

GUDLAVALLERU ENGINEERING COLLEGE

(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)

Seshadri Rao Knowledge Village, GUDLAVALLERU – 521 356

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Minutes of the 32nd Meeting of the Governing Body held on 09-06-2017, Friday in the Management Conference Hall.

32.01 To confirm the minutes of the Meeting of the 31st Governing Body held on 25-03-2017.

Resolution: The Minutes of the 31st Governing Body meeting held on 25-03-2017 have been confirmed.

32.02 To consider and finalize the revised Curriculum and Academic Regulations (R17 Regulations) of UG and PG programs to be effective from the academic year 2017-18.

Resolution: It is resolved and approved the revised curriculum and academic regulations (R17 regulations) of UG and PG Programs to be effective from the academic year 2017-18. The approved course structures of I B.Tech, PG-M.Tech and PG-MBA programs are given in **Annexure – A** (See Page No. 2)

32.03 Any other item with the permission of the chair.

-- NIL --

V. Nageswara Rao

Annexure – A

Major modifications in the course structures of UG & PG Programs:

i) UG – B.Tech Programs

- Providing more choices to the students in the form of Open Electives, Professional Electives, Self Study Courses and Optional Electives with true spirit of implementing the Choice Based Credit System (CBCS).
- Designing basic sciences courses on mathematics, physics and chemistry differently for different branches of engineering or for particular group of branches in order to satisfy the pre-requisites and also cover the related fields of applications.
- Introducing latest elective courses on cutting edge technologies, particularly in circuit branches.
- Designing optional elective courses from II Year 2nd semester to IV year 1st semester to enable the interested students to register and pursue for additional credits, mostly in inter disciplinary area.
- Removing the obsolete content in the syllabi of existing courses and including the latest developments in the related field of engineering.
- Making few courses, particularly computer programming courses, as integrated courses with theory and laboratory.
- Introducing one or two project based theory courses.

ii) PG – M.Tech Programs

- Introducing a course on Research Methodology.
- Introducing two project based theory courses.
- Introducing latest elective courses on cutting edge technologies.
- Removing the obsolete content in the syllabi of existing courses and including the latest developments in the related field of engineering.

Course Structures

B.Tech:

I) Civil Engineering

Curricular Components

Sl. No.	Course Work-Subject Area	Total No. of credits	% of Total credits	% of credits as per UGC
1	Basic Sciences (BS)	27	15.88	15-20
2	Humanities and Social Sciences (HSS)	17	10.00	10-15
3	Engineering Sciences (ES)	27	15.88	10-20
4	Professional Core (PC)	58	34.13	25-35
5	Professional Electives (PE)	15	8.82	8-12
6	Open Electives (OE) & Self Study Course	11	6.47	5-10
7	Other (Project, Survey Camp, Internship, etc.,)	15	8.82	8-10
8	Mandatory Non-Credit Courses			

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Course Structure

I Year 1st Semester

Sl. No.	Course Code	Name of the Course / Laboratory		No. of periods per week.			No. of Credits
				L	T	P	
1	EG2501	Functional English	HSS	4	-	-	3
2	MA2501	Linear Algebra & Differential Equations	BS	4	1	-	4
3	EN2502	Engineer and Society	HSS	3	-	-	2
4	CH2501	Engineering Chemistry	BS	3	-	-	2
5	CT2501	Problem Solving Using C *	BS	4	-	2	4
6	ME2501	Engineering Drawing	ES	1	-	4	3
7	EG2502	Functional English Lab	HSS	-	-	2	1
8	CH2502	Engineering Chemistry Lab	BS	-	-	2	1
Total :				19	1	10	20

* Integrated course with theory & practice

I Year 2nd Semester

Sl. No.	Course Code	Name of the Course / Laboratory		No. of periods per week.			No. of Credits
				L	T	P	
1	EG2503	Professional Communication	HSS	3	-	-	2
2	MA2503	Integral Transforms and Multiple Integrals	BS	3	1	-	3
3	EN2501	Environmental Studies	HSS	3	-	-	2
4	PH2501	Engineering Physics	BS	3	1	-	3
5	CE2501	Engineering Mechanics	ES	4	1	-	4
6	EG2504	Professional Communication Lab	HSS	-	-	4	2
7	PH2503	Computer Aided Drafting Lab	ES	-	-	4	2
8	CH2502	Engineering Physics Lab	BS	-	-	2	1
9	CE2503	Applied Mechanics Lab & Building Trade Practice	ES	-	-	2	1
Total :				16	3	12	20

