

GUDLAVALLERU ENGINEERING COLLEGE

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



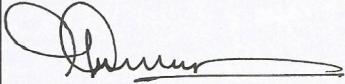
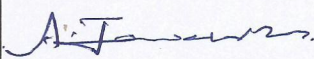

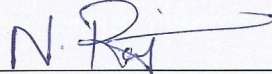
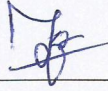
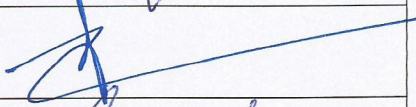
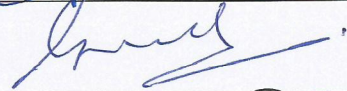
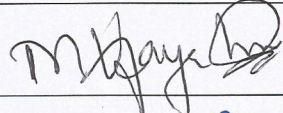
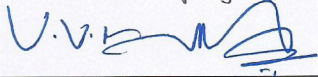
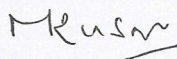
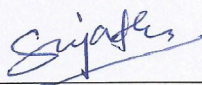
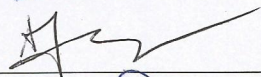
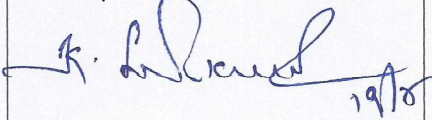
Seshadri Rao Knowledge Village

Gudlavalleru – 521 356, Krishna District, Andhra Pradesh

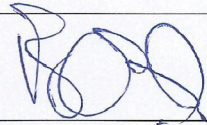
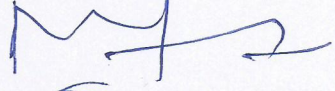
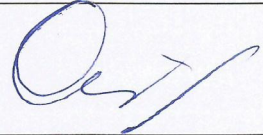

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The Ninth Meeting of Academic Council of Gudlavalleru Engineering College (Autonomous), Seshadri Rao Knowledge Village, Gudlavalleru is held today i.e. 19-05-2017 (Friday) at 10-30 AM in the Management's Conference Hall of the college under the Chairmanship of Dr. P. Nageswara Reddy, Principal of the College.

MEMBERS PRESENT:

Sl. No.	Name of the Member	Designation	Signature
1	Dr. P. Nageswara Reddy Principal	Chairman	
2	Dr. P. Kodanda Rama Rao Professor & HoD of CE	Member	
3	Dr. M. Siva Kumar Professor & HoD of EEE	Member	
4	Dr. A. Jawahar Babu Professor & HoD of ME	Member	
5	Dr. M. Kamaraju Professor & HoD of ECE	Member	
6	Mrs. N. Rajeswari Associate Professor & HoD (I/c) of CSE	Member	
7	Dr. M. V. L. N. Raja Rao Professor & HoD of IT	Member	
8	Dr. Ch. Nirmal Chand Professor & HoD of MBA	Member	
9	Dr. G. S. Bhaskara Rao Professor of Mathematics & HoD of BS&H	Member	
10	Dr. M. Vijaya Lakshmi Associate Professor & HoD of English	Member	
11	Dr. V. V. K. D. V. Prasad Professor of ECE	Member	
12	Dr. M. R. Ch. Sastry Professor of ME	Member	
13	Mrs. Ch. Sujatha Associate Professor of EEE	Member	
14	Mr. A. H. L. Swarup Sr.Gr.Asst.Professor of CE	Member	
15	Dr. K. Lal Kishore Director, R&D, CVR College of Engg., Hyderabad Former Vice – Chancellor, JNTUA, Ananthapur, Former Rector, JNTUH, Hyderabad	Member	

(Contd.....2)

16	Dr. D. V. L. N. Somayajulu Professor of CSE, NIT, Warrangal	Member	Could not attend.
17	Dr. B. G. Barki Professor of Education & Former Director of NITTTR, Chennai	Member	
18	Dr. Parimi S.R. Professor of Civil Engineering and Structural Engg. Consultant, Vijayawada,	Member	
19	Dr. Ramanujam Parthasarathy Professor of English, G3, Sreeja Apartments, Srinivasa Nagar Bank Colony, Vijayawada.	Member	
20	Mr. J. S. R. K. Prasad CEO, Better Castings Pvt. Limited, JRD Tata Industrial Estate, Gantivari Street, Christurajapuram, Kanuru, Vijayawada – 520 007.	Member	Could not attend
21	Mr. Jaya Rama Krishna Nutulapati Client Partner & Principal Consultant, Tata Consultancy Services, Hyderabad,	Member	Could not attend
22	Dr. Ch. Satyanarayana Professor of CSE and Director, Academics & Planning, JNTUK, Kakinada	Member	Could not attend
23	Prof. P. Subba Rao Professor of Civil Engineering, Director of Evaluation, JNTUK, Kakinada.	Member	Could not attend
24	Dr. G. Abbaiah Professor of Civil Engineering, University College of Engineering, JNTUK, Kakinada.	Member	
25	Dr. G. V. S. N. R. V. Prasad Professor of CSE and Dean Academic Affairs	Member Secretary (I/c)	

GUDLAVALLERU ENGINEERING COLLEGE

Seshadri Rao Knowledge Village, GUDLAVALLERU – 521 356

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Minutes of the Ninth Meeting of the Academic Council held on 19-05-2017, Friday in the Management Conference Hall.

9.1 To confirm the minutes of the last Meeting of the Academic Council held on 18-02-2017.

Resolution : The Minutes of the 8th Academic Council meeting held on 18-02-2017 have been confirmed.

9.2 To discuss and finalize the course structures of UG & PG programs to be effective from the academic year 2017-18.

Resolution : It is resolved and approved the course structures of I B.Tech and tentative course structures of II, III and IV B.Tech to be effective from the academic year 2017-18.

It is also resolved and approved the course structure of PG M.Tech and MBA programs to be effective from the academic year 2017-18.

The approved course structures of UG – B.Tech programs and PG – M.Tech and MBA programs are given in Annexure – A (See Page No. 4).

9.3 To discuss and finalize the course content of First Year courses of UG & PG programs to be effective from the academic year 2017-18.

Resolution : It is resolved and approved the course content of I Year B.Tech courses and M.Tech and MBA courses to be effective from the academic year 2017-18.

9.4 To discuss and approve the R17 academic regulations.

Resolution : It is resolved and approved the academic regulations (R17) of UG B.Tech programs and PG M.Tech and MBA programs to be effective from the academic year 2017-18. The detailed academic regulations (R17) of UG & PG programs are given in Annexure – B (See Page No. 18).

9.5 Any other matter with the permission of the chair.

i) To review the semester end examination results.

The Academic Council reviewed and ratified the Second Semester End Examinations results for the academic year 2016-17.

UG – B.Tech Programs:

II B.Tech 2nd Semester (R14) (2015 Admitted) Regular Examinations, April 2017

Subject	Reg.	App.	Passed	Failed	Reg. Pass %	App. Pass %
Civil Engineering	208	203	151	52	72.60	74.38
Electrical and Electronics Engineering	205	203	167	36	81.46	82.27
Mechanical Engineering	214	213	164	49	76.64	77.00
Electronics and Communication Engineering	285	280	257	23	90.18	91.79
Computer Science and Engineering	274	271	226	45	82.48	83.39
Information Technology	110	109	81	28	73.64	74.31
Overall Pass Percentage	1296	1279	1046	233	80.71	81.78

III B.Tech 2nd Semester (R14) (2014 Admitted) Regular Examinations, April 2017

Subject	Reg.	App.	Passed	Failed	Reg. Pass %	App. Pass %
Civil Engineering	197	193	179	14	90.86	92.75
Electrical and Electronics Engineering	163	162	149	13	91.41	91.98
Mechanical Engineering	203	201	160	41	78.82	79.60
Electronics and Communication Engineering	265	258	242	16	91.32	93.80
Computer Science and Engineering	198	198	183	15	92.42	92.42
Information Technology	97	97	80	17	82.47	82.47
Overall Pass Percentage	1123	1109	993	116	88.42	89.54

PG – M.Tech Programs:

M.Tech I Semester (R14) (2016 Admitted) Regular Examinations, January 2017

Subject	Reg.	App.	Passed	Failed	Reg. Pass %	App. Pass %
Structural Engineering	16	16	15	1	93.75	93.75
Power Electronics and Electric Drives	10	10	9	1	90.00	90.00
Machine Design	12	12	10	2	83.33	83.33
Digital Electronics and Communication Systems	8	8	7	1	87.50	87.50
Embedded Systems	11	11	9	2	81.82	81.82
Computer Science and Engineering	8	8	8	0	100.00	100.00
Overall Pass Percentage	65	65	58	7	89.23	89.23

M.Tech III Semester (R14) (2015 Admitted) Regular Examinations, Dec. 2016

Subject	Reg.	App.	Passed	Failed	Reg. Pass %	App. Pass %
Structural Engineering	21	21	21	0	100.00	100.00
Power Electronics and Electric Drives	24	24	24	0	100.00	100.00
Control Systems	11	11	11	0	100.00	100.00
Machine Design	19	19	18	1	94.74	94.74
Digital Electronics and Communication Systems	16	16	16	0	100.00	100.00
Embedded Systems	22	22	22	0	100.00	100.00
Computer Science and Engineering	26	26	26	0	100.00	100.00
Overall Pass Percentage	139	139	138	1	99.28	99.28

P. N. Ganesan

Annexure – A
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			

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

P. Nagaraj

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			

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

Pragya

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			

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

P. Nagaraj

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	-	-	-

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

Pragathi

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	-	-	-

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

P. N. Ganesan

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	-	-	-

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 Equations	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

Pragya

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	PE	4	-	3
	i) Advanced Concrete Technology				
	ii) Ground Improvement Techniques				
7	iii) Structural Optimization	PC	-	4	2
	Advanced Concrete Technology and Structural Engineering Lab				
Total :			22	8	20

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	iii) Fracture Mechanics of Concrete	PE	4	-	3
	Professional Elective – III				
7	i) Design of Substructures	PE	4	-	3
	ii) Design of Bridge Structures				
	iii) High Rise Buildings				
8	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

P. N. S. S. S.

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				
	iii) HVDC Transmission systems				
7	Power Electronic System Simulation Lab		-	4	2
			23	6	20

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	PE	4	-	3
	i) Renewable Energy Systems Energy Storage				
	ii) Application of power Electronics to Power Systems				
	iii) Custom Power Devices				
6	Professional Elective – III	PE	4	-	3
	i) Digital Signal Processing and Applications				
	ii) Robotics & Control				
	iii) Smart Grids				
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

