1.3.2

DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY
LUCKNOW

Evaluation Scheme & Syllabus

For

MBA Second Year

AS PER AICTE MODEL CURRICULUM

(Effective from the Session: 2019-20)

Director
I.E.N. Institute of
Engineering & Technology
Lucknow-226021

MBA Scheme of Teaching & Evaluation for Session 2019-20

SEMESTER III												
S. No.	Code	Course Title	Periods			Evaluation Scheme				Total	Credit
						Sessional Exams					
			L	T	P	CT	TA	Total	ESE		
1	KMB101	Strategic Management	4	0	0	30	20	50	100	150	3
2	KMB302	International Business Management	4	0	0	30	20	50	100	150	3
3		Specialization Group -1 Elective 1*	4	0	0	30	20	50	100	150	3
4		Specialization Group -1 Elective 2*	4	0	0	30	20	50	100	150	3
5		Specialization Group -1 Elective 3*	4	0	0	30	20	50	100	150	3
6		Specialization Group -2 Elective 1*	4	0	0	30	20	50	100	150	3
7		Specialization Group -2 Elective 2*	4	0	0	30	20	50	100	150	3
8	KMB303	Summer Training Project Report & Viva Voce	2	0	0	0	0	50	100	150	3
		TOTAL							**800**	**1200**	**24**

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SEMESTER IV											
S. No.	Code	Course Title	Evaluation Scheme								Credit
			Sessional Exams								
			L	T	P	CT	TA	Total	ESE	Total	
1	KMB401	Project Management	4	0	0	30	20	50	100	150	3
2	KMB402	Entrepreneurship Development	4	0	0	30	20	50	100	150	3
3	KVL401	Universal Human Values and Professional Ethics	4	0	0	30	20	50	100	150	3
4		Specialization Group -1 Elective 4*	4	0	0	30	20	50	100	150	3
5		Specialization Group -1 Elective 5*	4	0	0	30	20	50	100	150	3
6		Specialization Group -2 Elective 3*	4	0	0	30	20	50	100	150	3
7	KMB405	Research Project Report and Viva Voce	4	0	0	0	0	100	200	300	6
		TOTAL							800	1200	24

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CO 5: Knowledge about the suppon systems of manufacturing	K1(Remember) K2(Understand)

Summer Training Project Report

At the end of the second semester examination, it is mandatory for every student of MBA to undergo on-the-job practical training in any manufacturing, service or financial organization. The training will be of 6 to 8 weeks duration. The college/institute will facilitate this compulsory training for students.

2. During the training, the student is expected to learn about the organization and analyze and suggest solutions to a live problem. The objective is to equip the students with the knowledge of actual functioning of an organization and problems faced by them for exploring feasible solutions.

3. During the course of training, the organization (where the student is undergoing training) will assign a problem/project to the student.

4. The student, after the completion of training will submit a report to the College/Institute which will form part of the third semester examination. However, the report must be submitted by the end of September 30.

5. The report (based on training and the problem/project studied) prepared by the student will be known as Summer Training Project Report. The report should ordinarily be based on primary data. It should reflect in depth study of a micro problem, ordinarily assigned by the organization where the student undergoes training. Relevant tables and bibliography should support it. One comprehensive chapter must be included about the organization where the student has undergone training. This should deal with brief history of the organization, its structure, performance products/services and problem faced. This chapter will form part 1 of the report. Part 2 of the report will contain the study of micro research problem. The average size of report ordinarily will be of minimum 100 pages in standard font size (12) and double spacing. Two neatly typed (one sided only) and soft bound copies of the report will be submitted to the College/Institute. The report will be typed on A-4 size paper.

6. The report will have three certificates, one by the Head of the Department, another by the Faculty guide and third one from reporting officer of the organization where the student has undergone training. These three certificates should be attached in the beginning of the report.

7. The Summer Training Project Report will carry 150 marks and will be evaluated by two examiners (external and internal). The evaluation will consist of (1) Project Report evaluation (2) Project Presentation and Viva Voce.

