

2017-2018

Sl.No	Regulations	No.of Course	Year of Study
1	R 16	61	I YEAR I & II Semester
	R 16		II YEAR I & II Semester
3	R 15		III YEAR I & II Semester
4	R 13		IV YEAR I & II Semester

Academic Year: 2017-18

I YEAR I SEMESTER

Regulation: R - 16

S. No	Course Code	Course Title	L	T	P	Credits
1	MA101BS	Mathematics-I	3	1	0	3
2	MA102BS	Mathematics-II	4	1	0	4
3	PH103BS	Engineering Physics	3	0	0	3
4	CS104ES	Computer Programming in C	3	0	0	3
5	ME105ES	Engineering Mechanics	3	0	0	3
6	ME106ES	Engineering Graphics	2	0	4	4
7	PH107BS	Engineering Physics Lab	0	0	3	2
8	CS108ES	Computer Programming in C Lab	0	0	3	2
9	*EA109MC	NSS	0	0	0	0
		Total Credits	18	2	10	24

I YEAR II SEMESTER

Regulation: R - 16

S. No	Course Code	Course Title	L	T	P	Credits
1	AP201BS	Applied Physics	3	0	0	3
2	CH202BS	Engineering Chemistry	4	0	0	4
3	MA203BS	Mathematics-III	4	1	0	4
4	EN204HS	Professional Communication in English	3	0	0	3
5	EE205ES	Basic Electrical and Electronics Engineering	4	0	0	4
6	CH206BS	Engineering Chemistry Lab	0	0	3	2
7	EN207HS	English Language Communication Skills Lab	0	0	3	2
8	ME208ES	Engineering Workshop	0	0	3	2
9	*EA209MC	NCC/NSO	0	0	0	0

		Total Credits	18	1	9	24
--	--	----------------------	-----------	----------	----------	-----------

***Mandatory Course- Satisfactory/Unsatisfactory**

II YEAR I SEMESTER

Regulation: R - 16

S. No	Course Code	Course Title	L	T	P	Credits
1	MA301BS	Mathematics - IV	4	1	0	4
2	CE302ES	Strength of Materials - I	4	1	0	4
3	CE303ES	Fluid Mechanics - I	4	1	0	4
4	CE304ES	Building Materials, Construction and Planning	3	0	0	3
5	CE305ES	Surveying	3	0	0	3
6	CE306ES	Strength of Material Lab	0	0	3	2
7	CE307ES	Computer Aided Drafting Lab	0	0	3	2
8	CE308ES	Surveying Lab - I	0	0	3	2
9	*MC300HS	Gender Sensitization Lab	0	0	3	0
		Total Credits	18	3	12	24

II YEAR II SEMESTER

Regulation: R - 16

S. No	Course Code	Course Title	L	T	P	Credits
1	CE401ES	Strength of Material - II	4	1	0	4
2	CE402ES	Fluid Mechanics - II	4	1	0	4
3	CE403ES	Structural Analysis	4	1	0	4
4	CV404ES	Engineering Geology	3	0	0	3
5	SM405MS	Business Economic and Financial Analysis	3	0	0	3
6	CE406ES	Fluid Mechanics Lab	0	0	3	2
7	CE408ES	Surveying Lab - II	0	0	3	2
8	CV407ES	Engineering Geology Lab	0	0	3	2
9	*MC400ES	Environmental Science and Technology	3	0	0	0
		Total Credits	21	3	9	24

III YEAR I SEMESTER

Regulation: R - 15

Code	Subject	L	T/P/D	C
A50116	Concrete Technology	4	-	4
A50121	Reinforced Concrete Structures Design and Drawing	4	-	4
A50118	Engineering Geology	4	-	4
A50120	Geotechnical Engineering	4	-	4
A50122	Water Resources Engineering-I	4	-	4
A50117 A50017 A50018	Open Elective	4	-	4
	Disaster Management			
	Intellectual Property Rights			
	Human Values and Professional Ethics			
A50181	Fluid Mechanics & Hydraulic Machinery Lab	-	3	2
A50191	Engineering Geology Lab	-	3	2
Total		24	6	28

III YEAR II SEMESTER

Regulation: R - 15

Code	Subject	L	T/P/D	C
A60130	Steel Structures Design and Drawing	3	2	4
A60119	Environmental Engineering	4	-	4
A60132	Transportation Engineering -I	4	-	4
A60126	Foundation Engineering	4	-	4
A60131	Structural Analysis -II	4	-	4
A60123 A60127 A60128 A60124 A60129	Elective -I	4	-	4
	Elements of Earthquake			
	Engineering Ground			
	Improvement Techniques			
	Ground Water Hydrology			
	Environmental Impact			
A60194 A60086	Assessment Principles of Entrepreneurship			
	Geotechnical Engineering Lab	-	3	2
	Advanced Communication Skills Lab	-	3	2
Total		23	8	28

IV YEAR I SEMESTER

Regulation: R - 13

Code	Subject	L	T/P/D	C
A70140	Remote Sensing & GIS	4	-	4
A70143	Transportation Engineering -II	4	-	4
A70138	Estimating & Costing	4	-	4
A70133	Water Resources Engineering-II	4	-	4