II) Electrical and Electronics Engineering

Curricular Component

Sl. No.	Course Work-Subject Area	Total no. of credits	% of Total Credits	% of credits as per UGC
1	Basic Sciences (BS)	27	15.88	15-20
2	Humanities and Social Sciences (HSS)	17	10.00	10-15
3	Engineering Sciences (ES)	27	15.88	10-20
4	Professional Core (PC)	57	33.54	25-35
5	Professional Electives (PE)	15	8.82	8-12
6	Open Electives (OE) & Self Study Course	11	6.47	5-10
7	Other (Project, Internship, etc.)	16	9.41	8-10
8	Mandatory Non-Credit Courses			

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Course Structure

I Year 1st Semester

Sl. No.	Course code	Name of the Course / Laboratory		No. of periods per week			Total Credits
				L	T	P	
1	EG2501	Functional English	HSS	4	-	-	3
2	MA2501	Linear Algebra and Differential Equations	BS	4	1	-	4
3	EN2502	Engineer and Society	HSS	3	-	-	2
4	CH2503	Applied Chemistry	BS	3	-	-	2
5	CT2501	Problem Solving using C *	HSS	4	-	2	4
6	ME2501	Engineering Drawing	ES	1	-	4	3
7	EG2502	Functional English Lab	HSS	-	-	2	1
8	CH2504	Applied Chemistry Lab	BS	-	-	2	1
Total:				19	1	10	20

* Integrated theory & practice course

I Year 2nd Semester

Sl. No.	Course code	Name of the Course / Laboratory		No. of periods per week			Total Credits
				L	T	P	
1	EG2503	Professional Communication	HSS	3	-	-	2
2	MA2504	Integral Transforms & Vector Calculus	BS	4	1	-	4
3	EE2507	Elements of Electrical Circuits	ES	3	1	-	3
4	PH2504	Solid State Physics	BS	4	-	-	3
5	EN2501	Environmental Studies	HSS	3	-	-	2
6	ME2503	Elements of Mechanical Engineering	ES	3	1	-	3
7	EG2504	Professional Communication lab	HSS	-	-	4	2
8	PH2505	Solid State Physics Lab	BS	-	-	2	1
Total:				20	3	6	20

III) Mechanical Engineering

Curricular Components

Sl. No.	Course Work-Subject Area	Total no. of credits	% of Total credits	% of credits as per UGC
1	Basic Sciences (BS)	26	15.30	15-20
2	Humanities and Social Sciences (HSS)	18	10.59	10-15
3	Engineering Sciences (ES)	25	14.71	10-20
4	Professional Core (PC)	59	34.70	25-35
5	Professional Electives (PE)	15	8.82	8-12
6	Open Electives (OE) & Self Study Course	11	6.47	5-10
7	Other (Project, Internship, etc.)	16	9.41	8-10
8	Mandatory Non-Credit Courses			

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Course Structure

I Year 1st Semester

S. No.	Course Code	Name of the Course / Laboratory		No. of periods per week			No. of Credits
				L	T	P	
1	EG2501	Functional English	HSS	4	-	-	3
2	MA2501	Linear Algebra & Differential Equations	BS	4	1	-	4
3	PH2502	Physics for Engineers	BS	3	1	-	3
4	EN2501	Environmental Studies	HSS	4	-	-	2
5	CT2501	Problem Solving Using C *	BS	4	-	2	4
6	ME2505	Engineering Graphics	ES	1	-	4	3
7	EG2502	Functional English Lab	HSS	-	-	2	1
8	PH2503	Engineering Physics Lab	BS	-	-	2	1
Total:				19	2	10	21