The Project Report evaluation will comprise of 50 sessional marks and would be evaluated by internal project guide. The Presentation and Viva Voce would comprise of 100 marks and would be evaluated by two examiners (1 external and 1 internal). The average of the marks awarded by the 2 examiners will be taken into account for the results. In case the difference in the awards given by the examiners is 30 or more marks, the project report will be referred to a third examiner. Only such person will evaluate the project report who has minimum

three years of experience of teaching MBA classes in a College/University. Experience of teaching MBA classes as guest faculty shall not be counted.

8. The parameters on which external evaluation would be carried out are as under:

Project Report Evaluation:

Evaluation Criteria	Understanding of Objectives with topic (20)	Understanding Of Reliance of topic (20)	Interpretation & Analysis (20)	Presentation (20)	Query handling (20)

9. It is mandatory that the student will make presentation in the presence of teachers and students. The student is expected to answer to the queries and questions raised in such a meeting.

10. The student shall prepare the Summer Training Project Report as per the format given in the Summer Training Manual as prescribed by the University

Research Project Report (RPR)

In fourth semester, the candidates will have to submit a Research Project Report on a problem/topic (from the specialization areas) to be assigned by the MBA department under the supervision of a core faculty member of the department. The Research Project Report will carry 300 marks. The evaluation of the project report will be done by two examiners (external & internal). The evaluation will consist of (1) Evaluation of Project Report (2) Presentation and Viva Voce. The evaluation of Project Report will comprise of 50 marks and would be evaluated by the internal guide. The evaluation of Viva Voce of Project would comprise of 200 marks and would be evaluated by two examiners (1 external and 1 internal).The average of the marks awarded by the 2 examiners will be taken into account for the results. In case the difference in the marks given by the examiners is 30 or more, the project report will be referred to a third examiner. In such cases the average of two closer awards (given by three examiners) will be taken into account for the results. The report will contain the objectives and scope of the study. Research Methodology, use and importance of the study, analysis of data collected, conclusions and recommendations. It will contain relevant charts, diagrams and bibliography. A certificate of the supervisor and the Head of the MBA program certifying the authenticity of the report shall be attached therewith. The student will submit two copies of the report to the Head of MBA program. The number of pages in the report will be minimum 75 or more. The report should be typed in A-4 size paper. The parameter on which both evaluation (1 & 2) would be carried on would be on the basis of:

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The scheme of evaluation for Project Report

Criteria	Relevance of Objectives with topic (20)	Relevance of Research Methodology(40)	Interpretation & Analysis (40)	Total (100)

The scheme of evaluation of Viva voce

Evaluation Criteria	Understanding of Objectives with topic (40)	Understanding of the relevance of Research (40)	Interpretation & Analysis (40)	Presentation & Communication skills (40)	Query Handling (40)	Total (200)

The student shall prepare the Research Project Report as per the format given in the Research Project Report Manual as prescribed by the University.

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DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY LUCKNOW

STUDY & EVALUATION SCHEME WITH SYLLABUS

FOR

B. TECH 4th YEAR
MECHANICAL ENGINEERING

ON

CHOICE BASED CREDIT SYSTEM

(EFFECTIVE FROM THE SESSION: 2019-20)

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Modinagar-201204

SEVENTH SEMESTER									
Sl.No.	Subject Code	Subject Name	Department	L-T-P	Th/Lab Marks ESE	Sessional CT	Sessional TA	Total	Credit
1		OPEN ELECTIVE COURSE-1	Other Dept.	3-0-0	70	20	10	100	3
2		DEPTT ELECTIVE COURSE-3	Core Deptt.	3-0-0	70	20	10	100	3
3		DEPTT ELECTIVE COURSE-4	Core Deptt.	3-1-0	70	20	10	100	4
4	RME701	CAD/CAM	Core Deptt.	3-1-0	70	20	10	100	4
5	RME702	Automobile Engineering	Core Deptt.	3-0-0	70	20	10	100	3
6	RME751	CAD/CAM Lab	Core Deptt.	0-0-2	50		50	100	1
7	RME752	IC Engine & Automobile Lab	Core Deptt.	0-0-2	50		50	100	1
8	RME753	INDUSTRIAL TRAINING	Core Deptt.	0-0-3			100	100	2
9	RME754	PROJECT-1	Core Deptt.	0-0-6			200	200	3
	TOTAL				**450**	**100**	**450**	**1000**	**24**