P. N. Ganesan

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

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 i) Fracture Mechanics ii) Condition Monitoring iii) Rapid Tooling and Prototyping	PE	4	-	3
6	Professional Elective – III i) Theory of Elasticity ii) Computational Fluid Dynamics iii) Tribology	PE	4	-	3
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

P. Nagaraj

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				
	iii) Low Power VLSI				
7	FPGA Lab	PC	-	4	2
Total :			23	6	20

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				
	iii) Hardware Description Languages				
6	Professional Elective – III	PE	4	-	3
	i) Micro Electro Mechanical Systems				
	ii) Hardware Software Co-Design				
	iii) Fabrication Process				
7	Embedded Systems Lab	PC	-	4	2
8	Seminar	PC	-	-	2
Total			23	6	22

III Semester

Sl. No.	Course Code	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.	Course Code	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

P. Nagaraj

V) Computer Science and Engineering

I Semester

Sl. No.	Course code	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					
	iii) E-Commerce					
7		Software Lab-I (ADSA & R-Programming)	PC	-	4	2
Total :				23	6	20

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					
	iii) Software Testing Methodologies					
6	Professional Elective – III		PE	4	-	3
	i) Soft Computing					
	ii) Cloud Computing					
	iii) Internet of Things					
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				
	iii) Distributed Systems				
7	Software Lab-1	PC	-	4	2
Total :			23	6	20

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				
	iii) Secure Web Technologies				
6	Professional Elective – III	PE	4	-	3
	i) Cloud Computing				
	ii) Ethical Hacking				
	iii) Software Reliability and Metrics				
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

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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

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

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

P. V. Ganeshaiah

Annexure – B Academic Regulations

I) B.Tech

1. Duration of the Program

The duration of the program is four academic years consisting of eight semesters. However, a student is permitted to complete the course work of B.Tech program in the stipulated time frame of **EIGHT** years from the date of joining. Students admitted into II year 1st semester of B.Tech program directly, through Lateral Entry (LE), shall have to complete the course work of B.Tech program in the stipulated time frame of **SIX** years from the date of joining.

2. Minimum Instruction Days

Each semester consists of a minimum of ninety instruction days.

3. Eligibility Criteria for Admission

The eligibility criteria for admission into first year of B.Tech Degree programs shall be as mentioned below:

- i) The candidate shall be an Indian National.
- ii) The candidate should have passed the qualifying examination Intermediate or equivalent with Mathematics, Physics and Chemistry as optional subjects or any equivalent examination recognized by JNTUK, Kakinada on the date of admission.
- iii) Seats in each program are classified into **Category-A** (70% of intake) and **Category-B** (30% of intake).

3.1 Category - A Seats:

These seats shall be filled by the Convener, EAMCET admissions based on the ranks in EAMCET examination.

3.2 Category - B Seats:

These seats shall be filled by the College as per the guidelines of Andhra Pradesh State Council of Higher Education.

3.3 Lateral Entry Seats:

Additional seats of 20% of the sanctioned intake in each discipline shall be filled up in the third semester directly by candidates with Diploma Qualification based on the rank secured in Engineering Common Entrance Test (ECET (FDH)) in accordance with the instructions received from the Convener, ECET and Government of Andhra Pradesh.

4. Course Structure

The course structure of B.Tech programs has been designed as per the guidelines of UGC, New Delhi by 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).

4.1 Program Credits

- i) Each discipline of the B.Tech program is designed to have a total of **170** credits and the student shall have to complete the four year course work and earn all the **170** credits for the award of B.Tech Degree.
- ii) Students joining the B.Tech program into the II year 1st semester directly through Lateral Entry (LE) Scheme shall have to complete the three year course work and earn **130** credits for the award of B.Tech degree.
- iii) Students may register for optional elective courses beyond 170 (130 for Lateral Entry) credits for a maximum of 12 credits from II year 2nd semester to IV year 1st semester, three credits in each semester, subject to the condition that there shall not be any backlogs up to previous

semester with CGPA not less than 7.5 (considering the performance in makeup examinations). Optional elective courses shall be treated on par with self study courses, but performance in optional elective courses shall not be included in calculating the SGPA.

- iv) Students with no backlogs up to III year 1st semester with CGPA not less than 7.5 may register for two professional elective courses offered in IV year 2nd semester in advance i.e. one in III year 2nd semester and another one in IV year 1st semester so as to have exclusive project work during the IV year 2nd semester.

4.2 Curricular Components

The curricular components of course structure of each discipline of the B.Tech programs is given in Table-4.1:

Table – 4.1 Curricular Components of B.Tech Programs

Sl. No.	Course Work-Subject Area	No. of credits	% of Total credits	% of credits as per UGC
1	Basic Sciences (BS)	26	15.29	15-20
2	Humanities and Social Sciences (HSS)	17	10.00	10-15
3	Engineering Sciences (ES)	26	15.29	10-20
4	Professional Core (PC)	59	34.72	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, Term Paper, Internship, etc.)	16	9.41	8-10
8	Mandatory Non-Credit Courses	-	-	-

4.3 Course Code and Course Numbering Scheme

- i) Course Code consists of Six characters.
ii) The First & Second characters are as described in table 4.2.

Table 4.2: First and second character description

First & Second Characters	Description
EG	Subjects offered by English Department
MA	Subjects offered by Mathematics Department
PH	Subjects offered by Physics Department
CH	Subjects offered by Chemistry Department
EN	Subjects offered by Environmental Studies Department
CE	Subjects offered by Civil Engineering Department
EE	Subjects offered by Electrical and Electronics Engg. Department
ME	Subjects offered by Mechanical Engineering Department
EC	Subjects offered by Electronics and Communication Engineering Department
CS	Subjects offered by Computer Science and Engineering Department
IT	Subjects offered by Information Technology Department
CT	Subjects offered by Computer Science and Engineering & Information Technology Departments
BA	Subjects offered by Business Administration Department

- iii) Third character is the numeral indicating the regulation, eg. '1' for 2014 regulations, '2' for 2017 regulations, etc.
iv) The Fourth character is the numeral, '5' for UG programs and '9' for PG programs.
v) Fifth & Sixth characters represent the course number with two digits in the serial order of subjects offered by a department, '01', '02', '03' '11', '12' etc.

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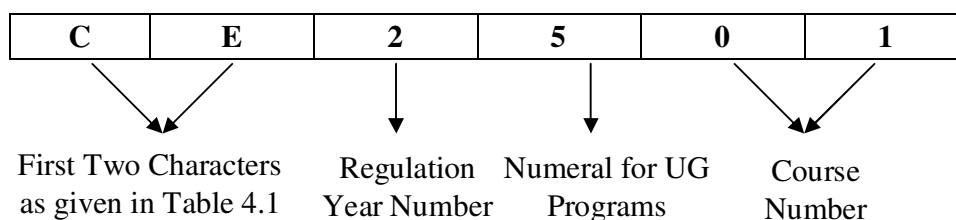


Figure 4.1: Course Code description

4.4 Credit Norms:

The Course Credits are broadly fixed based on the following norms.

- i) A theory course with two credits shall have three lecture periods.
- ii) A theory course with three credits shall have four lecture periods or three lecture periods and one tutorial / two practice periods.
- iii) A theory course with four credits shall have four lecture periods and one tutorial / two practice periods.
- ii) Three or four credits for an integrated theory and laboratory course with three or four lecture periods and two practice periods.
- iii) One or two credits for a laboratory course with two or four periods respectively.
- iv) Two credits for Industrial internship / Practical Training.
- v) One or two credits for mini project / filed work / poster model with two or four contact periods.
- vi) Twelve credits for project work with 24 contact periods.

5. Medium of Instruction

The medium of instruction and examination is English.

6. Syllabus

As recommended by the Board of Studies concerned and approved by the Academic Council.

7. Attendance Regulations

- 7.1 A student shall be eligible to appear for End Semester Examinations if he acquires a minimum of 75% of attendance in aggregate of all the subjects.
- 7.2 Condoning of shortage of attendance in aggregate upto 10% (65% and above and below 75%) in each semester will be considered for genuine reasons such as medical grounds and participation in co-curricular and extra-curricular activities and shall be granted only after approval by a committee duly appointed by the college. The student should submit application for medical leave along with medical certificate from a registered medical practitioner within three days from reporting to the class work after the expiry of the Medical Leave. In case of participation in co-curricular and extra-curricular activities, either in the college or other colleges, students must take prior written permission from HoD concerned and should also submit the certificate of participation from the organizer of the event within three days after the completion of the event. Only such cases will be considered for condoning attendance shortage.
- 7.3 A student shall be eligible to claim for condonation of attendance shortage for a maximum of two times during the four year (eight semesters) course work of B.Tech / three year (six semesters) course work of B.Tech, Lateral Entry. However, additional one time condonation exclusively during IV Year shall be considered on genuine valid reasons.
- 7.4 A student will not be promoted to the next semester unless he satisfies the attendance requirement of the current semester. He may seek re-admission for that semester when offered next.
- 7.5 Shortage of Attendance below 65% in aggregate shall in *NO* case be condoned.
- 7.6 Students whose shortage of attendance is not condoned in any semester are not eligible to take their end examination of that class and their registration shall stand cancelled.
- 7.7 A fee stipulated by the college shall be payable towards condonation of attendance shortage.

- 7.8 A student is required to put up a minimum of 75% of attendance in the mandatory non-credit courses such as Sports & Games and Fine Arts / Yoga / Self Defence / Cultural despite satisfactory performance / participation in the activities organized under each event for getting the satisfactory grade.

8. Examinations and Scheme of Evaluation

8.1 Theory / Elective / Self Study Courses (2 or 3 or 4 credits):

Each theory course shall be evaluated for a total of 100 marks, consisting of 40 marks for internal assessment and 60 marks for semester end examination.