A70330 A70134 A70145 A70136	Elective-II Finite Element Methods Advanced Foundation Engineering Watershed Management Air Pollution and Control	4	-	4
A70135 A70137 A70144 A70139	Elective-III Advanced Structural Design Earth and Rock fill Dams and Slope Stability Water Resources Systems Analysis Industrial Waste Water Treatment	4	-	4
A70195	Concrete & Highway Materials Lab	-	3	2
A70192	Environmental Engineering Lab	-	3	2
	Total	24	6	28

IV YEAR II SEMESTER

Regulation: R - 13

Code	Subject	L	T/P/ D	C
A80151 A80148 A80147 A80141	Elective-IV Rehabilitation and Retrofitting of Structures Geo-Environmental Engineering Design and Drawing of Irrigation Structures Solid Waste Management	4	-	4
A80150	Prestressed Concrete Structures	4	-	4
A80146	Construction Management	4	-	4
A80087	Industry Oriented Mini project	-	-	2
A80089	Seminar	-	6	2
A80088	Project Work	-	15	10
A80090	Comprehensive viva	-	-	2
	Total	12	21	28


 Principal
 Vaageswari College of Engineering
 KARIMNAGAR-505 527.

2017-2018

Sl.No	Regulations	No.of Courses	Year of Study
1	R 16	42	I YEAR I & II Semester
2	R 15		II YEAR I & II Semester
3	R 13		III YEAR I & II Semester
			IV YEAR I & II Semester

I YEAR I SEMESTER

S. No	Course Code	Course Title	L	T	P	Credits
1	MA101BS	Mathematics-I	3	1	0	3
2	CH102BS	Engineering Chemistry	4	0	0	4
3	PH103BS	Engineering Physics-I	3	0	0	3
4	EN104HS	Professional Communication in English	3	0	0	3
5	ME105ES	Engineering Mechanics	3	0	0	3
6	EE106ES	Basic Electrical and Electronics Engineering	4	0	0	4
7	EN107HS	English Language Communication Skills Lab	0	0	3	2
8	ME108ES	Engineering Workshop	0	0	3	2
9	*EA109MC	NSS	0	0	0	0
		Total Credits	20	1	6	24

I YEAR II SEMESTER

S. No	Course Code	Course Title	L	T	P	Credits
1	PH201BS	Engineering Physics-II	3	0	0	3
2	MA202BS	Mathematics-II	4	1	0	4
3	MA203BS	Mathematics-III	4	1	0	4
4	CS204ES	Computer Programming in C	3	0	0	3
5	ME205ES	Engineering Graphics	2	0	4	4
6	CH206BS	Engineering Chemistry Lab	0	0	3	2
7	PH207BS	Engineering Physics Lab	0	0	3	2
8	CS208ES	Computer Programming in C Lab	0	0	3	2
9	*EA209MC	NCC/NSO	0	0	0	0
		Total Credits	16	2	13	24

***Mandatory Course – Satisfactory/Unsatisfactory**


 Principal
 Vaageswari College of Engineering
 KARIMNAGAR-505 527.

II YEAR I SEMESTER

S. No.	Course Code	Course Title	L	T	P	Credits
1	MA301BS	Mathamatics – IV	4	1	0	4
2	EE302ES	Electromagnetic Fields	4	1	0	4
3	EE303ES	Electrical Machines-I	4	1	0	4
4	EE304ES	Network Theory	3	0	0	3
5	EE305ES	Electronic Circuits	3	0	0	3
6	EE306ES	Electrical Machines Lab - I	0	0	3	2
7	EC306ES	Electronic Devices & Circuits Lab	0	0	3	2
8	EE307ES	Networks Lab	0	0	3	2
9	*MC300ES	Environmental Science and Technology	3	0	0	0
		Total Credits	21	3	9	24

II YEAR II SEMESTER

S. No.	Course Code	Course Title	L	T	P	Credits
1	EC401ES	Switching Theory & Logic Design	3	1	0	3
2	EE402ES	Power Systems - I	4	1	0	4
3	EE403ES	Electrical Machines – II	4	1	0	4
4	EE404ES	Control Systems	4	1	0	4
5	SM405MS	Business Economics and Financial Analysis	3	0	0	3
6	EE406ES	Control Systems Lab	0	0	3	2
7	EE407ES	Electrical Machines Lab - II	0	0	3	2
8	EE408ES	Electronic Circuits Lab	0	0	3	2
9	*MC400HS	Gender Sensitization Lab	0	0	3	0
		Total Credits	18	4	12	24


 Principal
 Vaageswari College of Engineering
 KARIMNAGAR-505 527.