* Integrated theory & practice course

I Year 2nd Semester

S. No.	Course Code	Name of the Course / Laboratory		No. of periods per week			No. of Credits
				L	T	P	
1	EG2503	Professional Communication	HSS	3	-	-	2
2	MA2503	Integral Transforms and Multiple Integrals	BS	3	1	-	3
3	EN2502	Engineer & Society	HSS	3	-	-	2
4	CH2505	Industrial Chemistry	BS	3	-	-	3
5	CE2501	Engineering Mechanics	ES	4	1	-	4
6	ME2506	Computer Aided Engineering Drawing	ES	-	-	2	1
7	ME2507	Engineering Workshop	ES	-	-	2	1
8	EG2504	Professional Communication Lab	HSS	-	-	4	2
9	ME2508	Fuels and Lubricants & Engineering Mechanics Lab	BS	-	-	2	1
Total:				16	2	10	19

IV) Electronics and Communication Engineering

Curricular Components

Sl. No.	Course Work-Subject Area	Total no. of credits	% of Total credits	% of credits as per UGC
1	Basic Sciences (BS)	26	15.30	15-20
2	Humanities and Social Sciences (HSS)	17	10.00	10-15
3	Engineering Sciences (ES)	26	15.30	10-20
4	Professional Core (PC)	59	34.70	25-35
5	Professional Electives (PE)	15	8.82	8-12
6	Open Electives (OE) & Self Study Course	11	6.47	5-10
7	Other (Project, Internship, etc.)	16	9.41	8-10
8	Mandatory Non-Credit Courses	-	-	-

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Course Structure

I Year 1st Semester

S. No.	Course Code	Name of the Course / Laboratory		No. of Periods per week			Total No. of Credits
				L	T	P	
1	EG2501	Functional English	HSS	4	-	-	3
2	MA2501	Linear Algebra & Differential Equations	BS	4	1	-	4
3	EN2502	Engineer & Society	HSS	3	-	-	2
4	PH2504	Solid-State Physics	BS	4	-	-	3
5	CT2502	Problem Solving through Computer Programming	ES	4	-	-	3
6	EG2502	Functional English Lab	HSS	-	-	2	1
7	PH2505	Solid-State Physics Lab	BS	-	-	2	1
8	CT2503	Computer Programming Lab	ES	-	-	4	2
Total :				19	1	8	19

I Year 2nd Semester

S. No.	Course Code	Name of the Course / Laboratory		No. of Periods per week			No. of Credits
				L	T	P	
1	EG2503	Professional Communication	HSS	3	-	-	2
2	MA2504	Integral Transforms and Vector Calculus	BS	4	1	-	4
3	CH2503	Applied Chemistry	BS	3	-	-	2
4	EN2501	Environmental Studies	HSS	3	-	-	2
5	EE2504	Linear Electrical Networks	ES	3	-	-	2
6	MA2505	Numerical Methods & Complex Analysis	BS	3	1	-	3
7	ME2501	Engineering Drawing	ES	1	-	4	3
8	EG2504	Professional Communication Lab	HSS	-	-	4	2
9	CH2504	Applied Chemistry Lab	BS	-	-	2	1
Total :				20	2	10	21

V) Computer Science and Engineering

Curricular Components

Sl. No.	Course Work-Subject Area	Total no. of credits	% of Total credits	% of credits as per UGC
1	Basic Sciences (BS)	26	15.30	15-20
2	Humanities and Social Sciences (HSS)	17	10.00	10-15
3	Engineering Sciences (ES)	26	15.30	10-20
4	Professional Core (PC)	59	34.70	25-35
5	Professional Electives (PE)	15	8.82	8-12
6	Open Electives & Self Study Course	11	6.47	5-10
7	Other (Project, Internship, etc.)	16	9.41	8-10
8	Mandatory Non-Credit Courses	-	-	-

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Course Structure

I Year 1st Semester

Sl. No.	Course Code	Name of the Course / Laboratory		No. of Periods Per Week			Total Credits
				L	T	P	
1	EG2501	Functional English	HSS	4	-	-	3
2	MA2502	Linear Algebra & Integral transforms	BS	4	1	-	4
3	CH2506	Chemistry	BS	4	-	-	3
4	EN2501	Environmental Studies	HSS	3	-	-	2
5	EE2506	Basic Electrical Engineering	ES	3	-	-	2
6	CT2502	Problem Solving through Computer Programming	ES	4	-	-	3
7	EG2502	Functional English Lab	HSS	-	-	2	1
8	CT2503	Computer Programming Lab	ES	-	-	4	2
Total :				22	1	6	20