Internal Assessment:

- i) Of 40 marks for internal assessment, 10 marks are for continuous assessment in the form of two quiz or subjective tests and 30 marks are based on two mid-term examinations. The first mid-term examination shall be from the first three units of syllabus and second mid-term from the last three units of syllabus, conducted during the semester.
- ii) Two quiz or subjective tests, one before first mid-term examination from I & II units of syllabus and another before second mid-term examination from IV & V units of syllabus, each for 10 marks, with 45 minutes duration, are conducted in a semester and the average marks of the two tests are taken as the marks for the continuous evaluation process.
- iii) Each mid-term examination is conducted for 40 marks with two hours duration. Each mid-term examination consists of four questions, each for 10 marks. All the questions need to be answered. First question shall have 5 short questions, each of two marks or 10 objective questions each of one mark and the remaining three questions are of descriptive type, one from each unit of syllabus.
- iv) Sum of the 75% marks of better scored mid-term examination and 25% marks of less scored mid-term examination are scaled down for 30 marks.
- v) For the subjects such as Engineering Graphics, Engineering Drawing, Machine Drawing, Design & Drawing of R.C., Structures, Steel Structures, Irrigation Structures, Estimation Cost and Valuation, Building Planning and Drawing etc., the distribution of 40 marks for internal evaluation shall be 20 marks for day-to-day work, and 20 marks based on two mid-term examinations. Each mid-term examination is conducted for 40 marks with two hours duration. Sum of the 75% marks of better scored mid-term examination and 25% marks of less scored mid-term examination are scaled down for 20 marks.
- vi) For subjects like Functional English and Professional Communication, the pattern of mid-term examination is given along with the syllabus of respective subject.
- vii) For the integrated course with theory and laboratory, the distribution of 40 marks for internal evaluation shall be 20 marks for theory based on two mid-term examinations and 20 marks for laboratory. Each mid-term examination is conducted for 40 marks with two hours duration. Each mid-term examination consists of four questions, each for 10 marks. All the questions need to be answered. First question shall have 5 short questions, each of two marks or 10 objective questions each of one mark and the remaining three questions are of descriptive type, one from each unit of syllabus. Sum of the 75% marks of better scored mid-term examination and 25% marks of less scored mid-term examination are scaled down for 20 marks. Of 20 marks for laboratory, 10 marks for day-to-day performance and 10 marks for semester end internal examination.
- viii) For the project based theory course, the distribution of 40 marks for internal evaluation shall be 20 marks for theory, based on two mid-term examinations and 20 marks for project. Each mid-term examination is conducted for 40 marks with two hours duration. Each mid-term examination consists of two questions, each for 20 marks, with internal choice. All the questions need to be answered. Sum of the 75% marks of better scored mid-term examination and 25% marks of less scored mid-term examination are scaled down for 20 marks.

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External Assessment:

- i) Semester End Examination will have questions under Part-A and Part-B with three hours duration. **Part-A** is compulsory and consists of six 2 marks questions or twelve objective questions each of one mark. **Part-B** consists of six questions, one question from each unit, out of which four questions are to be answered. All questions carry equal marks of 12 each.
- ii) For the integrated theory and laboratory course, the pattern of examination is same as above. There will not be any external assessment for laboratory component.
- iii) For the project based theory course, semester end examination will have three questions, each for 20 marks, with internal choice. All the questions need to be answered. There will be no external assessment for project component.
- iv) For subjects like Functional English, Professional Communication, Engineering Drawing / Engineering Graphics, Machine Drawing, Building Planning & Drawing, etc, the pattern of semester end examination is given along with the syllabus of respective subject.

8.2 Laboratory Course (1 or 2 credits):

- i) For practical courses the distribution shall be 40 marks for Internal Evaluation and 60 marks for the semester end examinations. There shall be continuous evaluation by the internal subject teacher during the semester for 40 internal marks of which 25 marks shall be for day-to-day performance (15 marks for day-to-day evaluation and 10 marks for Record) and 15 marks shall be evaluated by conducting an internal laboratory test towards the end of semester.
- ii) Semester end examination shall be conducted by the teacher concerned and external examiner for 60 marks.

8.3 Mandatory Non-Credit Courses:

A student is required to take up two Non-Credit courses, viz. Sports & Games / Fine Arts, Yoga, Self Defence & Cultural, one in II year 1st semester and the other in II year 2nd semester. Marks are awarded based on the day-to-day participation and performance in the activities organized under each event. A student is required to score 40 marks out of 100 marks despite putting up a minimum of 75% attendance to be declared satisfactory in each mandatory non-credit course. The B.Tech degree shall only be awarded if a student gets satisfactory grade in each of the two mandatory non-credit courses and besides acquiring 170 credits of the B.Tech degree course.

A student whose shortage of attendance is condoned in the case of credit courses in that semester shall also be eligible for condoning shortage of attendance up to 10% in the case of mandatory non-credit courses also.

A student has to repeat the course if he does not get satisfactory grade in each non-credit course for getting the degree awarded.

8.4 Industrial / Practical Training:

Industrial / Practical training shall be evaluated for a total of 100 marks. Of 100 marks, 40 marks shall be awarded by an internal committee consisting of two faculty members based on the presentation given and work carried out by a student and the remaining 60 marks are for final Viva-Voce examination conducted by the committee consisting of an External Examiner and the Head of the Department along with main project work at the end of IV B.Tech 2nd semester.

8.5 Mini Project / Field Work:

Mini Project / field work shall be evaluated for a total of 100 marks.

- i) Of 100 marks, 40 marks shall be awarded by the project supervisor based on student's involvement in carrying out the project and the remaining 60 marks are based on presentation and viva-voce before a committee consisting of supervisor and a senior faculty of the department.
- ii) There will be no external assessment for mini project / field work.

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8.6 Project work:

- i) The final project work shall be carried out during the IV year 2nd semester and will be evaluated for 100 marks.
- ii) Of 100 marks, 40 marks shall be for Internal Evaluation and 60 marks for the project evaluation and semester end viva-voce examination.
- iii) Each student needs to give two seminars on the topic of his project, and each seminar is evaluated for 20 marks by a committee consisting of the supervisor and a senior faculty of the department. The sum of the mark of two seminars is taken as internal marks for 40.
- iv) The project evaluation and semester end Viva-Voce shall be conducted by the committee consisting of an External Examiner, Head of the Department and the supervisor of the project. The evaluation of project work shall be conducted at the end of the fourth year second semester.

9. Criteria for Passing a Course and Award of Grades:

9.1 Criteria for Passing a Course:

- i) A candidate shall be declared to have passed in individual theory / integrated theory and laboratory / project based theory / drawing course if he secures a minimum of 40% aggregate marks (internal & semester end examination marks put together), subject to securing a minimum of 35% marks in the semester end examination.
- ii) A candidate shall be declared to have passed in individual laboratory/project / mini project / field work / industrial internship / practical training course if he secures a minimum of 50% aggregate marks (internal & semester end examination marks put together), subject to securing a minimum of 40% marks in the semester end examination.
- iii) On passing a course of a program, the student shall earn the credits assigned to that course.

9.2 Method of Awarding Letter Grade and Grade Points for a Course:

A letter grade and grade points will be awarded to a student in each course based on his performance, as per the grading system given below.

Theory/ Drawing / Elective / Self Study Course (%)	Laboratory/ Industrial / Practical Training / Mini Project / Project work (%)	Grade Points	Letter Grade
≥ 90	≥ 90	10	O (Outstanding)
≥ 80 & < 90	≥ 80 & < 90	9	A+ (Excellent)
≥ 70 & < 80	≥ 70 & < 80	8	A (Very Good)
≥ 60 & < 70	≥ 60 & < 70	7	B+ (Good)
≥ 50 & < 60	≥ 50 & < 60	6	B (Above Average)
≥ 45 & < 50	-	5	C (Average)
≥ 40 & < 45	-	4	P (Pass)
< 40	< 50	0	F (Fail)

9.3 Calculation of Semester Grade Point Average (SGPA)* for semester:

The performance of each student at the end of the each semester is indicated in terms of SGPA. The SGPA is calculated as given below:

$$SGPA = \frac{\sum(CR \times GP)}{\sum CR} \text{ for each semester.}$$

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where CR = Credits of a course

GP = Grade Points awarded for a course

- * SGPA is calculated for a candidate who passed all the courses in that semester.
- * Performance in optional elective courses shall not be included in calculating the SGPA.

9.4 Eligibility for Award of B.Tech Degree:

A student will be declared eligible for the award of the B. Tech. Degree if he fulfills the following academic regulations.

i) 4 Year B.Tech Course:

- (a) Pursued a course of study for not less than four academic years and not more than eight academic years.
- (b) Registered for prescribed **170** credits and secured **170** credits.
- (c) Students, who fail to complete their Four years Course of study within Eight years or fail to acquire the **170** Credits for the award of the degree within eight academic years from the year of their admission shall forfeit their seat in B. Tech course and their admission shall stand cancelled.

ii) 3 Year B.Tech Course under Lateral Entry:

- (a) Pursued a course of study for not less than three academic years and not more than six academic years.
- (b) Registered for prescribed **130** credits and secured **130** credits.
- (c) Students, who fail to complete their Three years Course of study within Six years or fail to acquire the **130** Credits for the award of the degree within six academic years from the year of their admission shall forfeit their seat in B. Tech course and their admission shall stand cancelled.

9.5 Calculation of Cumulative Grade Point Average (CGPA) for Entire Program:

The CGPA is calculated as given below:

$$\text{CGPA} = \frac{\sum(CR \times GP)}{\sum CR} \text{ for entire program.}$$

where CR = Credits of a course

GP = Grade points awarded for a course

9.6 Award of Division:

After satisfying the requirements prescribed for the completion of the program, the student shall be eligible for the award of B. Tech Degree and shall be placed in one of the following grades:

CGPA	Class
≥ 7.5	First Class with Distinction
≥ 6.5 & < 7.5	First Class
≥ 5.5 & < 6.5	Second Class
≥ 4.5 & < 5.5	Pass Class

9.7 Consolidated Grade Card

A consolidated grade card containing credits & grades obtained by the candidate will be issued after completion of the four year B.Tech program.

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10. Makeup Examinations:

- i) Makeup examinations shall be conducted within 30 days after completion of regular examinations every semester.
- ii) A student can register up to a maximum of two courses (theory or laboratory) for makeup examinations in the courses in which he failed.
- iii) The letter grades secured in makeup examinations in those subjects shall be considered and a single marks memo is issued by including the performance in makeup examinations. But, a Star (*) mark is printed against those courses in which a student has appeared for makeup examinations.

11. Supplementary Examinations

- i) Supplementary examinations will be conducted twice in a year at the end of odd and even semesters.
- ii) Semester end supplementary examinations shall be conducted till next regulation comes into force for that semester, after the conduct of the last set of regular examinations under the present regulation.
- iii) Thereafter, supplementary examinations will be conducted in the equivalent courses as decided by the Board of Studies concerned.
- iv) There is no makeup examination in case of supplementary examinations.

12. Conditions for Promotion

- i) A student shall be eligible for promotion to next Semester of B.Tech program, if he satisfies the conditions as stipulated in Regulation 7.
- ii) The following academic requirements have to be satisfied in addition to the attendance requirements mentioned in Regulation 7 for promotion into III Year I semester and IV year I semester.

a) 4 Year B.Tech Program:

- i) A student shall be promoted from II year to III year only if he acquires the academic requirement of a minimum of 50% credits up to second year second semester as shown below.
 1. Two regular and two supplementary examinations of I year I semester,
 2. Two Regular and one supplementary examinations of I year II semester,
 3. One regular and one supplementary examinations of II year I semester
 4. One regular examination of II year II semester,irrespective of whether the candidate takes the examination or not.
- ii) A student shall be promoted from III year to IV year only if he acquires the academic requirement of a minimum of 50% of credits upto third year second semester as shown below.
 1. Three Regular and three supplementary examinations of I year I semester,
 2. Three Regular and two supplementary examinations of I year II semester,
 3. Two Regular and two supplementary examinations of II year I semester,
 4. Two Regular and one supplementary examinations of II Year II semester,
 5. One Regular and one supplementary examinations of III Year I semester,
 6. One regular examination of III Year II semester,irrespective of whether the candidate takes the examination or not.