III YEAR I SEMESTER

Code	Subject	L	T/P/D	C
A50423	IC Applications	4	-	4
A50014	Management Science	4	-	4
A50221	Power Systems-II	4	-	4
A50211	Control Systems	4	-	4
A50220	Power Electronics	4	-	4
A50218	Electrical Machines-III	4	-	4
A50289	Electrical Machines lab –II	-	3	2
A50086	Advanced Communication Skills Lab	-	3	2
	Total	24	6	28

III YEAR II SEMESTER

Code	Subject	L	T/P/D	C
A60223	Electrical and Electronics Instrumentation	4	-	4
A60225	Static Drives	4	-	4
A60222	Computer Methods in Power Systems	4	-	4
A60430	Microprocessors and Interfacing Devices	4	-	4
A60009	Environmental Studies	4	-	4
	Open Elective	4	-	4
A60117	Disaster Management Intellectual			
A60017	Property Rights			
A60018	Human Values and Professional Ethics			
A60290	Control Systems and Simulation Lab	-	3	2
A60291	Power Electronics and Simulation Lab	-	3	2
	Total	24	6	28

Principal
Vaageswari College of Engineering
KARIMNAGAR-505 527.

IV YEAR I SEMESTER

Code	Subject	L	T/P/D	C
A70231	Switch Gear and Protection	4	-	4
A70232	Utilization of Electrical Energy	4	-	4
A70421	Digital Signal Processing	4	-	4
A70230	Power System Operation and Control	4	-	4
A70228 A70432 A70435	Elective-I	4	-	4
	High Voltage			
	Engineering VLSI			
	Design			
	Digital Control Systems			
A70229 A70226 A70227	Elective-II	4	-	4
	Optimization Techniques Electrical			
	Distribution Systems			
	Electrical Estimation and Costing			
A70498	Microprocessors and Interfacing Devices Lab	-	3	2
A70293	Electrical Measurements Lab	-	3	2
	Total	24	6	28

IV YEAR II SEMESTER

Code	Subject	L	T/P/D	C
A80237	Fundamentals of HVDC and FACTS Devices	4	-	4
A80238 A80324 A80244	Elective-III	4	-	4
	Neural Networks and Fuzzy Logic			
	Renewable Energy Sources			
	Principles of Reliability Engineering			
A80234 A80235 A82909	Elective-IV	4	-	4
	Advanced Control Systems			
	EHV AC Transmission			
	Nanotechnology			
A80087	Industry Oriented Mini Project	-	-	2
A80089	Seminar	-	6	2
A80088	Project Work	-	15	10
A80090	Comprehensive Viva-Voce	-	-	2
	Total	12	21	28

Principal

Wageswari College of Engineering
KARIMNAGAR-505 527.

Academic Year: 2017-18

Sl.No	Regulations	No.of Courses	Year of Study
1	R 16	54	I YEAR I & II Semester
2	R 16		II YEAR I & II Semester
3	R 15		III YEAR I & II Semester
4	R 13		IV YEAR I & II Semester

COURSE STRUCTURE & SYLLABUS

I YEAR I SEMESTER

Regulation: R – 16

S. No	Course Code	Course Title	L	T	P	Credits
1	MA101BS	Mathematics-I	3	1	0	3
2	MA102BS	Mathematics-II	4	1	0	4
3	PH103BS	Engineering Physics	3	0	0	3
4	CS104ES	Computer Programming in C	3	0	0	3
5	ME105ES	Engineering Mechanics	3	0	0	3
6	ME106ES	Engineering Graphics	2	0	4	4
7	PH107BS	Engineering Physics Lab	0	0	3	2
8	CS108ES	Computer Programming in C Lab	0	0	3	2
9	*EA109MC	NSS	0	0	0	0
		Total Credits	18	2	10	24

I YEAR II SEMESTER

Regulation: R – 16

S. No	Course Code	Course Title	L	T	P	Credits
1	AP201BS	Applied Physics	3	0	0	3
2	CH202BS	Engineering Chemistry	4	0	0	4
3	MA203BS	Mathematics-III	4	1	0	4
4	EN204HS	Professional Communication in English	3	0	0	3
5	EE205ES	Basic Electrical and Electronics Engineering	4	0	0	4
6	CH206BS	Engineering Chemistry Lab	0	0	3	2
7	EN207HS	English Language Communication Skills Lab	0	0	3	2
8	ME208ES	Engineering Workshop	0	0	3	2
9	*EA209MC	NCC/NSO	0	0	0	0
		Total Credits	18	1	9	24

II YEAR I SEMESTER**Regulation: R – 16**

S. No.	Course Code	Course Title	L	T	P	Credits
1	MA301BS	Mathematics - IV	4	1	0	4
2	ME304ES	Thermodynamics	4	1	0	4
3	ME302ES	Kinematics of Machinery	4	1	0	4
4	ME305ES	Metallurgy and Material Science	3	0	0	3
5	ME303ES	Mechanics of Solids	3	1	0	3
6	ME306ES	Fuels and Lubricants Lab	0	0	3	2
7	ME307ES	Mechanics of Solids Lab	0	0	3	2
8	ME308ES	Metallurgy and Material Science Lab	0	0	3	2
9	*MC300HS	Gender Sensitization Lab	0	0	3	0
		Total Credits	18	4	12	24