I Year 2nd Semester

Sl. No.	Course Code	Name of the Course / Laboratory		No. of Periods Per Week			Total Credits
				L	T	P	
1	EG2503	Professional Communication	HSS	3	-	-	2
2	MA2506	Numerical Methods and Differential Equations	BS	4	1	-	4
3	PH2506	Applied Physics	BS	4	-	-	3
4	EN2502	Engineer and Society	HSS	3	-	-	2
5	EC2501	Elements of Electronics Engineering	ES	3	1	-	3
6	CT2504	Python Programming *	ES	3	-	2	3
7	EG2504	Professional Communication Lab	HSS	-	-	4	2
8	PH2507	Applied Physics Lab	BS	-	-	2	1
Total :				20	2	8	20

* Integrated theory & practice course

VI) Information Technology

Curricular Components

Sl. No.	Course Work-Subject Area	Total no. of credits	% of Total credits	% of credits as per UGC
1	Basic Sciences (BS)	26	15.30	15-20
2	Humanities and Social Sciences (HSS)	17	10.00	10-15
3	Engineering Sciences (ES)	26	15.30	10-20
4	Professional Core (PC)	59	34.70	25-35
5	Professional Electives (PE)	15	8.82	8-12
6	Open Electives & Self Study Course	11	6.47	5-10
7	Other (Project, Internship, etc.)	16	9.41	8-10
8	Mandatory Non-Credit Courses	-	-	-

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Course Structure

I Year 1st Semester

Sl. No.	Course Code	Name of the Course / Laboratory		No. of Periods Per Week			Total No. of Credits
				L	T	P	
1	EG2501	Functional English	HSS	4	-	-	3
2	MA2502	Linear Algebra and Integral Transforms	BS	4	1	-	4
3	PH2506	Applied Physics	BS	4	-	-	3
4	EN2501	Environmental Studies	HSS	3	-	-	2
5	CT2502	Problem Solving through Computer Programming	ES	4	-	-	3
6	EG2502	Functional English Lab	HSS	-	-	2	1
7	PH2507	Applied Physics Lab	BS	-	-	2	1
8	CT2503	Computer Programming Lab	ES	-	-	4	2
Total :				19	1	8	19

I Year 2nd Semester

Sl. No.	Course Code	Name of the Course / Laboratory		No. of Periods Per Week			Total No. of Credits
				L	T	P	
1	EG2503	Professional Communication	HSS	3	-	-	2
2	MA2506	Numerical Methods and Differential	BS	4	1	-	4
3	CH2506	Chemistry	BS	4	-	-	3
4	EN2502	Engineer and Society	HSS	3	-	-	2
5	EC2501	Elements of Electronics Engineering	ES	3	1	-	3
6	CT2504	Python Programming *	ES	3	-	2	3
7	EG2504	Professional Communication Lab	HSS	-	-	4	2
8	EC2502	Elements of Electronics Engineering Lab	ES	-	-	4	2
Total :				20	2	8	21

* Integrated theory & practice course

M.Tech:

I) Structural Engineering

I Semester

Sl. No.	Name of the Course / Laboratory		No. of periods per week		No. of Credits
			L	P	
1	Computational methods in Engineering *	BS	3	2	3
2	Structural Dynamics	ES	4	-	3
3	Theory of Elasticity	PC	4	-	3
4	Advanced Design of Concrete Structures **	PC	3	2	3
5	Stability of Structures	PC	4	-	3
6	Professional Elective – I				
	i) Advanced Concrete Technology	PE	4	-	3
	ii) Ground Improvement Techniques				
iii) Structural Optimization					
7	Advanced Concrete Technology and Structural Engg. Lab	PC	-	4	2
Total :			22	8	20

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II Semester

Sl. No.	Name of the Course / Laboratory		No. of periods per week		No. of Credits
			L	P	
1	Research Methodology	HSS	4	-	3
2	Earthquake Resistant Design **	PC	3	2	3
3	Finite Element Analysis *	PC	3	2	3
4	Theory of Plates and Shells	PC	4	-	3
5	Professional Elective – II	PE	4	-	3
	i) Advanced Design of Steel Structures				
	ii) Prestressed Concrete				
6	Professional Elective – III	PE	4	-	3
	i) Design of Substructures				
	ii) Design of Bridge Structures				
7	Computer Applications in Structural Engg Lab	PC	-	4	2
8	Seminar	P	-	-	2
Total :			22	8	22