DEPARTMENTAL ELECTIVE-3	
Sub.Code	Subject Name
RME070	Composite Materials
RME071	Power Plant Engineering
RME072	Supply Chain Management
RME073	Additive Manufacturing

DEPARTMENTAL ELECTIVE-4	
S.Code	Subject Name
RME075	Operation Research
RME076	Modelling &Simmulation
RME077	Computational Fluid Dynamics
RME078	Automation & Robotics

EIGHT SEMESTER									
Sl.No.	Subject Code	Subject Name	Department	L-T-P	Th/Lab Marks ESE	Sessional CT	Sessional TA	Total	Credit
1		OPEN ELECTIVE COURSE-2	Other Deptt.	3-0-0	70	20	10	100	3
2		DEPTT ELECTIVE COURSE-5	Core Deptt.	3-1-0	70	20	10	100	4
3		DEPTT ELECTIVE COURSE-6	Core Deptt.	3-0-0	70	20	10	100	3
4	RME851	SEMINAR	Core Deptt.	0-0-3			100	100	2
5	RME852	PROJECT-2	Core Deptt.	0-0-12	350		250	600	12
	TOTAL				**560**	**60**	**380**	**1000**	**24**

DEPARTMENTAL ELECTIVE-5	
Sub.Code	Subject Name
RME080	Non-Destructive Testing
RME081	Advance Welding
RME082	Thermal Turbo Machine
RME083	Energy Conservation & Management

S.Code	MOOC Subject Name
RME084	Industrial Safety Engineering

DEPARTMENTAL ELECTIVE-6	
S.Code	Subject Name
RME085	Total Quality Management
RME086	Gas Dynamics & Jet Propulsion
RME087	Design & Transmission System
RME088	Theory of Elasticity

S.Code	MOOC Subject Name
RME089	Manufacturing of Composites

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Durgapur-713206

DR. A.P.J ABDUL KALAM TECHNICAL UNIVERSITY, LUCKNOW

EVALUATION SCHEME & SYLLABUS

FOR

B. TECH. FOURTH YEAR

(CHEMICAL ENGINEERING)

ON

CHOICE BASED CREDIT SYSTEM (CBCS)

DIRECTOR
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Engineering & Technology
Modinagar-201204

B Tech. Chemical Engineering

4^{th} Year VII-SEMESTER

Session- 2019-20

Sl No.	Subject Code	Subject Name	L-T-P	Th/Lab Marks	Sessional		Total	Credit
					Test	Assig/ Att.		
1		OPEN ELECTIVE COURSE-1	3---0---0	70	20	10	100	3
2		DEPTT ELECTIVE COURSE-3	3---0---0	70	20	10	100	3
3		DEPTT ELECTIVE COURSE-4	3---1---0	70	20	10	100	4
4	RCH701	Process Modelling & Simulation	3---0---0	70	20	10	100	3
5	RCH702	Process Design & Economics	3---1---0	70	20	10	100	4
6	RCH751	CAD Lab	0---0---2	50		50	100	1
7	RCH752	Energy Lab	0---0---2	50		50	100	1
8	RCH753	Industrial Training	0---0---3			100	100	2
9	RCH754	PROJECT-1	0---0---6			200	100	3
	TOTAL						**1000**	**24**

DEPARTMENT ELECTIVE 3:

RCH071: Corrosion Science & Engg
RCH072: IPA & Waste Management
RCH073: Colloid Surface & Interfacial Phenomena
RCH074: Environmental Impact Assessment

DEPARTMENT ELECTIVE 4:

RCH075: Energy Engg. & Management
RCH076: Project Engg & Management
RCH077: Fuel Cell Technology
RCH078: Advance Numerical Analysis

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B Tech. Chemical Engineering

