control Systems Lab	0	0	3	2	50	50	100
9.		IPR & Patents	2	0	0	1	50	50	100
Total			20	2	6	23	390	510	900



University Nominee
(Dr.Y.Srinivasa Kishore Babu)



Subject Expert
(Dr.N.Viswanathan)



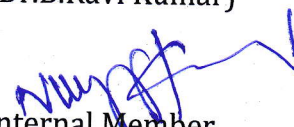
Subject Expert
(Dr.B.Ravi Kumar)



Internal Member
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Internal Member
(Ms.P.Suguna Ratnamala)



Internal Member
(Mr.N.Vijaya Kumar)

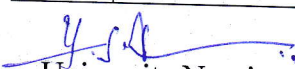


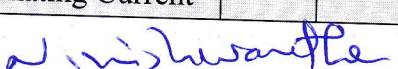
Chairman-BOS
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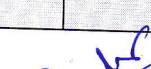
w.e.f. Academic Year : 2017-2018

IV Year
I Semester

S. No.	Subject Code	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
			L	T	P		Int.	Ext.	Total
1.		Utilization of Electrical Energy	3	0	0	3	40	60	100
2.		Renewable Energy Sources and Systems	3	0	0	3	40	60	100
3.		Power System Operation & Control	3	1	0	3	40	60	100
4.		Elective-I	3	0	0	3	40	60	100
		High Voltage Engineering							
		Electronic Instrumentation and Automation System							
		HVDC Transmission							
5.		Electrical Distribution Systems	3	0	0	3	40	60	100
		Elective – II							
		Electrical Machine Modeling & Analysis							
		Switching Mode Power Converters							
		Optimization Techniques							
6.		EHV Transmission	3	0	0	3	40	60	100
		Elective – III							
		Advanced Control Systems.							
		Flexible Alternating Current							

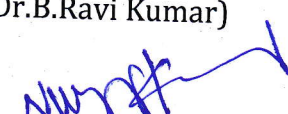

 University Nominee
 (Dr.Y.Srinivasa Kishore Babu)

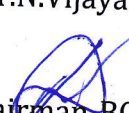

 Subject Expert
 (Dr.N.Viswanathan)


 Subject Expert
 (Dr.B.Ravi Kumar)


 Internal Member
 (Mr.T.Amar Kiran)

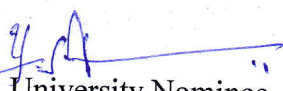

 Internal Member
 (Ms.P.Suguna Ratnamala)

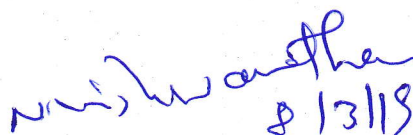

 Internal Member
 (Mr.N.Vijaya Kumar)

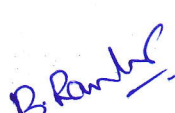

 Chairman-BOS
 (Dr.D.Ravi Kishore)

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
4 Years B.Tech. (Electrical & Electronics Engineering) Course Structure : (2017-18)

		Transmission systems							
		Power Quality							
		Smart Grid							
7.		Power Systems Lab	0	0	3	2	50	50	100
8.		Microprocessors & Micro- Controllers and its Applications Lab	0	0	3	2	50	50	100
9.		Electrical Simulation Lab	0	0	3	2	50	50	100
10.		Mini Project II	0	0	3	2	100	-	100
Total			18	1	12	26	490	510	1000


University Nominee
(Dr.Y.Srinivasa Kishore Babu)


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Subject Expert
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Internal Member
(Ms.P.Suguna Ratnamala)

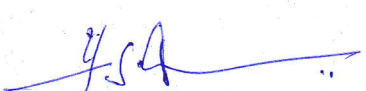

Internal Member
(Mr.N.Vijaya Kumar)

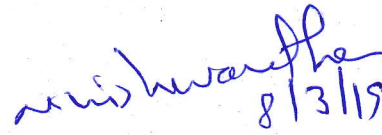

Chairman-BOS
(Dr.D.Ravi Kishore)

w.e.f. Academic Year : 2017-2018

IV Year
II Semester

S. No.	Subject Code	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
			L	T	P		Int.	Ext.	Total
1.		Energy Audit, Conservation & Management	3	0	0	3	40	60	100
2.		Elective – IV	3	0	0	3	40	60	100
		VLSI Design							
		Embedded Systems							
		Digital Control Systems							
		PLC and its Applications							
		OOPS through JAVA							
		DBMS							
		UNIX and Shell Programming							
		Neural Fuzzy Systems							
3.		Project Work	0	0	3	9	60	140	200
Total			6	0	3	15	140	260	400


 University Nominee
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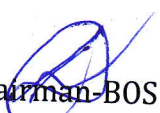

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 (Mr.N.Vijaya Kumar)


 Chairman-BOS
 (Dr.D.Ravi Kishore)

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
4 Years B.Tech. (Electrical & Electronics Engineering) Course Structure : (2017-18)

OPEN ELECTIVES

S.NO	Course code	Title of the course	L-T-P	Credits	Pre-Requisite	Offered By
1		Building Technology	3-0-0	3	NIL	CE
2		Environmental Pollution & Control	3-0-0	3	NIL	MIN
3		Social Networks	3-0-0	3	NIL	CSE
4		Cyber Security	3-0-0	3	NIL	CSE
5		Basic Automobile Engineering	3-0-0	3	NIL	AME
6		Hybrid Vehicles	3-0-0	3	NIL	AME
7		Thermal Energy	3-0-0	3	NIL	MECH
8		Robotics	3-0-0	3	NIL	MECH
9		Principles of Management	3-0-0	3	NIL	DMS
10		Internet of Things (IOT)	3-0-0	3	NIL	ECE

4.54
University Nominee
(Dr.Y.Srinivasa Kishore Babu)

Dr. N. Viswanathan
8/13/18
Subject Expert
(Dr.N.Viswanathan)

Internal Member
(Mr.T.Amar Kiran)

Internal Member
(Ms.P.Suguna Ratnamala)

B. Ravi Kumar
Subject Expert
(Dr.B.Ravi Kumar)

Internal Member
(Mr.N.Vijaya Kumar)

Chairman-BOS
(Dr.D.Ravi Kishore)