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b) 3 Year B.Tech Program under Lateral Entry Scheme:

- i) A student shall be promoted from III to IV year only if he acquires the academic requirement of a minimum of 50% credits up to third year second semester as shown below.
 1. Two regular and two supplementary examinations of II year I semester,
 2. Two Regular and one supplementary examinations of II year II semester,
 3. One regular and one supplementary examinations of III year I semester
 4. One regular examination of III year II semester,irrespective of whether the candidate takes the examination or not.

12. Revaluation

- i) Students can submit the applications for revaluation, along with the prescribed fee receipt for revaluation of his answer script(s) of theory course(s) as per the notification issued by the Controller of Examinations.
- ii) The Controller of Examinations shall arrange for revaluation of such answer script(s).
- iii) An examiner, other than the first examiner, shall reevaluate the answer script(s).
- iv) If the variation in marks of two evaluations is less than 15% of total marks, the best mark of two evaluations shall be taken into consideration.
- v) If the variation in marks of two evaluations is more than 15% of total marks, there shall be third evaluation by an examiner other than the first two examiners. The best marks of two evaluations (which are nearer) shall be taken into consideration.

13. Readmission Criteria

- i) A candidate, who is detained in a semester due to lack of attendance has to obtain written permission from the Principal for readmission into the same semester after duly fulfilling the required norms stipulated by the college and by paying the required tuition fee and special fee in addition to paying an administrative fee of Rs. 1,000/-.
- ii) A candidate, who is not promoted either to III year or IV year due to lack of required credits can seek admission into III / IV year in subsequent years after obtaining the required credits as stipulated in regulation 12 by paying the required tuition fee and special fee in addition to paying an administrative fee of Rs. 1,000/-.

14. Break in Study

Student, who discontinues the studies for what-so-ever reason, can get readmission into appropriate semester of B.Tech program only with the prior permission of the Principal of the College, provided such candidate shall follow the transitory regulations applicable to the batch he joins. An administrative fee of Rs.2,000/- per each year of break in study in addition to the prescribed tuition and special fees should be paid by the candidate to condone his break in study.

15. Transitory Regulations

A candidate, who is detained or discontinued in a semester, on readmission shall be required to do all the courses in the curriculum prescribed for the batch of students in which the student joins subsequently. However, exemption will be given to those candidates who have already passed such courses in the earlier semester(s) he was originally admitted into and substitute subjects are offered in place of them as decided by the Board of Studies. However, the decision of the Board of Studies will be final.

a) Transfer candidates (from non-autonomous college affiliated to JNTUK):

15.1 A student who is following JNTUK curriculum, transferred from other college to this college in second year first semester or subsequent semesters shall join with the autonomous batch in the appropriate semester. Such candidates shall be required to pass in all the courses in the program prescribed by the Board of Studies concerned for that batch of students from that

semester onwards to be eligible for the award of degree. However, exemption will be given in the courses of the semester(s) of the batch which he had passed earlier and substitute subjects are offered in their place as decided by the Board of Studies. The student has to clear all his backlog subjects up to previous semester by appearing for the supplementary examinations conducted by JNTUK for the award of degree. The total number of credits to be secured for the award of the degree will be the sum of the credits upto previous semester under JNTUK regulations and the credits prescribed for the semester in which a candidate joined after transfer and subsequent semesters under the autonomous stream. The class will be awarded based on the academic performance of a student in the autonomous pattern.

b) Transfer candidates (from an autonomous college affiliated to JNTUK):

15.2 A student who has secured the required credits up to previous semesters as per the regulations of other autonomous institutions shall only be permitted to be transferred to this college. A student who is transferred from the other autonomous colleges to this college in second year first semester or subsequent semesters shall join with the autonomous batch in the appropriate semester. Such candidates shall be required to pass in all the courses in the program prescribed by the Board of Studies concerned for that batch of students from that semester onwards to be eligible for the award of degree. However, exemption will be given in the courses of the semester(s) of the batch which he had passed earlier and substitute subjects are offered in their place as decided by the Board of Studies. The total number of credits to be secured for the award of the degree will be the sum of the credits upto previous semester as per the regulations of the college from which he is transferred and the credits prescribed for the semester in which a candidate joined after transfer and subsequent semesters under the autonomous stream. The class will be awarded based on the academic performance of a student in the autonomous pattern.

16. Withholding of Results

If the student has not paid the dues, if any, to the College or if any case of indiscipline is pending against him, the result of the student will be withheld. His degree will also be withheld in such cases.

17. Malpractices

- i) The Principal shall refer the cases of malpractices in internal assessment tests and semester end examinations to a malpractice enquiry committee constituted by him for the purpose. Such committee shall follow the approved levels of punishment. The Principal shall take necessary action against the erring students based on the recommendations of the committee.
- ii) Any action by the candidate trying to get undue advantage in the performance or trying to help another, or derive the same through unfair means is punishable according to the provisions contained hereunder.

Malpractice Provisions:

Sl. No.	Nature of Malpractices / Improper conduct	Punishment
1 (a)	Possesses or keeps accessible in examination hall, any paper, note book, programmable calculators, Cell phones, pager, palm computers or any other form of material concerned with or related to the subject of the examination (theory or practical) in which he is appearing but has not made use of (material shall include any marks on the body of the	Expulsion from the examination hall and cancellation of the performance in that subject only.

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	candidate which can be used as an aid in the subject of the examination.)	
(b)	Gives assistance or guidance or receives it from any other candidate orally or by any other body language methods or communicates through Cell phones with any candidates or persons in or outside the exam hall in respect of any matter.	Expulsion from the examination hall and cancellation of the performance in that subject only of all the candidates involved. In case of an outsider, he will be handed over to the police and a case is registered against him.
2	Has copied in the examination hall from any paper, book, programmable calculators, palm computers or any other form of material relevant to the subject of the examination (theory or practical) in which the candidate is appearing.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the subjects of that semester / year. The hall ticket of the candidate is to be cancelled and sent to the university.
3	Impersonates any other candidate in connection with the examination.	The candidate who has impersonated shall be expelled from examination hall. The candidate is also debarred and forfeits the seat. The performance of the original candidate who has been impersonated shall be cancelled in all the subjects of the examination (including practicals and project work) already appeared and shall not be allowed to appear for the examinations of the remaining subjects of that semester/ year. The candidate is also debarred from class work and all university examinations for two consecutive semesters. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat. If the impostor is an outsider, he will be handed over to the police and a case is registered against him.
4	Smuggles in the Answer book or takes out or arranges to send out the question paper during the examination or answer book during or after the examination.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the subjects of that semester / year. The candidate is also debarred for two consecutive semesters from class work and all university examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
5	Uses objectionable, abusive or	Cancellation of performance in that subject.

	offensive language in the answer paper or in letters to the examiners or writes to the examiner requesting him to award pass marks.	
6	Refuses to obey the orders of the Chief Superintendent /Asst.-Superintendent/ any officer on duty or misbehaves or creates disturbance of any kind in or around the examination hall or organizes a walkout or instigates others to walkout or threatens the officer-in-charge or any person on duty in or outside the examination hall of any injury to his person or to any of his relations whether by words, either spoken or written or by signs or by visible representation, assaults the Officer-in-charge or any person on duty in or outside the examination hall of any of his relations or indulges in any other act of misconduct or mischief which results in damage to or destruction of property in the examination hall or any part of the college campus or engages in any other act which in the opinion of the Officer on duty amounts to use of unfair means or misconduct or has the tendency to disrupt the orderly conduct of the examination.	In case of students of the college, they shall be expelled from examination halls and cancellation of their performance in that subject and all other subjects the candidate(s) has (have) already appeared and shall not be permitted to appear for the remaining examinations of the subjects of that semester/ year. The candidates also are debarred and forfeit their seats. In case of outsiders, they will be handed over to the police and a police case is registered against them.
7	Leaves the exam hall taking away answer script or intentionally tears of the script or any part thereof inside or outside the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the subjects of that semester/ year. The candidate is also debarred for two consecutive semesters from class work and all university examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
8	Possess any lethal weapon or firearm in the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining

		examinations of the subjects of that semester/ year. The candidate is also debarred and forfeits the seat.
9	If student of the college who is not a candidate for the particular examination or any person not connected with the college indulges in any malpractice or improper conduct mentioned in clause 6 to 8.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the subjects of that semester/ year. The candidate is also debarred and forfeits the seat. Person(s) who do not belong to the college will be handed over to the police and a police case is registered against them.
10	Comes in a drunken condition to the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/ year.
11	Copying detected on the basis of internal evidence, such as, during valuation or during special scrutiny.	Cancellation of the performance in that subject and all other subjects the candidate has appeared including practical examinations and project work of that semester/ year examinations.
12	If any malpractice is detected which is not covered in the above clauses 1 to 11 shall be reported to the university for future action toward suitable punishment.	

Malpractices identified at spot centre during valuation

The following procedure is to be followed in the case of malpractice cases detected during valuation, scrutiny etc. at spot centre.

- I. A notice is to be served to the candidate(s) involved (i) through the Principal of the college concerned, (ii) to the candidate(s) to his college address and (iii) to the candidate(s) to his permanent address regarding the malpractice.
- II. A committee consisting of the following is to be constituted at spot centre to process such malpractice cases and the recommendations of the malpractice committee are to be sent to the university.
 1. Principal Chairman
 2. Dean Academic Affairs Member
 3. Chief examiner of that subject Member
 4. Controller of Examinations Convener
- iii) The involvement of the staff, who are in charge of conducting examinations, valuing examination papers and preparing / keeping records of documents related to the examinations in such acts (inclusive of providing incorrect or misleading information) that infringe upon the course of natural justice to one and all concerned at the examination shall be viewed seriously and appropriate disciplinary action will be taken after thorough enquiry.

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18. Other Matters

- i) Physically challenged candidates who have availed additional examination time and a scribe during their Intermediate/EAMCET examinations will be given similar concessions on production of relevant proof/documents. Students who are suffering from contagious diseases are not allowed to appear either for internal or semester end examinations.
- ii) The students who participated in coaching / tournaments held at State / National / International levels through University / Indian Olympic Association during semester end external examination period will be promoted to subsequent semesters as per the guidelines of University Grants Commission Letter No. F.1-5/88 (SPE/PES), dated 18-08-1994.
- iii) The Principal shall deal in an appropriate manner with any academic problem which is not covered under these rules and regulations, in consultation with the Heads of the Departments and subsequently such actions shall be placed before the Academic Council for ratification. Any emergency modification of regulation, approved in the meetings of the Heads of the Departments shall be reported to the Academic Council for ratification.