4^{th} Year VIII- SEMESTER

Session- 2019-20

Sl No.	Subject Code	Subject Name	L-T-P	Th/Lab Marks	Sessional		Total	Credit
					Test	Assig/ Att.		
1		Open Elective Course-2	3—0—0	70	20	10	100	3
2		Dept. Elective Course-5	3—1—0	70	20	10	100	4
3		Dept. Elective Course-6	3—0—0	70	20	10	100	3
4	RCH851	Seminar	0—0—3			100	100	2
5	RCH852	Project-2	0—12—0	350		250	600	12
		TOTAL					1000	24

DEPARTMENT ELECTIVE 5:

RCH081: Fertilizer Technology
RCH082: Fluidization Engg
RCH083: Multiphase Reactor Design
RCH084: Biochemical Engineering (MOOCs)

DEPARTMENT ELECTIVE 6:

RCH085: Novel Separation Process (MOOCs)
RCH086: Petroleum Refining
RCH087: Petrochemical Technology
RCH088: Polymer Technology

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RCH751: CAD Lab (0:0:2)

1. Solve a non-linear algebraic equation using Newton-Raphson's method.
2. Calculate pressure drop in pipe.
3. Calculate minimum fluidization velocity.
4. Calculate terminal velocity.
5. Solve a system of non-linear equations.
6. Calculate the molar volume of saturated liquid water and saturated water vapour using van der

1. Waals, Redlich-Kwong and Peng-Robinson cubic equation of state.
2. Solve system of simultaneous ordinary differential equations.
3. Solve for outlet temperatures of series of stirred tanks with coil heater.
4. Solve for non-isothermal PFR.
5. Solve for concentration profiles of A, B and C in the series reaction A→B→C.

RCH752: Energy Lab (0:0:2)

1. Determination of composting of the supplied sample of Coal by Proximate Analysis.
2. To find the effect to temperature on viscosity of the supplied samples of liquid fuel using Red wood viscometer/ lubricating oil using Engler's Viscometer.
3. To find the Flash and Fire point of the supplied samples of liquid fuel using (i) Pensky Martein closed cup apparatus (ii) Abel open cup apparatus.
4. To find the Aniline point of the supplied samples of liquid fuels using Aniline point apparatus and hence find out the Diesel Index Number of the Diesel oil.
5. To find the moisture content of the supplied samples of liquid fuel/ Crude oil using Dean and Stark apparatus.
6. To find the Pour point and Solidification point of the supplied samples of liquid fuels.
7. To determine the Gross calorific value of the supplied sample of coal using Bomb Calorimeter (on ash free basis).
8. To determine the Smoke Point of Kerosene oil using Smoke Point apparatus.

RCH753: Industrial Training (0:0:3)

The students must submit the report to their institute complete 4 week Industrial Training after the completion of their 6th semester. Students may opt this course at any Industry/ Research Lab for 4 weeks.

RCH754: PROJECT – 1 (0:0:6)

The students would be allotted an industrial project or any Research Project in the beginning of the VII semester itself. He/ She may continue this project in details, later in the (8th) semester. The assessment of ESE will be done the faculty member of the other department within the same institute.

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Sikar-332404

RCH851: Seminar (0:0:3)

Students have to present a detailed power point presentation on their own project topics. This seminar will help them to enhance their personality.

RCH852: Project-2 (0:12:0)

This project course may be in continuation of Project-1 (RCH-754) allotted in the beginning of the VII semester. Here, the students are supposed to do the detailed work as scheduled in the last semester. Finally, he/she will be required to submit the detailed project report on which viva-voice examination will be conducted by a committee having at least one external examiner.

DEPARTMENT ELECTIVE 5:

RCH081: Fertilizer Technology (3:1:0)

Unit 1
Introduction of Indian fertilizer industries, types of fertilizers process details.

Unit 2
Manufacture of Nitrogenous, Phosphatic, potastic, complex, NPK, mixed, Dio and other fertilizers.

Unit 3
Discussion of existing Indian plants pollution and its control, abatement and disposal of waste of fertilizer units.

Unit 4
Retrofits and modernization, computer control and instrumentation, Energy conservation and diversification.

Unit 5
Design of Ammonia converters and other reactors, cooling water, expansion, capacity utilization and other problem of fertilizers industry.