II YEAR II SEMESTER**Regulation: R – 16**

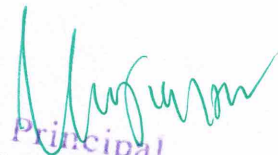
S. No.	Course Code	Course Title	L	T	P	Credits
1	ME403ES	Dynamics of Machinery	4	1	0	4
2	ME401ES	Fluid Mechanics and Hydraulic Machines	4	1	0	4
3	ME404ES	Machine Drawing	2	0	4	4
4	ME405ES	Manufacturing Process	3	0	0	3
5	SM405MS	Business Economic and Financial Analysis	3	0	0	3
6	ME406ES	Kinematics and Dynamics Lab	0	0	3	2
7	ME407ES	Fluid Mechanics and Hydraulic Machines Lab	0	0	3	2
8	ME408ES	Manufacturing Process Lab	0	0	3	2
9	*MC400ES	Environmental Science and Technology	3	0	0	0
		Total Credits	18	2	15	24

III YEAR I SEMESTER**Regulation: R – 15**

Code	Subject	L	T/P/D	C
A50010	Managerial Economics and Financial Analysis	4	-	4
A50318	Engineering Metrology	4	-	4
A50317	Dynamics of Machinery	4	-	4
A50321	Machine Tools	4	-	4
A50316	Design of Machine Members – I	4	-	4
A50326	Thermal Engineering -II	4	-	4
A50384	Machine Tools & Metrology Lab	-	3	2
A50383	Thermal Engineering Lab	-	3	2
	Total	24	6	28

III YEAR II SEMESTER**Regulation: R – 15**

Code	Subject	L	T/P/D	C
A62405	Automobile Engineering	4	-	4
A60330	Finite Element Methods	4	-	4
A60334	Refrigeration and Air Conditioning	4	-	4
A60329	Design of Machine Members – II	4	-	4
A60331	Heat Transfer	4	-	4
	Open Elective			
A60117	Disaster Management	4	-	4
A60017	Intellectual Property Rights			
A60018	Human Values and Professional Ethics			
A60387	Heat Transfer Lab	-	3	2
A60086	Advanced Communication Skills Lab	-	3	2
	Total	24	6	28


 Principal
 Jagadswari College of Engineering
 KARIMNAGAR-505 527.

IV YEAR I SEMESTER
Regulation: R – 13

Code	Subject	L	T/P/D	C
A70352	Operations Research	4	-	4
A70353	Power Plant Engineering	4	-	4
A70328	CAD/CAM	4	-	4
A70343	Instrumentation and Control Systems	4	-	4
ELECTIVE – I				
A70355	Robotics	4	-	4
A70346	Mechanical Vibrations			
A70348	Mechatronics			
A70347	Mechanics of Composite Materials			
A70332	Industrial Management			
ELECTIVE – II				
A70359	Unconventional Machining	4	-	4
A70337	ProcessesCNC Technology			
A70336	Automation in Manufacturing			
A70339	Design for Manufacturing			
A72909	Nanotechnology			
A70390	Computer Aided Design & Manufacturing Lab	-	3	2
A70391	Production Drawing Practice and Instrumentation Lab	-	3	2
Total		24	6	28

IV YEAR II SEMESTER
Regulation: R – 13

Code	Subject	L	T/P/D	C
A80366	Production Planning and Control	4	-	4
ELECTIVE – III				
A80527 A80367 A80363 A80365	Artificial Neural NetworksTotal Quality Management Maintenance and Safety Engineering Plant Layout & Material Handling	4	-	4
ELECTIVE – IV				
A80324 A80362 A80338 A80361	Renewable Energy Sources Jet Propulsion & Rocket Engineering Computational Fluid Dynamics Gas Dynamics	4	-	4
A80087	Industry Oriented Mini Project	-	-	2
A80089	Seminar	-	6	2
A80088	Project Work	-	15	10
A80090	Comprehensive Viva	-	-	2
	Total	12	21	28

Code	Subject	L	T/P/D	C
A80452 A81102 A80527	Elective -III: Satellite Communications Biomedical Instrumentation Artificial Neural Networks	4	-	4
A80431 A80450 A80449	Elective -IV: Telecommunication Switching Systems and Networks Radar Systems Network Security	4	-	4
A80454 A80437 A80451	Elective -V: Wireless Communications and Networks Digital Signal Processors and Architectures RF Circuit Design	4	-	4
A80087	Industry Oriented Mini Project	-	-	2
A80089	Seminar	-	6	2
A80088	Major Project Work	-	15	10
A80090	Comprehensive Viva	-	-	2
	Total	12	21	28

2017-2018

Sl.No	Regulations	No.of Course	Year of Study
1	R 16	38	I YEAR I & II Semester
	R 16		II YEAR I & II Semester
2	R 15		III YEAR I & II Semester
3	R 13		IV YEAR I & II Semester

B.Tech COURSE STRUCTURE (2016-17)

(Common for EEE, ECE, CSE, EIE, BME, IT, ETE, ECM, ICE)

I YEAR I SEMESTER

S. No	Course Code	Course Title	L	T	P	Credits
1	MA101BS	Mathematics-I	3	1	0	3
2	CH102BS	Engineering Chemistry	4	0	0	4
3	PH103BS	Engineering Physics-I	3	0	0	3
4	EN104HS	Professional Communication in English	3	0	0	3
5	ME105ES	Engineering Mechanics	3	0	0	3
6	EE106ES	Basic Electrical and Electronics Engineering	4	0	0	4
7	EN107HS	English Language Communication Skills Lab	0	0	3	2
8	ME108ES	Engineering Workshop	0	0	3	2
9	*EA109MC	NSS	0	0	0	0
		Total Credits	20	1	6	24