III Semester

Sl. No.	Name of the Course / Laboratory		No. of periods per week		No. of Credits
			L	P	
1	Term paper	P	-	4	2
2	Dissertation (Initiated in third semester)	P	-	-	-
Total :			-	4	02

IV Semester

Sl. No.	Name of the Course / Laboratory		No. of periods per week		No. of Credits
			L	P	
1	Dissertation (Carried out in third & fourth semesters)	P	-	52	26
Total :			-	52	26

**** Project Based theory course**

II) Power Electronics and Electric Drives

I Semester

Sl. No.	Name of the Course / Laboratory		No. of periods per week		No. of Credits
			L	P	
1	Linear and Non-Linear Optimization Techniques	BS	4	-	3
2	Digital Signal Processing & Field Programmable Gate Arrive **	PC	3	2	3
3	Analysis of Power Electronic Converters	PC	4	-	3
4	Electrical Machine Modeling and Analysis	PC	4	-	3
5	Modern Control Theory	PC	4	-	3
6	Professional Elective – I	PE	4	-	3
	i) Power Semiconductor Devices & Protection				
	ii) Special Machines and control				
7	Power Electronic System Simulation Lab		-	4	2
Total :			23	6	20

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II Semester

Sl. No.	Name of the Course / Laboratory		No. of periods per week		No. of Credits
			L	P	
1	Research Methodology	HSS	4	-	3
2	Advanced Digital Control Systems	ES	4	-	3
3	Switched Mode Power Converters **	PC	3	2	3
4	Advanced Electric Drives	PC	4	-	3
5	Professional Elective – II i) Renewable Energy Systems Energy Storage ii) Application of power Electronics to Power Systems iii) Custom Power Devices	PE	4	-	3
6	Professional Elective – III i) Digital Signal Processing and Applications ii) Robotics & Control iii) Smart Grids	PE	4	-	3
7	Power Electronics and Electric Drives Lab	PC	-	4	2
8	Seminar	P	-	-	2
			23	6	22

III Semester

Sl. No.	Name of the Course / Laboratory		No. of periods per week		No. of Credits
			L	P	
1	Term paper	P	-	4	2
2	Dissertation (Initiated in third semester)	P	-	-	-
Total :			-	4	02

IV Semester

Sl. No.	Name of the Course / Laboratory		No. of periods per week		No. of Credits
			L	P	
1	Dissertation (Carried out in third & fourth semesters)	P	-	52	26
Total :			-	52	26

** Project Based theory course

III) Machine Design

I Semester

S. No.	Course Title		No. of periods per week		No. of Credits
			L	P	
1	Computational Methods in Engineering	BS	4	-	3
2	Advanced Mechanics of Solids	ES	4	-	3
3	Analysis and Synthesis of Mechanisms	PC	4	-	3
4	Mechanical Vibrations **	PC	3	2	3
5	Gear Engineering	PC	4	-	3
6	Professional Elective – I i) Product Design ii) Rotor Dynamics iii) Experimental Stress Analysis	PE	4	-	2
7	Machine Dynamics Lab	PC	-	4	3
Total :			23	6	20

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II Semester

S. No.	Course Title		No. of periods per week		No. of Credits
			L	P	
1	Research Methodologies	HSS	4	-	3
2	Finite Element Methods **	PC	3	2	3
3	Geometrical Modeling	PC	4	-	3
4	Design for Manufacturing and Assembly	PC	4	-	3
5	Professional Elective – II	PE	4	-	3
	i) Fracture Mechanics				
	ii) Condition Monitoring				
6	Professional Elective – III	PE	4	-	3
	i) Theory of Elasticity				
	ii) Computational Fluid Dynamics				
7	Modeling and Analysis Lab	PC	-	4	2
8	Seminar	PC	-	-	2
Total :			23	6	22