Books:

1. Mortvedt J. J., Murphy L. S. & Follett R. H., Fertilizer Technology & Applications, Meister Publishing Company
2. Shreves Chemical Process Industries, McGraw Hill
3. Drydens Outlines of Chemical Technology, East West Press

RCH082: Fluidization Engg (3:1:0)

UNIT I

Importance of fluidization in process industry, comparison of fluidized beds with other modes of contacting, advantages and disadvantages, industrial applications.

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DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY, LUCKNOW

EVALUATION SCHEME & SYLLABUS FOR

B. TECH. IV YEAR

ELECTRICAL ENGINEERING

ON

CHOICE BASED CREDIT SYSTEM (CBCS)

[Effective from the Session: 2019-20]

DIRECTOR
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Modinagar-201204

EVALUATION SCHEME

B-TECH. ELECTRICAL ENGINEERING

YEAR 4th / SEMESTER-VII

S. No.	Subject Code	Subject Name	Department	L-T-P	Th./Lab Marks	Sessional		Total	Credit
					ESE	CT	TA		
1		OPEN ELECTIVE COURSE-1	Other Deptt.	3--0--0	70	20	10	100	3
2		DEPTT ELECTIVE COURSE-3	Core Deptt.	3--0--0	70	20	10	100	3
3		DEPTT ELECTIVE COURSE-4	Core Deptt.	3--1--0	70	20	10	100	4
4	REE701	ELECTRICAL DRIVES	Core Deptt.	3--1--0	70	20	10	100	4
5	REE702	POWER SYSTEM PROTECTION	Core Deptt.	3--0--0	70	20	10	100	3
6	REE751	INDUSTRIAL AUTOMATION & PLC LAB	Core Deptt	0--0--2	50		50	100	1
7	REE752	POWER SYSTEM LAB	Core Deptt.	0--0--2	50		50	100	1
8	REE753	INDUSTRIAL TRAINING	Core Deptt.	0--0--3			100	100	2
9	REE754	PROJECT-I	Core Deptt.	0--0--6			200	200	3
	TOTAL				450	100	450	1000	24

DEPTT. ELECTIVE COURSE-3

1. REE070: Microprocessors and Microcontrollers
2. REE071: Utilization of Electrical Energy & Electric Traction
3. REE072: Introduction to Smart Grid
4. REE073: Power System Optimization

DEPTT. ELECTIVE COURSE-4

1. REE075: Industrial Automation and Control
2. REE076: Energy Efficiency & Conservation
3. REE077: Reliability Engineering
4. REE078: Electric Machine Design

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EVALUATION SCHEME

B-TECH. ELECTRICAL ENGINEERING

YEAR 4th / SEMESTER-VIII

S. No.	Subject Code	Subject Name	Department	L-T-P	Th/Lab Marks	Sessional		Total	Credit
					ESE	CT	TA		
1		OPEN ELECTIVE COURSE-2	Other Deptt.	3--0--0	70	20	10	100	3
2		DEPTT ELECTIVE COURSE-5	Core Deptt	3--1--0	70	20	10	100	4
3		DEPTT ELECTIVE COURSE-6	Core Deptt.	3--0--0	70	20	10	100	3
4	REE851	GD & SEMINAR	Core Deptt.	0--0--3			100	100	2
5	REE852	PROJECT-2	Core Deptt.	0--0--12	350		250	600	12
	TOTAL				560	60	380	1000	24

DEPTT. ELECTIVE COURSE-5

1. REE080: Advanced Control System
2. REE081: Introduction to Power Quality & FACTS
3. REE082: Power System Dynamics, Control and Monitoring (NPTEL)
4. REE083: Computer Aided Power System Analysis

DEPTT. ELECTIVE COURSE-6

1. REE085: EHVAC &DC Transmission
2. REE086: Power Theft & Energy Management
3. REE087: Digital Image Processing
4. REE088: Antennas (NPTEL)

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EVALUATION SCHEME & SYLLABUS

FOR

B. TECH. FOURTH YEAR

(CIVIL ENGINEERING)