19. General

- i) The Academic Council may, from time to time, revise, amend or change the regulations, schemes of examination and /or syllabi.
- ii) The academic regulations should be read as a whole for the purpose of any interpretation.
- iii) In case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Chairman of the Academic Council is final.
- iv) Wherever the word he, him or his occurs, it will also include she, her and hers.

* * *

II) M.Tech

1. Duration of the Program

The duration of the program is two academic years consisting of four semesters. However, a student is permitted to complete the course work of M.Tech program in the stipulated time frame of four academic years from the date of joining.

2. Minimum Instruction Days

Each semester consists of a minimum of ninety instruction days.

3. Eligibility Criteria for Admission

The eligibility criteria for admission into first year of M.Tech Degree programs shall be as mentioned below:

- i) The candidate shall be an Indian National.
- ii) The candidate should have passed the qualifying examination B.Tech / B.E. or equivalent in appropriate discipline as decided by the APSICHE.
- iii) Seats in each program in the College are classified into CATEGORY-A (70% of intake) and CATEGORY-B (30% of intake).

3.1 Category - A Seats:

These seats shall be filled by the Convener, PGECET admissions based on GATE score or PGECET Rank.

3.2 Category - B Seats:

These seats shall be filled by the College as per the guidelines of Andhra Pradesh State Council of Higher Education.

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4. Course Structure:

4.1 Program Credits

Each specialization of the M.Tech programs is designed to have a total of 70 credits and the student shall have to complete the two year course work and earn all the 70 credits for the award of M.Tech Degree.

4.2 Curricular Component

The curricular components of course structure of each specialization of the M.Tech programs is given in Table-4.1:

Table – 4.1 Curricular Components of M.Tech Programs

Sl. No.	Course Work-Subject Area	Total no. of credits	% of Total Credits
1	Basic Sciences (BS)	3	4.28
2	Humanities and Social Sciences (HSS)	3	4.28
3	Professional Core (PC)	25	35.72
4	Professional Electives (PE)	9	12.86
5	Others (Seminar, Term Paper, Dissertation, etc.)	30	42.86

4.3 Course Code and Course Numbering Scheme

- Course code consists of six characters.
- The first and second characters are as described in table 4.2.

Table 4.2: First and second character description

First & Second Characters	Description
MA	Subjects offered by Mathematics Department
CE	Subjects offered by Civil Engineering Department
EE	Subjects offered by Electrical and Electronics Engg. Department
ME	Subjects offered by Mechanical Engineering Department
EC	Subjects offered by Electronics and Communication Engineering Department
CS	Subjects offered by Computer Science and Engineering Department.

- Third character is the numeral indicating the regulation, eg. '1' for 2014 regulations, '2' for next regulations, etc.
- The fourth character is the numeral, '5' for UG programs and '9' for PG programs.
- Fifth and sixth characters represent the course number with two digits in the serial order of subjects offered by a department, '01', '02', '03' '11', '12'..... etc.

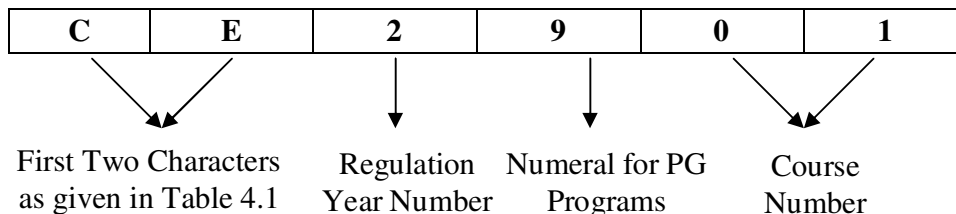


Figure 4.1: Course Code description

4.4 Credit Norms:

The Course Credits are broadly fixed based on the following norms.

- Three credits for each theory course with four lecture periods.
- Two credits for each laboratory course with four periods.
- Two credits for a seminar.
- Two credits for term paper.
- Twenty Six credits for Project work.

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5. Medium of Instruction

The medium of instruction and examination is English.

6. Syllabus

As approved by the Board of Studies concerned and the Academic Council.

7. Attendance Regulations

7.1 A student shall be eligible to appear for Semester End Examinations if he acquires a minimum of 75% of attendance in aggregate of all the subjects.

7.2 Condoning of shortage of attendance in aggregate up to 10% (65% and above and below 75%) in each semester will be considered for genuine reasons such as medical grounds and participation in co-curricular and extra-curricular activities and shall be granted only after approval by the College Academic Committee. Student should submit application for medical leave along with medical certificate from a registered medical practitioner within three days from reporting to the class work after the expiry of the medical leave. In case of participation in co-curricular and extra-curricular activities, either in the college or other colleges, students must take prior written permission from HoD concerned and should also submit the certificate of participation from the organizer of the event within three days after the completion of the event. Only such cases will be considered for condoning attendance shortage.

7.3 A student shall be eligible to claim for condonation of attendance shortage only once during the two years (four semesters) course work.

7.4 A student will not be promoted to the next semester unless he satisfies the attendance requirement of the current semester. He may seek re-admission for that semester when offered next.

7.5 **Shortage of Attendance below 65% in aggregate shall in NO case be condoned.**

7.6 Students whose shortage of attendance is not condoned in any semester are not eligible to take their end examination of that semester and their registration shall stand cancelled.

7.7 A fee stipulated by the college shall be payable towards condoning attendance shortage.

8. Examinations and Scheme of Evaluation

8.1 Theory Courses:

Each theory course shall be evaluated for a total of 100 marks, consisting of 40 marks for internal assessment and 60 marks for semester end examination.

- i) Of 40 marks for internal assessment, 10 marks are for continuous assessment in the form of two assignments and 30 marks are based on two mid-term examinations.
- ii) Each assignment carries 10 marks and the average of two assignments shall be taken as the marks for continuous assessment.
- iii) Each mid-term examination is conducted for 40 marks with two hours duration. Each mid-term examination consists of four questions, each for 10 marks. All the questions need to be answered.
- iv) Sum of the 75% marks of better scored mid-term examination and 25% marks of less scored mid-term examination are scaled down for 30 marks.
- v) For the project based theory course, the distribution of 40 marks for internal evaluation shall be 20 marks for theory, based on two mid-term examinations and 20 marks for project. Each mid-term examination is conducted for 40 marks with two hours duration. Each mid-term examination consists of two questions, each for 20 marks, with internal choice. All the questions need to be answered. Sum of the 75% marks of better scored mid-term examination and 25% marks of less scored mid-term examination are scaled down for 20 marks.

P. N. S. S. S.

External Assessment

- i) Semester End Examination will have 8 questions, each for 12 marks, out of which 5 questions are to be answered.
- ii) For the project based theory course, semester end examination will have three questions, each for 20 marks, with internal choice. All the questions need to be answered. There will be no external assessment for project component.

8.2 Laboratory Course:

- i) For practical subjects the distribution shall be 40 marks for Internal Evaluation and 60 marks for the End-Examinations. There shall be continuous evaluation by the internal subject teacher during the semester for 40 internal marks. Of the 40 marks for internal, 25 marks shall be for day-to-day performance (15 marks for day-to-day evaluation and 10 marks for Record) and 15 marks shall be evaluated by conducting an internal laboratory test towards the end of semester.
- ii) Semester end examination shall be conducted by an internal examiner and an external examiner for 60 marks.

8.3 (a) Seminar:

- i) For seminar, a student under the supervision of a faculty member, shall collect the literature on an advanced topic related to his specialization and critically review the literature and submit it to the department in a report form towards the end of semester and shall make an oral presentation before the Departmental Review Committee consisting of the supervisor and a senior faculty member / Head of the Department. There shall be an internal evaluation for 100 marks in the form of viva-voce examination and assessment of report and its presentation. There will be NO external evaluation.
- ii) If a candidate fails to secure the minimum marks prescribed for successful completion, he has to re-register by paying the prescribed fee at the beginning of subsequent semester(s). He has to submit a fresh report towards the end of that semester and appear for evaluation by the committee.

(b) Term Paper:

- i) For term paper, a student under the supervision of a faculty member, shall collect the literature on an advanced topic related to his specialization and critically review the research papers and submit it to the department in publication form towards the end of semester and shall make an oral presentation before the Departmental Review Committee consisting of the supervisor and a senior faculty member / Head of the Department. There shall be an internal evaluation for 100 marks in the form of viva-voce examination and assessment of paper and its presentation. There will be NO external evaluation.
- ii) If a candidate fails to secure the minimum marks prescribed for successful completion, he has to re-register by paying the prescribed fee at the beginning of subsequent semester(s). He has to submit a fresh paper towards the end of that semester and appear for evaluation by the committee.

8.4 Project work:

Every candidate shall be required to submit a dissertation on a topic approved by the Project Review Committee.

- i) A Project Review Committee (PRC) shall be constituted for each specialization with Head of the Department / a Senior Faculty as Chairman and two other senior faculty members.
- ii) Registration of Project Work: A candidate who has been promoted to 3rd semester shall be eligible to register for the project work.
- iii) The eligible candidate can choose his project supervisor and submit the title, objective, abstract and plan of action of the proposed project work to the department for approval by the PRC. The candidate whose proposal is approved by the PRC shall register for the

project work. The minimum duration of project work will be 36 weeks from the date of registration.

- iv) If a candidate wishes to change his supervisor or topic of the project, he can do so with the approval of the PRC. In case of such changes, the candidate has to register afresh.
- v) There shall be three reviews on the progress of the project work by the PRC with an interval of 12 weeks. The candidate needs to submit a report on the progress of his work and present it before the PRC for assessment. The PRC may suggest for an extension of date of submission of dissertation if the progress of work is not satisfactory or absent himself for the review.
- vi) A candidate who has passed all the theory, laboratory, seminar and term paper examinations and shown satisfactory progress of project work is permitted to submit the dissertation after 36 weeks from the date of registration.
- vii) If a candidate fails to submit the dissertation by the end of the 4th semester, he has to take the permission for an extension by paying the semester(s) tuition fee.
- viii) Three copies of the Project Thesis certified by the supervisor shall be submitted to the Department.
- ix) Project evaluation and Viva-Voce examination is conducted at the end of 4th semester by a committee consisting of Project Supervisor, senior faculty of the department, HoD and an External Examiner nominated by the Chief Controller of Examinations out of a panel of three examiners suggested by the department.