III Semester

Sl. No.	Name of the Course / Laboratory		No. of periods per week		No. of Credits
			L	P	
1	Term paper	P	-	4	2
2	Dissertation (Initiated in third semester)	P	-	-	-
Total :			-	4	2

IV Semester

Sl. No.	Name of the Course / Laboratory		No. of periods per week		No. of Credits
			L	P	
1	Dissertation (Carried out in third & fourth semesters)	P	-	52	26
Total :			-	52	26

**** Project Based theory course**

IV) Embedded Systems

I Semester

Sl. No.	Name of the Course / Laboratory		No. of periods per week		No. of Credits
			L	P	
1	Linear and Non-Linear Optimization Techniques	BS	4	-	3
2	FPGA Design**	PC	3	1	3
3	Advanced Digital Signal Processing	PC	4	-	3
4	Embedded Networking	PC	4	-	3
5	Real Time Operating Systems	PC	4	-	3
6	Professional Elective – I	PE	4	-	3
	i) Advanced Microcontrollers				
	ii) Sensors and Actuators				
7	iii) Low Power VLSI	PC	-	4	2
	FPGA Lab				
Total :			23	6	20

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II Semester

Sl. No.	Name of the Course / Laboratory		No. of periods per week		No. of Credits
			L	P	
1	Research Methodologies	HSS	4	-	3
2	Advanced Embedded Systems **	PC	3	2	3
3	CMOS Analog and Digital Design	PC	4	-	3
4	Internet of Things	ES	4	-	3
5	Professional Elective – II	PE	4	-	3
	i) SoC Design				
	ii) Embedded C				
6	Professional Elective – III	PE	4	-	3
	i) Micro Electro Mechanical Systems				
	ii) Hardware Software Co-Design				
7	Embedded Systems Lab	PC	-	4	2
8	Seminar	PC	-	-	2
Total			23	6	22

III Semester

Sl. No.	Name of the Course / Laboratory		No. of periods per week		No. of Credits
			L	P	
1	Term paper	P	-	4	2
2	Dissertation (Initiated in third semester)	P	-	-	-
Total :			-	4	2

IV Semester

Sl. No.	Name of the Course / Laboratory		No. of periods per week		No. of Credits
			L	P	
1	Dissertation (Carried out in third & fourth semesters)	P	-	52	26
Total :			-	52	26

** Project Based theory course

V) Computer Science and Engineering

I Semester

Sl. No.	Name of the Course / Laboratory		No. of periods per week		No. of Credits
			L	P	
1	Statistics with R Programming	BS	4	-	3
2	Advanced Data Structures & Algorithm Analysis	ES	4	-	3
3	Advanced Operating System	PC	4	-	3
4	Object Oriented Software Engineering	PC	4	-	3
5	Business Intelligence **	PC	3	2	3
6	Professional Elective – I	PE	4	-	3
	i) Digital Image Processing				
	ii) Wireless Networks				
7	Software Lab-I (ADSA & R-Programming)	PC	-	4	2
Total :			23	6	20

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II Semester

Sl. No.	Name of the Course / Laboratory		No. of periods per week		No. of Credits
			L	P	
1	Research Methodologies	HSS	4	-	3
2	Information Security	PC	4	-	3
3	Advanced Computer Architecture	PC	4	-	3
4	Data Analytics **	PC	3	2	3
5	Professional Elective – II	PE	4	-	3
	i) Machine Learning				
	ii) Scripting Languages				
6	Professional Elective – III	PE	4	-	3
	i) Soft Computing				
	ii) Cloud Computing				
7	Software Lab-2 (Information security & Data Analytics Lab)	PC	-	4	2
8	Seminar	P	-	-	2
Total :			23	6	22

III Semester

Sl. No.	Name of the Course / Laboratory		No. of periods per week		No. of Credits
			L	P	
1	Term paper	P	-	4	2
2	Dissertation (Initiated in third semester)	P	-	-	-
Total :			-	4	2

IV Semester

Sl. No.	Name of the Course / Laboratory		No. of periods per week		No. of Credits
			L	P	
1	Dissertation (Carried out in third & fourth semesters)	P	-	52	26
Total :			-	52	26