On

Choice Based Credit System

(Effective from session 2019-20)

DIRECTOR
Dr. A.P.J. Abdul Kalam Institute of
Engineering & Technology
Kalinagar-201206

SEVENTH SEMESTER **CIVIL ENGINEERING** **SESSION 2019-20**

S. No.	Subject Code	Subject Name	Department	L-T-P	Th/Lab Marks	Sessional		Total	Credit
					ESE	CT	TA		
1		Open Elective Course-I	Other Deptt.	3---0---0	70	20	10	100	3
2		**Elective -3**	Core Deptt.	3---0---0	70	20	10	100	3
	RCE071	Geology and Soil Mechanics							
	RCE072	Rural Development Engineering							
	RCE073	Structural Health Monitoring & Rehabilitation							
	RCE074	River Engineering							
3		**Elective -4**	Core Deptt.	3---1---0	70	20	10	100	4
	RCE075	Computational Fluid Dynamics							
	RCE076	Railways, Airport & Water Ways							
	RCE077	Air & Noise Pollution Control							
	RCE078	Ground Improvement Techniques							
4	RCE701	Design of Structure-III	Core Deptt.	3---1---0	70	20	10	100	4
5	RCE702	Water Resources	Core Deptt.	3---0---0	70	20	10	100	3
6	RCE751	Non Destructive Testing Laboratory	Core Deptt.	0---0---2	50		50	100	1
7	RCE752	Mini Project	Core Deptt.	0---0---2	50		50	100	1
8	RCE753	Industrial Training	Core Deptt.	0---0---3			100	100	2
9	RCE754	Project-I	Core Deptt.	0---0---6			200	200	3
	TOTAL				**450**	**100**		**1000**	24

Industrial Training: Industrial Training 1 (completed after IVth sem) & 2 (completed after VIth sem) is to be evaluated in VII semester.

Project-1:-Students will initiate Project work in VII semester as Project -1 and the same will be completed in VIII semester as Project-2.

Evaluation of Project-1 should be based on the progress reported by the student and certified by the supervisor.

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Dr. H.N. Mishra Institute of
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RCE752 Mini Project

(L-T-P 0-0-2) Credit - 1

- **Students will be asked to work upon minimum four of the following topics during the semester.**
- **They will submit the report of each topic containing following information (as per need of topic) like: introduction, general information, usage/application (if any) detailed description of work/process, relevant diagrams, drawings & tabulation (if any), observation and results (as applicable) or any other relevant information as per topic.**

1. Work related to preparation of bill of quantity & tender document.
2. Work related to design & drawing of flat slab using IS code method.
3. Work related to cost estimation of (including market survey of rates by students) building/earth work for a highway.
4. Work related to scheduling of activities of a project using relevant software
5. Work related to preparation of layout plan of a building and its marking on ground.
6. Design & analysis of a G+5 residential building using structural design and analysis software like STAAD Pro/STRUDS/SAP/ETAB/STRAP.
7. Work related to design of a small sewage treatment plant (STP) unit for a residential society.
8. Work related to computation of surface runoff & design of rain water harvesting system for given area (relevant software may be used for runoff computation).

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EIGHTH SEMESTER **CIVIL ENGINEERING** **SESSION 2019-20**

S No.	Subject Code	Subject Name	Teaching Deptt.	L-T-P	Th/Lab Marks	Sessional		Total	Credit
					ESE	CT	TA		
1		Open Elective Course -2	Other Deptt.	3---0---0	70	20	10	100	3
2	RCE081 RCE082 RCE083 RCE084	**Elective -5** Finite Element Method Structural Dynamics Advanced Concrete Design Solid Waste Management	Core Deptt.	3---1---0	70	20	10	100	4
3	RCE085 RCE086 RCE087 RCE088	**Elective -6** Engineering Hydrology and Ground Water Management Urban Transportation System & Planning Probability Methods in Civil Engineering Earthquake Resistant Design of Structure	Core Deptt.	3---0---0	70	20	10	100	3
4	RCE851	Seminar	Core Deptt.	0 ---0---3			100	100	2
5	RCE852	Project-2	Core Deptt.	0---0---12	350		250	600	12
	TOTAL				**560**	**60**	**380**	**1000**	**24**

The required identification and distribution of electives through NPTEL has been made as given below.