I YEAR II SEMESTER

2017-18

S. No	Course Code	Course Title	L	T	P	Credits
1	PH201BS	Engineering Physics-II	3	0	0	3
2	MA202BS	Mathematics-II	4	1	0	4
3	MA203BS	Mathematics-III	4	1	0	4
4	CS204ES	Computer Programming in C	3	0	0	3
5	ME205ES	Engineering Graphics	2	0	4	4
6	CH206BS	Engineering Chemistry Lab	0	0	3	2
7	PH207BS	Engineering Physics Lab	0	0	3	2
8	CS208ES	Computer Programming in C Lab	0	0	3	2
9	*EA209MC	NCC/NSO	0	0	0	0
		Total Credits	16	2	13	24

II YEAR I SEMESTER

S. No.	Course Code	Course Title	L	T	P	Credits
1	MA301BS	Mathematics – IV	4	1	0	4
2	EC302ES	Analog Electronics	4	1	0	4
3	EC303ES	Electrical Technology	4	1	0	4
4	EC304ES	Signals and Stochastic Process	3	1	0	3
5	EC305ES	Network Analysis	3	1	0	3
6	EC306ES	Electronic Devices and Circuits Lab	0	0	3	2
7	EC307ES	Basic Simulation Lab	0	0	3	2
8	EC308ES	Basic Electrical Engineering Lab	0	0	3	2
9	*MC300ES	Environmental Science and Technology	3	0	0	0
		Total Credits	21	5	9	24

II YEAR II SEMESTER

S. No.	Course Code	Course Title	L	T	P	Credits
1	EC401ES	Switching Theory and Logic Design	3	1	0	3
2	EC402ES	Pulse and Digital Circuits	4	0	0	4
3	EE404ES	Control Systems	4	1	0	4
4	EC405ES	Analog Communications	4	0	0	4

5	SM405MS	Business Economics and Financial Analysis	3	0	0	3
6	EC406ES	Analog Communications Lab	0	0	3	2
7	EC407ES	Pulse and Digital Circuits Lab	0	0	3	2
8	EC408ES	Analog Electronics Lab	0	0	3	2
9	*MC400HS	Gender Sensitization Lab	0	0	3	0
		Total Credits	18	2	12	24

III YEAR I SEMESTER

Code	Subject	L	T/P/D	C
A50217	Control Systems Engineering	4	-	4
A50516	Computer Organization and Operating Systems	4	-	4
A50418	Antennas and Wave Propagation	4	-	4
A50422	Electronic Measurements and Instrumentation	4	-	4
A50408	Analog Communications	4	-	4
A50425	Linear and Digital IC Applications	4	-	4
A50482	Analog Communications Lab.	-	3	2
A50488	IC Applications and HDL Simulation Lab.	-	3	2
	Total	24	6	28

III YEAR II SEMESTER

Code	Subject	L	T/P/D	C
A60010	Managerial Economics and Financial Analysis	4	-	4
A60018	Open Elective: Human Values and Professional Ethics Disaster Management Intellectual Property Rights	4	-	4
A60117				
A60017				
A60420	Digital Communications	4	-	4
A60432	VLSI Design	4	-	4
A60430	Microprocessors and Microcontrollers	4	-	4
A60421	Digital Signal Processing	4	-	4
A60494	Microprocessors and Microcontrollers Lab.	-	3	2
A60493	Digital Signal Processing Lab.	-	3	2
	Total	24	6	28

IV YEAR I SEMESTER

Code	Subject	L	T/P/D	C
A70014	Management Science	4	-	4
A70442	Microwave Engineering	4	-	4
A70515	Computer Networks	4	-	4
A70434	Cellular and Mobile Communications	4	-	4
A70436 A70443 A70505	Elective -I: Digital Image Processing Multimedia and Signal Coding Object Oriented Programming through Java	4	-	4
A70447 A70444 A70440	Elective -II: Television Engineering Optical Communications Embedded Systems Design	4	-	4
A70086	Advanced Communication Skills Lab,	-	3	2
A70499	Microwave Engineering and Digital Communications Lab	-	3	2
	Total	24	6	28

IV YEAR II SEMESTER

Code	Subject	L	T/P/D	C
A80452 A81102 A80527	Elective -III: Satellite Communications Biomedical Instrumentation Artificial Neural Networks	4	-	4
A80431 A80450 A80449	Elective -IV: Telecommunication Switching Systems and Networks Radar Systems Network Security	4	-	4
A80454 A80437 A80451	Elective -V: Wireless Communications and Networks Digital Signal Processors and Architectures RF Circuit Design	4	-	4
A80087	Industry Oriented Mini Project	-	-	2
A80089	Seminar	-	6	2
A80088	Major Project Work	-	15	10
A80090	Comprehensive Viva	-	-	2
	Total	12	21	28