The following grades are awarded for the project work:

- i. Excellent
- ii. Very Good
- iii. Good
- iv. Satisfactory
- v. Unsatisfactory

The Grade “unsatisfactory” is treated as Fail. Failed Students should take supplementary examination after making required modifications, if any, in the dissertation with a minimum gap of 8 weeks by paying the required examination fee.

9. Criteria for Passing a Course and Award of Grades:

9.1 Criteria for Passing a Course:

- i) A candidate shall be declared to have passed in individual theory / laboratory course, if he secures a minimum of 50% aggregate marks (internal & semester end examination marks put together), subject to securing a minimum of 40% marks in the semester end examination.
- ii) The candidate shall be declared to have passed in seminar / term paper viva-voce if he secures 50% marks.
- iii) The candidate shall be declared to have successfully completed the project work if he secures a minimum of ‘satisfactory’ grade in the project evaluation and viva-voce examination.
- iv) On passing a course of a program, the student shall earn assigned credits in that course.

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9.2 Method of Awarding Letter Grades and Grade Points for a Course:

A letter grade and grade points will be awarded to a student in each course based on his performance as per the grading system given below.

Theory/ Elective / Laboratory/ Seminar / Term Paper/ Project Dissertation (%)	Grade Points	Letter Grade
≥ 90	10	O (Outstanding)
≥ 80 & < 90	9	A+ (Excellent)
≥ 70 & < 80	8	A (Very Good)
≥ 60 & < 70	7	B+ (Good)
≥ 50 & < 60	6	B (Above Average)
< 50	0	F (Fail)

9.3 Calculation of Semester Grade Point Average (SGPA)* for semester:

The performance of a student at the end of the each semester is indicated in terms of SGPA. The SGPA is calculated as given below:

$$\text{SGPA} = \frac{\sum(CR \times GP)}{\sum CR} \text{ for each semester.}$$

where CR = Credits of a course

GP = Grade Points awarded for a course

* SGPA is calculated for a candidate who passed all the courses in that semester.

9.4 Eligibility for Award of M.Tech Degree:

A student will be declared eligible for the award of the M. Tech. Degree if he fulfills the following academic regulations.

- Pursued a course of study for not less than two academic years and not more than four academic years.
- Registered for prescribed **70** credits and secured **70** credits.
- Students, who fail to complete their Two years Course of study within Four years or fail to acquire the prescribed **70** Credits for the award of the degree within four academic years from the year of their admission shall forfeit their seat in M. Tech course and their admission shall stand cancelled.

9.5 Calculation of Cumulative Grade Point Average (CGPA)* for Entire Program:

The CGPA is calculated as given below:

$$\text{CGPA} = \frac{\sum(CR \times GP)}{\sum CR} \text{ for entire program.}$$

where CR = Credits of a course

GP = Grade points awarded for a course

* CGPA is calculated for a candidate who passed all the prescribed courses excluding project work.

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9.6 Award of Division:

After satisfying the requirements prescribed for the completion of the program, the student shall be eligible for the award of M. Tech Degree and shall be placed in one of the following class:

CGPA	Class
≥ 7.5	First Class with Distinction
≥ 6.5 & < 7.5	First Class
≥ 6.0 & < 6.5	Second Class

10. Supplementary Examinations

- i) Supplementary examinations will be conducted once in a year along with regular examinations.
- ii) Semester end supplementary examinations shall be conducted till next regulation comes into force for that semester after the conduct of the last set of regular examinations under the present regulation.
- iii) Thereafter supplementary examinations will be conducted in the equivalent courses as decided by the Board of Studies concerned.

11. Readmission Criteria

A candidate, who is detained in a semester due to lack of attendance has to obtain written permission from the Principal for readmission into the same semester after duly fulfilling the required norms stipulated by the college and by paying the required tuition fee and special fee in addition to paying an administrative fee of Rs. 1,000/-.

12. Break in Study

Student, who discontinues the studies for what-so-ever reason, can get readmission into appropriate semester of M.Tech program only with the prior permission of the Principal of the College, provided such candidate shall follow the transitory regulations applicable to the batch he joins. An administrative fee of Rs.2,000/- per each year of break in study in addition to the prescribed tuition and special fees shall be paid by the candidate to condone his break in study.

13. Transitory Regulations

A candidate, who is detained or discontinued in a semester, on readmission shall be required to do all the courses in the curriculum prescribed for the batch of students in which the student joins subsequently. However, exemption will be given to those candidates who have already passed such courses in the earlier semester(s) he was originally admitted into and he will be offered substitute subjects in place of them as decided by the Board of Studies. However, the decision of the Board of Studies will be final.

14. Withholding of Results

If the student has not paid the dues, if any, to the College or if any case of indiscipline is pending against him, the result of the student will be withheld. His degree will be withheld in such cases.

15. Malpractices

- i) The Principal shall refer the cases of malpractices in internal assessment tests and semester end examinations to a malpractice enquiry committee constituted by him for the purpose. Such committee shall follow the approved levels of punishment. The Principal shall take necessary action against the erring students based on the recommendations of the committee.
- ii) Any action by the candidate trying to get undue advantage in the performance or trying to help another, or derive the same through unfair means is punishable according to the provisions contained hereunder.

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Malpractice Provisions:

Sl. No.	Nature of Malpractices / Improper conduct	Punishment
1 (a)	Possesses or keeps accessible in examination hall, any paper, note book, programmable calculators, Cell phones, pager, palm computers or any other form of material concerned with or related to the subject of the examination (theory or practical) in which he is appearing but has not made use of (material shall include any marks on the body of the candidate which can be used as an aid in the subject of the examination.)	Expulsion from the examination hall and cancellation of the performance in that subject only.
(b)	Gives assistance or guidance or receives it from any other candidate orally or by any other body language methods or communicates through Cell phones with any candidates or persons in or outside the exam hall in respect of any matter.	Expulsion from the examination hall and cancellation of the performance in that subject only of all the candidates involved. In case of an outsider, he will be handed over to the police and a case will be registered against him.
2	Has copied in the examination hall from any paper, book, programmable calculators, palm computers or any other form of material relevant to the subject of the examination (theory or practical) in which the candidate is appearing.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the subjects of that semester / year. The hall ticket of the candidate is to be cancelled.
3	Impersonates any other candidate in connection with the examination.	The candidate who has impersonated shall be expelled from examination hall. The candidate is also debarred and forfeits the seat. The performance of the original candidate who has been impersonated shall be cancelled in all the subjects of the examination (including practicals and project work) already appeared and shall not be allowed to appear for the examinations of the remaining subjects of that semester/ year. The candidate is also debarred from class work and all university examinations for two consecutive semesters. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat. If the impostor is an outsider, he will be handed over to the police and a case will be registered against him.
4	Smuggles the Answer book or takes out or arranges to send out the	Expulsion from the examination hall and cancellation of the performance in that

	question paper during the examination or answer book during or after the examination.	subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the subjects of that semester / year. The candidate is also debarred for two consecutive semesters from class work and all university examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
5	Uses objectionable, abusive or offensive language in the answer paper or in letters to the examiners or writes to the examiner requesting him to award pass marks.	Cancellation of performance in that subject.
6	Refuses to obey the orders of the Chief Superintendent /Asst.-Superintendent/ any officer on duty or misbehaves or creates disturbance of any kind in or around the examination hall or organizes a walkout or instigates others to walkout or threatens the officer-in-charge or any person on duty in or outside the examination hall of any injury to his person or to any of his relations whether by words, either spoken or written or by signs or by visible representation, assaults the Officer-in-charge or any person on duty in or outside the examination hall of any of his relations or indulges in any other act of misconduct or mischief which results in damage to or destruction of property in the examination hall or any part of the college campus or engages in any other act which in the opinion of the Officer on duty amounts to use of unfair means or misconduct or has the tendency to disrupt the orderly conduct of the examination.	Expulsion from the examination hall and cancellation of their performance in that subject and all other subjects the candidate(s) has (have) already appeared and shall not be permitted to appear for the remaining examinations of the subjects of that semester/ year. The candidates also are debarred and forfeit their seats. In case of outsiders, they will be handed over to the police and a police case is registered against them.
7	Leaves the exam hall taking away answer script or intentionally tears of the script or any part thereof inside or outside the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the subjects of that

		semester/ year. The candidate is also debarred for two consecutive semesters from class work and all university examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
8	Possess any lethal weapon or firearm in the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the subjects of that semester/ year. The candidate is also debarred and forfeits the seat.
9	If student of the college who is not a candidate for the particular examination or any person not connected with the college indulges in any malpractice or improper conduct mentioned in clause 6 to 8.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the subjects of that semester/ year. The candidate is also debarred and forfeits the seat. Person(s) who do not belong to the college will be handed over to the police and a police case will be registered against them.
10	Comes in a drunken condition to the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/ year.
11	Copying detected on the basis of internal evidence, such as, during valuation or during special scrutiny.	Cancellation of the performance in that subject and all other subjects the candidate has appeared including practical examinations and project work of that semester/ year examinations.
12	If any malpractice is detected which is not covered in the above clauses 1 to 11 shall be reported to the Chief Superintendent for future action toward suitable punishment.	

Malpractices identified at spot centre during valuation

The following procedure is to be followed in the case of malpractice cases detected during valuation, scrutiny etc. at spot centre.

- I. A notice is to be served to the candidate(s) involved (i) through the Principal of the college concerned, (ii) to the candidate(s) to his college address and (iii) to the candidate(s) to his permanent address regarding the malpractice.

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II. A committee consisting of the following is to be constituted at spot centre to process such malpractice cases and to recommend suitable punishments.

- | | |
|-----------------------------------|----------|
| 1. Principal | Chairman |
| 2. Dean Academic Affairs | Member |
| 3. Chief examiner of that subject | Member |
| 4. Controller of Examinations | Convener |

- a. The involvement of the staff, who are in charge of conducting examinations, valuing examination papers and preparing / keeping records of documents related to the examinations in such acts (inclusive of providing incorrect or misleading information) that infringe upon the course of natural justice to one and all concerned at the examination shall be viewed seriously and appropriate disciplinary action will be taken after thorough enquiry.

16. Other Matters

- i) Deserving physically challenged candidates will be given additional examination time and a scribe based on the certificate issued by the concerned authority. Students who are suffering from contagious diseases are not allowed to appear either for internal or semester end examinations.
- ii) The students who participated in coaching / tournaments held at State / National / International levels through University / Indian Olympic Association during semester end external examination period will be promoted to subsequent semesters as per the guidelines of University Grants Commission Letter No. F.1-5/88 (SPE/PES), dated 18-08-1994.
- iii) The Principal shall deal in an appropriate manner with any academic problem which is not covered under these rules and regulations, in consultation with the Heads of the Departments and subsequently such actions shall be placed before the Academic Council for ratification. Any emergency modification of regulation, approved in the meetings of the Heads of the Departments shall be reported to the Academic Council for ratification.