Sem	Departmental Elective	Name of Elective through NPTEL
VIII	5	RCE082 Structural Dynamics
	6	RCE087 Probability Methods in Civil Engineering

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DR. A.P.J. ABDUL KALAM TECHNICALUNIVERSITY
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EVALUATION SCHEME & SYLLABUS

FOR

B. TECH. FINAL YEAR

ELECTRONICS ENGINEERING/ ELECTRONICS & COMMUNICATION ENGINEERING/ ELECTRONICS & TELECOMMUNICATION ENGINEERING

ON

CHOICE BASED CREDIT SYSTEM (CBCS)

[Effective from the Session: 2019-20]

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EVALUATION SCHEME

B.TECH. ELECTRONICS ENGINEERING, ELECTRONICS & COMMUNICATION ENGINEERING, ELECTRONICS & TELECOMMUNICATION ENGINEERING

YEAR 4TH/ SEMESTER VII

Sr. No.	Sub Code	Subject Name	Dept.	L-T-P	Th/Lab Marks	Sessional		Subject Total	Credit
					ESE	CT	TA		
1		Open Elective-I**	Other Dept.	3--0--0	70	20	10	100	3
2		Departmental Elective-III	Core Deptt.	3--0--0	70	20	10	100	3
3		Departmental Elective-IV	Core Deptt.	3--1--0	70	20	10	100	4
4	REC701	Data Communication Networks	Core Deptt.	3--1--0	70	20	10	100	4
5	REC702	VLSI Design	Core Deptt.	3--0--0	70	20	10	100	3
6	REC751	Optical Communication Lab	Core Deptt.	0--0--2	50	-	50	100	1
7	REC752	Electronics Circuit Design Lab	Core Deptt.	0--0--2	50	-	50	100	1
8	REC753	Industrial Training Viva-Voce	Core Deptt	0--0--3	-	-	100	100	2
9	REC754	Project I	Core Deptt.	0--0--6	-	-	200	200	3
	TOTAL				450	100	450	1000	24

LIST OF DEPTT. ELECTIVES:

Elective – III REC 07* Departmental Elective III

1. REC070 Optical Network
2. REC071 Information Theory & Coding
3. REC072 Digital Image Processing
4. REC073 Advance Programming in Engineering

Elective – IV REC 07* Departmental Elective IV

1. REC075 Optical Communication
2. REC076 Filter Design
3. REC077 Applied Fuzzy Electronic Systems
4. REC078 Computerized Process Control

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EVALUATION SCHEME

B.Tech. Electronics Engineering, Electronics & Communication Engineering, Electronics & Telecommunication Engineering

YEAR 4th/ SEMESTER VIII

Sr. No	Sub Code	Subject Name	Dept.	L-T-P	Th/LAB Marks	Sessional		Subject Total	Credit
					ESE	CT	TA		
1		Open Elective-II**	Other Dept.	3-0-0	70	20	10	100	3
2		Departmental Elective-V	Core Deptt.	3-1-0	70	20	10	100	4
3		Departmental Elective-VI	Core Deptt.	3-0-0	70	20	10	100	3
4	REC851	Seminar	Core Dept.	0-0-3			100	100	2
5	REC852	Project II	Core Dept.	0-0-12	350	-	250	600	12
	TOTAL				560	60	380	1000	24

LIST OF DEPTT. ELECTIVES:

Elective – IV REC 08* Departmental Elective V

1. REC080 Electronic Switching
2. REC081 Analytical Instrumentation
3. REC082 Advanced Display Technologies & Systems
4. REC083 Satellite & RADAR systems

Elective – VI REC 08* Departmental Elective VI

1. REC085 Wireless & Mobile Communication)
2. REC086 Voice Over IP
3. REC087 Speech Processing
4. REC088 Micro and Smart Systems

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Evaluation Scheme & Syllabus

For

B.Tech. Fourth Year

(Computer Science and Engineering/Computer Science)