2017-2018
CSC

IV YEAR I SEMESTER

Regulation: R – 15

Code	Subject	L	T/P/D	C
A70511	Linux Programming	4	-	4
A70530	Design Patterns	4	-	4
A70520	Data Warehousing and Data Mining	4	-	4
A70519	Cloud Computing	4	-	4
ELECTIVE – I				
A70540	Software Project Management	4	-	4
A70532	Image processing and Pattern			
A70536	RecognitionMobile Computing			
A70529	Computer Graphics			
A70352	Operations Research			
ELECTIVE – II				
A70534	Machine Learning	4	-	4
A70539	Soft Computing			
A70533	Information Retrieval Systems			
A70526	Artificial Intelligence			
A70628	Computer Forensics			
A70596	Linux Programming Lab	-	3	2
A70595	Data Warehousing and Mining Lab	-	3	2
Total		24	6	28

IV YEAR II SEMESTER

Regulation: R – 15

Code	Subject	L	T/P/D	C
A80014	Management Science	4	-	4
ELECTIVE III		4	-	4
A80551	Web Services			
A80538	Semantic Web and Social Networks			
A80537	Scripting Languages			
A80547	Multimedia & Rich Internet Applications			
ELECTIVE – IV		4	-	4
A80542	Ad hoc and Sensor Networks			
A80550	Storage Area Networks			
A80543	Database Security			
A80439	Embedded Systems			
A80087	Industry Oriented Mini Project	-	-	2
A80089	Seminar	-	6	2
A80088	Project Work	-	15	10
A80090	Comprehensive Viva	-	-	2
Total		12	21	28

Academic Year: 2017-18

Principal

Vaageswari College of Engineering
KARIMNAGAR-505 527.

Sl.No	Regulations	No.of Courses	Year of Study
1	R 16	54	I YEAR I & II Semester
2	R 16		II YEAR I & II Semester
3	R 15		III YEAR I & II Semester
4	R 13		IV YEAR I & II Semester

I YEAR I SEMESTER

Regulation: R - 16

S. No.	Course Code	Course Title	L	T	P	Credits
1	MA101BS	Mathematics-I	3	1	0	3
2	CH102BS	Engineering Chemistry	4	0	0	4
3	PH103BS	Engineering Physics-I	3	0	0	3
4	EN104HS	Professional Communication in English	3	0	0	3
5	ME105ES	Engineering Mechanics	3	0	0	3
6	EE106ES	Basic Electrical and Electronics Engineering	4	0	0	4
7	EN107HS	English Language Communication Skills Lab	0	0	3	2
8	ME108ES	Engineering Workshop	0	0	3	2
9	*EA109MC	NSS	0	0	0	0
		Total Credits	20	1	6	24

I YEAR II SEMESTER

Regulation: R - 16

S. No.	Course Code	Course Title	L	T	P	Credits
1	PH201BS	Engineering Physics-II	3	0	0	3
2	MA202BS	Mathematics-II	4	1	0	4
3	MA203BS	Mathematics-III	4	1	0	4
4	CS204ES	Computer Programming in C	3	0	0	3
5	ME205ES	Engineering Graphics	2	0	4	4
6	CH206BS	Engineering Chemistry Lab	0	0	3	2
7	PH207BS	Engineering Physics Lab	0	0	3	2
8	CS208ES	Computer Programming in C Lab	0	0	3	2
9	*EA209MC	NCC/NSO	0	0	0	0
		Total Credits	16	2	13	24

*Mandatory Course – Satisfactory/Unsatisfactory.

Principal
Vaggeswari College of Engineering
KARIMNAGAR-505 527.

II YEAR I SEMESTER**Regulation: R - 16**

S. No.	Course Code	Course Title	L	T	P	Credits
1	MA301BS	Mathematics – IV	4	1	0	4
2	CS302ES	Data Structures through C++	4	0	0	4
3	CS303ES	Mathematical Foundations of Computer Science	4	0	0	4
4	CS304ES	Digital Logic Design	3	0	0	3
5	CS305ES	Object Oriented Programming through Java	3	0	0	3
6	CS306ES	Data Structures through C++ Lab	0	0	3	2
7	CS307ES	IT Workshop	0	0	3	2
8	CS308ES	Object Oriented Programming through Java Lab	0	0	3	2
9	* MC300ES	Environmental Science and Technology	3	0	0	0
		Total Credits	21	1	9	24

II YEAR II SEMESTER**Regulation: R - 16**

S. No.	Course Code	Course Title	L	T	P	Credits
1	CS401BS	Computer Organization	4	0	0	4
2	CS402ES	Database Management Systems	4	0	0	4
3	CS403ES	Operating Systems	4	0	0	4
4	CS404ES	Formal Languages and Automata Theory	3	0	0	3
5	SM405MS	Business Economics and Financial Analysis	3	0	0	3
6	CS406ES	Computer Organization Lab	0	0	3	2
7	CS407ES	Database Management Systems Lab	0	0	3	2
8	CS408ES	Operating Systems Lab	0	0	3	2
9	* MC400HS	Gender Sensitization Lab	0	0	3	0
		Total Credits	18	0	12	24