17. General

- i) The Academic Council may, from time to time, revise, amend or change the regulations, schemes of examination and /or syllabi.
- ii) The academic regulations should be read as a whole for the purpose of any interpretation.
- iii) In case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Chairman of the Academic Council is final.
- iv) Wherever the word he, him or his occurs, it will also include she, her and hers.

* * *

III) MBA

1. Duration of the Program

The duration of the program is two academic years consisting of four semesters. However, a student is permitted to complete the course work of MBA program in the stipulated time frame of **FOUR** years from the date of joining.

2. Minimum Instruction Days

Each semester consists of a minimum of ninety instruction days.

3. Eligibility Criteria for Admission

The eligibility criteria for admission into first year of MBA Degree program shall be as mentioned below:

- i) The candidate shall be an Indian National.

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- ii) The candidate should have passed the qualifying examination B.A./B.Com/B.Sc/ BCA or equivalent in appropriate discipline as decided by the concerned Board of Studies or any equivalent examination recognized by JNTUK, Kakinada on the date of admission.
- iii) Admissions into the College are classified into Category-A (70% of intake) and Category-B (30% of intake).

3.1 Category - A Seats:

These seats shall be filled by the Convener, ICET admissions based on ICET Rank.

3.2 Category - B Seats:

These seats shall be filled by the College as per the guidelines of Andhra Pradesh State Council of Higher Education.

4. Course Structure:

4.1 Program Credits

MBA program is designed to have a total of 90 credits and the student shall have to complete the two year course work and earn all 90 credits for the award of MBA Degree.

4.2 Curricular Component

Sl. No.	Course Work-Subject Area	Total no. of credits	% of Total Credits
1	Basic Sciences (BS)	5	5.55
2	Humanities (H)	3	3.33
3	Professional Core (PC)	51	56.67
4	Professional Electives (PE)	24	26.67
5	Other (Project work, Comprehensive Viva-voce, etc.)	7	7.78

4.3 Course Code and Course Numbering Scheme

- i) Course Code consists of Six characters.
- ii) The First & Second characters are as described in table 4.1.

Table 4.1: First and second character description

First & Second Characters	Description
EG	Subjects offered by English Department
MA	Subjects offered by Mathematics Department
BA	Subjects offered by Business Administration Department

- iii) Third character is the numeral indicating the regulation, eg. '1' for 2014 regulations, '2' for 2017 regulations, etc.
- iv) The Fourth character is the numeral, '5' for UG programs and '9' for PG programs.
- v) Fifth & Sixth characters represent the course number with two digits in the serial order of subjects offered by a department, '01', '02', '03' '11', '12'..... etc.

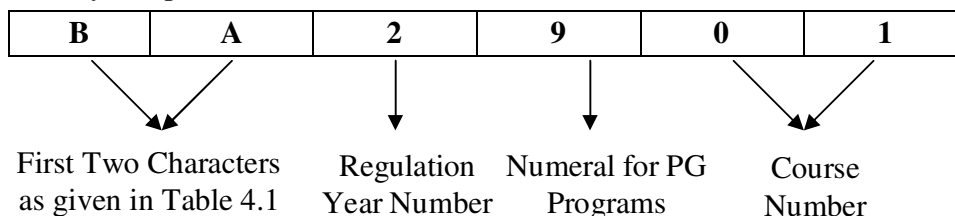


Figure 4.1: Course Code description

4.4 Credit Norms:

The Course Credits are broadly fixed based on the following norms.

- i) Three credits for each theory course with four lecture periods.
- ii) Two credits for each Laboratory course with three periods.

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- iii) Six credits for Project work with 12 contact periods.
- iv) One credit for comprehensive Viva-Voce.

5. Medium of Instruction

The medium of instruction and examination is English.

6. Syllabus

As approved by the Board of Studies concerned and the Academic Council.

7. Attendance Regulations

- 7.1 A student shall be eligible to appear for End Semester Examinations if he acquires a minimum of 75% of attendance in aggregate of all the subjects.
- 7.8 Condoning of shortage of attendance in aggregate up to 10% (65% and above and below 75%) in each semester will be considered for genuine reasons such as medical grounds and participation in co-curricular and extra-curricular activities and shall be granted only after approval by a committee duly appointed by the college. Student should submit application for medical leave along with medical certificate from a registered medical practitioner within three days from reporting to the class work after the expiry of the medical leave. In case of participation in co-curricular and extra-curricular activities, either in the college or other colleges, students must take prior written permission from HoD concerned and should also submit the certificate of participation from the organizer of the event within three days after the completion of the event. Only such cases will be considered for condoning attendance shortage.
- 7.9 A student shall be eligible to claim for condonation of attendance shortage for a maximum of one time during the two year (four semesters) course work of MBA. However, additional one time condonation exclusively during II Year (3rd or 4th Semester) shall be considered on genuine valid reasons.
- 7.10 A student will not be promoted to the next semester unless he satisfies the attendance requirement of the current semester. He may seek re-admission for that semester when offered next.
- 7.11 **Shortage of Attendance below 65% in aggregate shall in NO case be condoned.**
- 7.12 Students whose shortage of attendance is not condoned in any semester are not eligible to take their end examination of that semester and their registration shall stand cancelled.
- 7.13 A fee stipulated by the college shall be payable towards condoning attendance shortage.

8. Examinations and Scheme of Evaluation

8.1 Theory Courses:

Each theory course shall be evaluated for a total of 100 marks, consisting of 40 marks for internal assessment and 60 marks for semester end examination.

- i) Of 40 marks for internal assessment, 10 marks are for continuous assessment in the form of seminar / presentation and 30 marks are based on two mid-term examinations.
- ii) Of the 10 marks for continuous assessment, 5 marks are for seminar report and 5 marks are for presentation.
- iii) Each mid-term examination is conducted for 40 marks with two hours duration. Each mid-term examination consists of four questions, each for 10 marks. All the questions need to be answered.
- iv) Sum of the 75% marks of better scored mid-term examination and 25% marks of less scored mid-term examination are scaled down for 30 marks.

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External Assessment

The semester end examination shall be conducted for a duration of three hours with A, B & C Sections (Section-A consists of 6 two marks questions, Section-B consists of three essay questions with internal choice, each for 12 marks & Section-C contains case study for 12 marks). All sections are to be answered.

8.2 Laboratory Course:

- i) For practical subjects the distribution shall be 40 marks for Internal Evaluation and 60 marks for the semester end examinations. There shall be continuous evaluation by the internal subject teacher during the semester for 40 internal marks. Of the 40 marks for internal, 25 marks shall be for day-to-day performance (15 marks for day-to-day evaluation and 10 marks for Record) and 15 marks shall be evaluated by conducting an internal laboratory test towards the end of semester.
- ii) Semester End examination shall be conducted by the teacher concerned and external examiner for 60 marks.

8.3 Comprehensive Viva-Voce:

Comprehensive Viva-Voce examination is conducted in all the subjects of four semesters of the course for 100 marks at the end of fourth semester by a committee consisting of two senior faculty members of the department.

8.4 Project work:

- i) The final project work shall be carried out during the 4th semester and will be evaluated for 100 marks.
- ii) Of 100 marks, 40 marks shall be for Internal Evaluation and 60 marks for the project evaluation and end semester Viva-Voce.
- iii) Each student needs to give two seminars on the topic of his project, and each seminar is evaluated for 20 marks by a committee consisting of the supervisor and a senior faculty of the department. The sum of the mark of two seminars is taken as internal marks for 40.
- iv) The project evaluation and semester end Viva-Voce shall be conducted by the committee consisting of an External Examiner, Head of the Department and the supervisor of the project. The evaluation of project work shall be conducted at the end of the fourth year second semester.

9. Criteria for Passing a Course and Award of Grades:

9.1 Criteria for Passing a Course:

- i) A candidate shall be declared to have passed in individual theory/ laboratory / project course if he secures a minimum of 50% aggregate marks (internal & semester end examination marks put together), subject to a minimum of 40% marks in the semester end examination.
- ii) A candidate shall be declared to have passed in comprehensive viva-voce if he secures a minimum of 50% marks.
- iii) On passing a course of a program, the student shall earn assigned credits in that course.

9.2 Method of Awarding Letter Grades and Grade Points for a Course:

A letter grade and grade points will be awarded to a student in each course based on his performance as per the grading system given below.

Theory/ Elective Course (%)	Laboratory/ Seminar / Term Paper/ Project Dissertation (%)	Grade Points	Letter Grade
≥ 90	≥ 90	10	O (Outstanding)
≥ 80 & < 90	≥ 80 & < 90	9	A+ (Excellent)

≥ 70 & < 80	≥ 70 & < 80	8	A (Very Good)
≥ 60 & < 70	≥ 60 & < 70	7	B+ (Good)
≥ 50 & < 60	≥ 50 & < 60	6	B (Above Average)
< 50	< 50	0	F (Fail)

9.3 Calculation of Semester Grade Point Average (SGPA)* for semester:

The performance of each student at the end of the each semester is indicated in terms of SGPA. The SGPA is calculated as given below:

$$\text{SGPA} = \frac{\sum(CR \times GP)}{\sum CR} \text{ for each semester.}$$

where CR = Credits of a course

GP = Grade Points awarded for a course

* SGPA is calculated for a candidate who passed all the courses in that semester.

9.4 Eligibility for Award of MBA Degree:

A student will be declared eligible for the award of the MBA Degree if he fulfills the following academic regulations.

- i) Pursued a course of study for not less than two academic years and not more than four academic years.
- ii) Registered for prescribed **90** credits and secured **90** credits.
- iii) Students, who fail to complete their Two years Course of study within Four years or fail to acquire the **90** Credits for the award of the degree within four academic years from the year of their admission shall forfeit their seat in MBA course and their admission shall stand cancelled.

9.5 Calculation of Cumulative Grade Point Average (CGPA) for Entire Program:

The CGPA is calculated as given below:

$$\text{CGPA} = \frac{\sum(CR \times GP)}{\sum CR} \text{ for entire program.}$$

where CR = Credits of a course

GP = Grade points awarded for a course

9.6 Award of Division:

After satisfying the requirements prescribed for the completion of the program, the student shall be eligible for the award of MBA Degree and shall be placed in one of the following grades:

CGPA	Class
≥ 7.5	First Class with Distinction
≥ 6.5 & < 7.5	First Class
≥ 6.0 & < 6.5	Second Class

10. Supplementary Examinations

- i) Supplementary examinations will be conducted twice in a year at the end of odd and even semesters.
- ii) Semester end supplementary examinations shall be conducted till next regulation comes into force for that semester after the conduct of the last set of regular examinations under the present regulation.