**** Project Based theory course**

VI) Computer Networks and Information Security

I Semester

Sl. No.	Name of the Course / Laboratory		No. of periods per week		Total Credits
			L	P	
1	Advanced Discrete Mathematical Structures	BS	4	-	3
2	Advanced Data Structures and Algorithms	ES	4	-	3
3	Advanced Computer Networks **	PC	3	2	3
4	Cryptography and Crypt Analysis	PC	4	-	3
5	Operating System Security	PC	4	-	3
6	Professional Elective – I	PE	4	-	3
	i) Cyber Laws				
	ii) Database Security				
7	Software Lab-1	PC	-	4	2
Total :			23	6	20

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II Semester

S. No.	Name of the Course		No. of periods per week		Total Credits	
			L	P		
1	Research Methodologies	HSS	4	-	3	
2	Computer Security Audit and Assurance	PC	4	-	3	
3	Biometric Security **	PC	3	2	3	
4	Security in E-Commerce	PC	4	-	3	
5	Professional Elective – II		PE	4	-	3
	i) Computer Forensics and Cyber Security					
	ii) Big Data Analytics					
6	Professional Elective – III		PE	4	-	3
	i) Cloud Computing					
	ii) Ethical Hacking					
7	Software Lab-2	PC	-	4	2	
8	Seminar	P	-	2	2	
TOTAL			24	6	22	

III Semester

Sl. No.	Name of the Course / Laboratory		No. of periods per week		No. of Credits
			L	P	
1	Term paper	P	0	4	2
2	Dissertation (Initiated in third semester)	P	-	-	-
Total :			0	4	2

IV Semester

Sl. No.	Name of the Course / Laboratory		No. of periods per week		No. of Credits
			L	P	
1	Dissertation (Carried out in third & fourth semesters)	P	0	52	26
Total :			0	52	26

**** Project Based theory course**

MBA:

I Semester

S. No.	Name of the Course / Laboratory	No. of periods per week			No. of Credits
		L	T	P	
1	Perspectives of Management	4	-	-	3
2	Managerial Economics	4	-	-	3
3	Accounting for Managers	4	-	-	3
4	Business Communication	4	-	-	3
5	Business Environment and Legislation	4	-	-	3
6	Quantitative Analysis for Business Decisions	3	1	-	3
7	Business Law	4	-	-	3
8	Information Technology Lab for Business Management	-	-	4	2
Total :		27	1	4	23

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II Semester

S. No.	Name of the Course / Laboratory	No. of periods per week			No. of Credits
		L	T	P	
1	Financial Management	4	-	-	3
2	Marketing Management	4	-	-	3
3	Human Resource Management	4	-	-	3
4	Production & Operations Management	4	-	-	3
5	Business Research Methods	3	1	-	3
6	International Business	4	-	-	3
7	Organizational Behaviour	4	-	-	3
Total :		27	1	-	21

III Semester

S. No.	Name of the Course / Laboratory	No. of periods per week			No. of Credits
		L	T	P	
1	Business Policy & Strategic Management	4	-	-	3
2	Logistics & Supply Chain Management	4	-	-	3
3	E- Business	4	-	-	3
4	Business Ethics & Corporate Governance	4	-	-	3
5	Elective Subject –I	4	-	-	3
6	Elective Subject –II	4	-	-	3
7	Elective Subject –III	4	-	-	3
8	Elective Subject –IV	4	-	-	3
Total :		32	-	-	24

IV Semester

S. No.	Name of the Course / Laboratory	No. of periods per week			No. of Credits
		L	T	P	
1	Entrepreneurship & Project Management	4	-	-	3
2	Elective Subject –I	4	-	-	3
3	Elective Subject –II	4	-	-	3
4	Elective Subject –III	4	-	-	3
5	Elective Subject –IV	4	-	-	3
6	Project Report	-	-	12	6
7	Comprehensive Viva - Voce	-	-	-	1
Total					22

Electives:

III Semester	IV Semester
Marketing: Advertising and Brand Management Consumer Behaviour Finance: Security Analysis and Portfolio Mgmt. International Financial Management HR: Training and Development Industrial Relations and Labour Laws	Marketing of Services Sales and Distribution Management Financial Derivatives Financial Institutions and Services Compensation Management Management of Change and Development

V. Nageswari Reddy