III YEAR I SEMESTER**Regulation: R – 15**

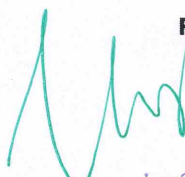
Code	Subject	L	T/P/D	C
A50511	Principles of Programming Languages	4	-	4
	OPEN ELECTIVE	4	-	4
A50018	Human Values and Professional Ethics			
A50017	Intellectual Property Rights			
A50117	Disaster Management			
A50518	Software Engineering	4	-	4
A50514	Compiler Design	4	-	4
A50510	Operating Systems	4	-	4
A50515	Computer Networks	4	-	4
A50589	Operating Systems Lab	-	3	2
A50587	Compiler Design Lab	-	3	2
	Total	24	6	28

III YEAR II SEMESTER**Regulation: R – 15**

Code	Subject	L	T/P/D	C
A60521	Distributed Systems	4	-	4
A60522	Information Security	4	-	4
A60524	Object Oriented Analysis and Design	4	-	4
A60525	Software Testing Methodologies	4	-	4
A60010	Managerial Economics and Financial Analysis	4	-	4
A60512	Web Technologies	4	-	4
A60591	Case Tools and Web Technologies Lab	-	3	2
A60086	Advanced Communication Skills Lab	-	3	2
	Total	24	6	28

IV YEAR I SEMESTER**Regulation: R – 13**

17



Principal
 Jaggeswari College of Engineering
 KARIMNAGAR-505 527.



VAAGESWARI COLLEGE OF ENGINEERING

Beside L.M.D Police Station, Ramakrishna Colony, Thimmapur, Karimnagar

(Approved by AICTE New Delhi & Affiliated to JNTU Hyderabad)

1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years (10)

DEPARTMENT OF MBA

ACADEMIC YEAR: 2017-18

Sl.No	Regulations	Average Percentage of Courses	Year of Study
1	R 17	18	I YEAR I & II Semester
2	R 15		II YEAR I & II Semester

COURSE STRUCTURE AND SYLLABUS

I Year I Semester

Regulation: R - 17

Course Code	Course Title	Int. marks	Ext. marks	L	T	P	C
17MBA01	Management and Organisational Behaviour	25	75	3	1	0	4
17MBA02	Business Economics	25	75	3	1	0	4
17MBA03	Financial Accounting & Analysis	25	75	3	1	0	4
17MBA04	Business Statistics	25	75	3	1	0	4
17MBA05	Business Law and Ethics	25	75	3	1	0	4
OPEN ELECTIVE-I 17MBA06	6A Business Research Methodology 6B Project Management 6C Technology Management 6D Rural Marketing	25	75	3	0	0	3
17MBA07	Business Communication - Lab	100	-	0	0	3	2
TOTAL		250	450	18	5	3	25

I Year II Semester

Regulation: R - 17

Course Code	Course Title	Intl marks	Ext marks	L	T	P	C
17MBA08	Human Resource Management	25	75	3	1	0	4
17MBA09	Marketing Management	25	75	3	1	0	4
17MBA10	Financial Management	25	75	3	1	0	4
17MBA11	Quantitative Analysis for Business Decisions	25	75	3	1	0	4
17MBA12	Entrepreneurship	25	75	3	1	0	4
OPEN ELECTIVE-II 17MBA13	13A Total Quality Management	25	75	3	0	0	3
	13B Corporate Governance						
	13C International Business						
	13D Supply Chain Management						
17MBA14	Summer Internship	100	-	0	0	3	2
TOTAL		250	450	18	5	3	25


Principal
Vaageswari College of Engineering
KARIMNAGAR-505

II Year I Semester

Regulation: R - 15

Category	Course Title	Int. marks	Ext. marks	L	P	C
Core Course I	PRODUCTION & OPERATIONS MANAGEMENT	25	75	3	-	3
Core Course II	STRATEGIC MANAGEMENT	25	75	3	-	3
Core Course III	RESEARCH METHDODOLOGY	25	75	3	-	3
Core Elective I	(MRKG/HRM/FIN)	25	75	3	-	3
Core Elective II	(MRKG/HRM/FIN)	25	75	3	-	3
Core Elective III	(MRKG/HRM/FIN)	25	75	3	-	3
Seminar	PERSONAL EFFECTIVENESS - SEMINAR	50	-	-	4	2
Seminar	BUSINESS BEST PRACTICES AND SUCCESS STORIES OF EMERGING LEADERS - SEMINAR	50	-	-	4	2
Total Credits				18	8	22

II Year II Semester

Regulation: R - 15

Category	Course Title	Int. marks	Ext. marks	L	P	C
Core Course I	ENTREPRENUERSHIP	25	75	3	-	3
Core Course II	MANAGEMENT OF TECHNOLOGY	25	75	3	-	3
Core Elective IV	(MRKG/HRM/FIN)	25	75	3	-	3
Core Elective V	(MRKG/HRM/FIN)	25	75	3	-	3
Core Elective VI	(MRKG/HRM/FIN)	25	75	3	-	3
Seminar	PRE SUBMISSION OF PROJECT -SEMINAR	50	-	-	4	2
	COMPREHENSIVE VIVA	-	100	-	4	2
	PROJECT	25	75	-		3
Total Credits				15	8	22