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- iii) Thereafter, supplementary examinations will be conducted in the equivalent courses as decided by the Board of Studies concerned.
- iv) **Advanced Supplementary Examinations:** Candidate(s), who failed in theory / comprehensive Viva-Voce / project work courses in 4th semester can appear for advanced supplementary examination conducted within one month after declaration of the revaluation results. However, those candidates who fail in these advanced supplementary examinations shall appear for subsequent examination along with regular candidates in the examinations conducted at the end of the respective semester.

11. Revaluation

- i) Students can submit the applications for revaluation, along with the prescribed fee receipt for revaluation of his answer script(s) of theory course(s) as per the notification issued by the Controller of Examinations.
- ii) The Controller of Examinations shall arrange for revaluation of such answer script(s).
- iii) An external examiner, other than the first examiner, shall reevaluate the answer script(s).
- iv) If the variation in marks of two evaluations is less than 15% of total marks, the best mark of two evaluations shall be taken into consideration.
- v) If the variation in marks of two evaluations is more than 15% of total marks, there shall be third evaluation by an examiner other than the first two examiners. The best marks of two evaluations (which are nearer) shall be taken into consideration.

12. Readmission Criteria

A candidate, who is detained in a semester due to lack of attendance has to obtain written permission from the Principal for readmission into the same semester after duly fulfilling the required norms stipulated by the college and by paying the required tuition fee and special fee in addition to paying an administrative fee of Rs. 1,000/-.

13. Break in Study

Student, who discontinues the studies for what-so-ever reason, can get readmission into appropriate semester of MBA program only with the prior permission of the Principal of the College, provided such candidate shall follow the transitory regulations applicable to the batch he joins. An administrative fee of Rs.2,000/- per each year of break in study, in addition to the prescribed tuition and special fees should be paid by the candidate to condone his break in study.

14. Transitory Regulations

a) Regular course:

A candidate, who is detained or discontinued in a semester, on readmission shall be required to do all the courses in the curriculum prescribed for the batch of students in which the student joins subsequently. However, exemption will be given to those candidates who have already passed such courses in the earlier semester(s) he was originally admitted into and he will be offered substitute subjects in place of them as decided by the Board of Studies. However, the decision of the Board of Studies will be final.

b) Transfer candidates (from non-autonomous college affiliated to JNTUK):

14.1 A student who is following JNTUK curriculum, transferred from other college to this college in second year first semester (third semester) or subsequent semesters shall join with the autonomous batch in the appropriate semester. Such candidates shall be required to pass in all the courses in the program prescribed by the Board of Studies concerned for that batch of students from that semester onwards to be eligible for the award of degree. However, exemption will be given in the courses of the semester(s) of the batch which he had passed earlier and substitute subjects are offered in their place as decided by the Board of Studies. The student has to clear all his backlog subjects up to previous semester by appearing for the supplementary examinations conducted by JNTUK for the award of degree. The total

number of credits to be secured for the award of the degree will be the sum of the credits upto previous semester under JNTUK regulations and the credits prescribed for the semester in which a candidate joined after transfer and subsequent semesters under the autonomous stream. The class will be awarded based on the academic performance of a student in the autonomous pattern.

c) Transfer candidates (from an autonomous college affiliated to JNTUK):

14.2 A student who has secured the required credits upto previous semesters as per the regulations of other autonomous institutions shall only be permitted to be transferred to this college. A student who is transferred from the other autonomous colleges to this college in second year first semester (third semester) or subsequent semesters shall join with the autonomous batch in the appropriate semester. Such candidates shall be required to pass in all the courses in the program prescribed by the Board of Studies concerned for that batch of students from that semester onwards to be eligible for the award of degree. However, exemption will be given in the courses of the semester(s) of the batch which he had passed earlier and substitute subjects are offered in their place as decided by the Board of Studies. The total number of credits to be secured for the award of the degree will be the sum of the credits upto previous semester as per the regulations of the college from which he is transferred and the credits prescribed for the semester in which a candidate joined after transfer and subsequent semesters under the autonomous stream. The class will be awarded based on the academic performance of a student in the autonomous pattern.

15. Withholding of Results

If the student has not paid the dues, if any, to the College or if any case of indiscipline is pending against him, the result of the student will be withheld. His degree will be withheld in such cases.

16. Malpractices

- i) The Principal shall refer the cases of malpractices in internal assessment tests and semester end examinations to a malpractice enquiry committee constituted by him for the purpose. Such committee shall follow the approved levels of punishment. The Principal shall take necessary action against the erring students based on the recommendations of the committee.
- ii) Any action by the candidate trying to get undue advantage in the performance or trying to help another, or derive the same through unfair means is punishable according to the provisions contained hereunder.

Malpractice Provisions:

Sl. No.	Nature of Malpractices / Improper conduct	Punishment
1 (a)	Possesses or keeps accessible in examination hall, any paper, note book, programmable calculators, Cell phones, pager, palm computers or any other form of material concerned with or related to the subject of the examination (theory or practical) in which he is appearing but has not made use of (material shall include any marks on the body of the candidate which can be used as an aid in the subject of the examination.)	Expulsion from the examination hall and cancellation of the performance in that subject only.
(b)	Gives assistance or guidance or receives it from any other candidate orally or by any other body language methods or communicates through Cell phones with any candidates or persons in or outside the	Expulsion from the examination hall and cancellation of the performance in that subject only of all the candidates involved. In case of an outsider, he will be handed over to the police and a case is registered

	exam hall in respect of any matter.	against him.
2	Has copied in the examination hall from any paper, book, programmable calculators, palm computers or any other form of material relevant to the subject of the examination (theory or practical) in which the candidate is appearing.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the subjects of that semester / year. The hall ticket of the candidate is to be cancelled and sent to the university.
3	Impersonates any other candidate in connection with the examination.	The candidate who has impersonated shall be expelled from examination hall. The candidate is also debarred and forfeits the seat. The performance of the original candidate who has been impersonated shall be cancelled in all the subjects of the examination (including practicals and project work) already appeared and shall not be allowed to appear for the examinations of the remaining subjects of that semester/ year. The candidate is also debarred from class work and all university examinations for two consecutive semesters. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat. If the impostor is an outsider, he will be handed over to the police and a case is registered against him.
4	Smuggles the Answer book or takes out or arranges to send out the question paper during the examination or answer book during or after the examination.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the subjects of that semester / year. The candidate is also debarred for two consecutive semesters from class work and all university examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
5	Uses objectionable, abusive or offensive language in the answer paper or in letters to the examiners or writes to the examiner requesting him to award pass marks.	Cancellation of performance in that subject.
6	Refuses to obey the orders of the Chief Superintendent /Asst.-Superintendent/ any officer on duty or misbehaves or creates disturbance of any kind in or around the examination hall or organizes a walkout	In case of students of the college, they shall be expelled from examination halls and cancellation of their performance in that subject and all other subjects the candidate(s) has (have) already appeared

	or instigates others to walkout or threatens the officer-in-charge or any person on duty in or outside the examination hall of any injury to his person or to any of his relations whether by words, either spoken or written or by signs or by visible representation, assaults the Officer-in-charge or any person on duty in or outside the examination hall of any of his relations or indulges in any other act of misconduct or mischief which results in damage to or destruction of property in the examination hall or any part of the college campus or engages in any other act which in the opinion of the Officer on duty amounts to use of unfair means or misconduct or has the tendency to disrupt the orderly conduct of the examination.	and shall not be permitted to appear for the remaining examinations of the subjects of that semester/ year. The candidates also are debarred and forfeit their seats. In case of outsiders, they will be handed over to the police and a police case is registered against them.
7	Leaves the exam hall taking away answer script or intentionally tears of the script or any part thereof inside or outside the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the subjects of that semester/ year. The candidate is also debarred for two consecutive semesters from class work and all university examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
8	Possess any lethal weapon or firearm in the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the subjects of that semester/ year. The candidate is also debarred and forfeits the seat.
9	If student of the college who is not a candidate for the particular examination or any person not connected with the college indulges in any malpractice or improper conduct mentioned in clause 6 to 8.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the subjects of that semester/ year. The candidate is also debarred and forfeits the seat. Person(s) who do not belong to the college will be handed over to the police and a police case is registered against them.

10	Comes in a drunken condition to the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/ year.
11	Copying detected on the basis of internal evidence, such as, during valuation or during special scrutiny.	Cancellation of the performance in that subject and all other subjects the candidate has appeared including practical examinations and project work of that semester/ year examinations.
12	If any malpractice is detected which is not covered in the above clauses 1 to 11 shall be reported to the university for future action toward suitable punishment.	

Malpractices identified at spot centre during valuation

The following procedure is to be followed in the case of malpractice cases detected during valuation, scrutiny etc. at spot centre.

- I. A notice is to be served to the candidate(s) involved (i) through the Principal of the college concerned, (ii) to the candidate(s) to his college address and (iii) to the candidate(s) to his permanent address regarding the malpractice.
- II. A committee consisting of the following is to be constituted at spot centre to process such malpractice cases and the recommendations of the malpractice committee are to be sent to the university.
 1. Principal Chairman
 2. Dean Academic Affairs Member
 3. Chief examiner of that subject Member
 4. Controller of Examinations Convener
- b. The involvement of the staff, who are in charge of conducting examinations, valuing examination papers and preparing / keeping records of documents related to the examinations in such acts (inclusive of providing incorrect or misleading information) that infringe upon the course of natural justice to one and all concerned at the examination shall be viewed seriously and appropriate disciplinary action will be taken after thorough enquiry.

17. Other Matters

- i) Physically challenged candidates who have availed additional examination time and a scribe during their BA/B.Com/B.Sc/BCA or equivalent examinations will be given similar concessions on production of relevant proof/documents. Students who are suffering from contagious diseases are not allowed to appear either for internal or semester end examinations.
- ii) The students who participated in coaching / tournaments held at State / National / International levels through University / Indian Olympic Association during semester end external examination period will be promoted to subsequent semesters as per the guidelines of University Grants Commission Letter No. F.1-5/88 (SPE/PES), dated 18-08-1994.
- iii) The Principal shall deal in an appropriate manner with any academic problem which is not covered under these rules and regulations, in consultation with the Heads of the Departments and subsequently such actions shall be placed before the Academic Council for ratification. Any emergency modification of regulation, approved in the meetings of the Heads of the Departments shall be reported to the Academic Council for ratification.

P. N. Ganesan

18. General

- i) The Academic Council may, from time to time, revise, amend or change the regulations, schemes of examination and /or syllabi.
- ii) The academic regulations should be read as a whole for the purpose of any interpretation.
- iii) In case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Chairman of the Academic Council is final.
- iv) Wherever the word he, him or his occurs, it will also include she, her and hers.

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P. N. Ganesan