On

Choice Based Credit System

DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY LUCKNOW

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B.Tech. (Computer Science and Engineering)
VII SEMESTER

Sl. No.	Subject Code	Subject Name	L-T-P	Th/Lab Marks	Sessional		Total	Credit
				ESE	CT	TA		
1	Open Elective-1	Open Elective Course-1	3--0--0	70	20	10	100	3
2	CS Elective-3	Deptt Elective Course-3	3--0--0	70	20	10	100	3
3	CS Elective-4	Deptt Elective Course-4	3--1--0	70	20	10	100	4
4	RCS701	Distributed System	3--1--0	70	20	10	100	4
5	RCS702	Artificial Intelligence	3--0--0	70	20	10	100	3
6	RCS751	Distributed System Lab	0--0--2	50		50	100	1
7	RCS752	Artificial Intelligence Lab	0--0--2	50		50	100	1
8	RCS753	Industrial Training	0--0--3			100	100	2
9	RCS754	Project	0--0--6			200	200	3
	TOTAL			450	100	450	1000	24

B.Tech. (Computer Science and Engineering)
VIII SEMESTER

Sl. No.	Subject Code	Subject Name	L-T-P	Th/Lab Marks	Sessional		Total	Credit
				ESE	CT	TA		
1	Open Elective-2	Open Elective Course-2	3--0--0	70	20	10	100	3
2	CS Elective-5	Deptt Elective Course-5	3--1--0	70	20	10	100	4
3	CS Elective-6	Deptt Elective Course-6	3--0--0	70	20	10	100	3
4	RCS851	Seminar	0--0--3			100	100	2
5	RCS852	Project	0--0--12	350		250	600	12
	TOTAL			560	60	380	1000	24

DEPARTMENTAL ELECTIVES

CS-ELECTIVE -3:

1. RCS070 Embedded Systems
2. RCS071 Application of Soft Computing
3. RCS072 High Performance Computing
4. RCS073 Human Computer Interface

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Evaluation Scheme & Syllabus

For

B.Tech. Fourth Year

(Information Technology)

On

Choice Based Credit System

(Effective from the Session: 2019-20)

DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY LUCKNOW

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B.Tech. (Information Technology)
VII SEMESTER

Sl. No.	Subject Code	Subject Name	L-T-P	Th/Lab Marks	Sessional		Total	Credit
				ESE	CT	TA		
1	Open Elective-1	Open Elective Course -1	3--0--0	70	20	10	100	3
2	IT Elective-3	Deptt Elective Course-3	3--0--0	70	20	10	100	3
3	IT Elective-4	Deptt Elective Course-4	3--1--0	70	20	10	100	4
4	RIT701	Cryptography & Network Security	3--1--0	70	20	10	100	4
5	RCS702	Artificial Intelligence	3--0--0	70	20	10	100	3
6	RIT751	Cryptography & Network Security Lab	0--0--2	50		50	100	1
7	RCS752	Artificial Intelligence Lab	0--0--2	50		50	100	1
8	RIT753	Industrial Training	0--0--3			100	100	2
9	RIT754	Project	0--0--6			200	200	3
	TOTAL			450	100	450	1000	24

B.Tech. (Information Technology)
VIII SEMESTER

Sl. No.	Subject Code	Subject Name	L-T-P	Th/Lab Marks	Sessional		Total	Credit
				ESE	CT	TA		
1	Open Elective-2	Open Elective Course-2	3--0--0	70	20	10	100	3
2	IT Elective-5	Deptt Elective Course-5	3--1--0	70	20	10	100	4
3	IT Elective-6	Deptt Elective Course-6	3--0--0	70	20	10	100	3
4	RIT851	Seminar	0--0--3			100	100	2
5	RIT852	Project	0--0--12	350		250	600	12
	TOTAL			560	60	380	1000	24

DEPARTMENTAL ELECTIVES

IT-ELECTIVE -3

1. RIT070 Computer Graphics
2. RCS071 Application of Soft Computing
3. RCS072 High Performance Computing
4. RCS073 Human Computer Interface

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