Principal
Vaageswari College of
KARIMNAGAR

CORE ELECTIVE STREAMS (choose any one stream subjects as Core Electives)

MARKETING ELECTIVES
CONSUMER BEHAVIOUR
SALES AND DISTRIBUTION
INTEGRATED MARKETING COMMUNICATIONS
FINANCE ELECTIVES
STRATEGIC MANAGEMENT ACCOUNTING
SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT
FINANCIAL INSTITUTIONS, MARKETS & SERVICES
HR ELECTIVES
PERFORMANCE MANAGEMENT
TRAINING AND DEVELOPMENT
MANAGEMENT OF INDUSTRIAL RELATIONS



Principal
Vaageswari College of Engineering
KARIMNAGAR-505 52



VAAGESWARI COLLEGE OF ENGINEERING

Beside L.M.D Police Station, Ramakrishna Colony, Thimmapur, Karimnagar
(Approved by AICTE New Delhi & Affiliated to JNTU Hyderabad)

1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years (10)

DEPARTMENT OF MCA

ACADEMIC YEAR: 2017-18

Sl.No	Regulations	Average Percentage of Courses	Year of Study
1	R 17	48	I YEAR I & II Semester
2	R 15		II YEAR I & II Semester
3	R 15		III YEAR I & II Semester

COURSE STRUCTURE AND SYLLABUS

I Year – I Semester

Regulation: R – 17

Category	Course Title	Int. marks	Ext. marks	L	P	C
Core Course - I	Mathematical Foundations of Computer Science	25	75	4	--	4
Core Course - II	Computer Organization	25	75	4	--	4
Core Course - III	Computer Programming Using C	25	75	4	--	4
Core Course - IV	Probability and Statistics	25	75	4	--	4
Core Course - V	Accounting and Financial Management	25	75	4	--	4
Laboratory - I	IT Workshop	25	75	--	3	2
Laboratory - II	Computer Programming Using C Lab	25	75	--	3	2
Laboratory - III	Computer Organization Lab	25	75	--	3	2
Total Credits		200	600	20	9	26

I Year – II Semester

Regulation: R – 17

Category	Course Title	Int. marks	Ext. marks	L	P	C
Core Course - I	Data Structures and Algorithms	25	75	4	--	4
Core Course - II	Object Oriented programming using C++	25	75	4	--	4
Core Course - III	Scripting Languages	25	75	4	--	4
Core Course - IV	Operations Research	25	75	4	--	4
Core Course - V	Software Engineering	25	75	4	--	4
Laboratory - I	Data Structures Lab Using C++	25	75	--	3	2
Laboratory - II	Scripting(Python) Lab	25	75	--	3	2
Laboratory - III	English Language Communication Skills Lab	25	75	--	3	2
Total Credits		200	600	20	9	26

Principal
Vaageswari College of Engineering
KARIMNAGAR-505 527.

II Year - I Semester

Regulation: R - 15

Category	Course Title	Int. Marks	Ext. Marks	L	P	C
Core Course - I	Data Base Management Systems	25	75	4	--	4
Core Course - II	Computer Networks	25	75	4	--	4
Core Course - III	Operating Systems	25	75	4	--	4
Core Course - IV	Object Oriented Analysis And Design Using Uml	25	75	4	--	4
Core Course - V	Java Programming	25	75	4	--	4
Laboratory - I	Database Management Systems Lab	25	75	--	3	2
Laboratory - II	Java Programming Lab	25	75	--	3	2
Total Credits		175	525	20	6	24

II Year - II Semester

Regulation: R - 15

Category	Course Title	Int. Marks	Ext. Marks	L	P	C
Core Course - I	Web Technologies	25	75	4	--	4
Core Course - II	Linux Programming	25	75	4	--	4
Core Elective-I	1. Management Information Systems 2. Organization Structure And Personnel Management 3. Information Security	25	75	4	--	4
Core Elective II	1. Distributed Systems 2. Software Process And Project Management 3. Soft Computing	25	75	4	--	4
Laboratory - I	Web Technologies Lab	25	75		3	2
Laboratory - II	Linux Programmng Lab	25	75	--	3	2
Total Credits		150	450	16	6	20


Principal
Vaageswari College of Engineer
KARIMNAGAR-505 527.

III Year - I Semester

Regulation: R - 15

Category	Course Title	Int. Marks	Ext. Marks	L	P	C
Core Course - I	Android Mobile Application Development	25	75	4	--	4
Core Course - II	Software Testing Methodologies	25	75	4	--	4
Core Elective-III	1. Web Services 2. Distributed Databases 3. Information Retrieval Systems	25	75	4	--	4
Core Elective-IV	1. Ethical Hacking 2. Multimedia And Rich Internet Applications 3. Semantic Web And Social Networks	25	75	4	--	4
Laboratory - I	Android Mobile Application Development Lab	25	75		3	2
Laboratory - II	Software Testing Methodologies And Uml Lab	25	75	--	3	2
Total Credits		150	450	16	6	20



Principal
Jyotswari College of Engineering
KARIMNAGAR-505 527.