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DRAFT CURRICULUM
M.TECH.(CARPET & TEXTILES)

INDIAN INSTITUTE OF CARPET TECHNOLOGY (IICT), BHADOHI Affiliated to Dr. APJ ABDUL KALAM TECHNICAL UNIVERSITY, LUCKNOW PROPOSESD DRAFT TEMPLATE

OF

SCHEME OF EXAMINATION AND EVALUATION

ON

CHOICE BASED CREDIT SYSTEM

FOR

POST GRADUATE COURSE: M. TECH IN TECHNOLOGY MANAGEMENT (CARPET AND TEXTILE)

BY

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TO BE PLACED BEFORE BOARD OF STUDIES, A.K.T.U FOR ADOPTION

The proposed M. Tech program endeavors to provide the students, a knowledge base of interdisciplinary theories and techniques, related to technology and it's management to develop the students' decision-making and leadership capabilities to meet the stake holder's requirement. Further the structure of the course is so designed to train and develop students' terminal competency for career development and confidently face the challenges of a dynamic textile business including carpet world staged with diverse, multicultural and global business settings.

Towards these objectives and to suit the contents of each course, a variety of teaching methodologies, such as inter firm comparison in technology context case studies, role-play, problem solving exercises, group discussion, computer simulation games, audio-visuals, are used in the program.

Program Educational Objectives

This M. Tech program seeks to enable students to achieve the following objectives:

1. To provide students with an unique foundation by making them aware of critical concepts, techniques & technologies that are relevant to achieving organisational objectives in Technology management perspective

2. To integrate the knowledge and skills thus acquired across various business functions in general and carpet textiles in particular.

3. Develop and strengthen various professional skills such as team building, leadership, effective communication & presentation skills to better negotiate the potential complexities in organizations in managing technologies..

4. Critically analyze and adopt a creative thinking approach to provide ethical, innovative and credible solutions, using information technology to ensure an immediate return on corporate investment, demographic dividend considering Socio economic Potential in carpet & Textile trade.

5. Students will demonstrate their ability to adapt to a rapidly changing environment and use this ability as input to propose strategies for future improvement.

6. Students will learn to assess & evaluate Technology & business issues and practices from a local and global perspective.

7. To ensure the smooth transition from campus to corporate by developing industry ready professionals. Who can combine two engines Technology &economy and art and craft.

Structure of Post Graduate Program

The course is of two years divided into four semesters, in I year (I and II semester) will have eight compulsory papers of 40 sessions each of one hour duration. In II year (III & IV semester) will have 2 compulsory subjects each. The program offers a system of major and

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minor specialisation having six papers (three each in III & IV semester) from major specialization & four papers (two each in III & IV semester) from minor specialization.

Summer training for 6 -8 weeks is compulsory for every student pursuing the course, which they have to undergo between second and third semester. Professional Proficiency Score, Comprehensive Viva and Research Project are part of the course.

Core Courses

The students are required to complete the core courses as these are designed to give the students a firm base in the areas of General Management, Economics, Finance, Human Resource Management, Marketing, Information Technology Strategy, Entrepreneurship, International Business.

Elective Papers

The M. Tech program to offer specialization in the areas of Advance in Carpet and

Textile Technology, Advance in Designing Technology, Emerging Technology, international

business focusing H.S. codes, operational management focusing performance metrics socio

economics, Technology management ,international business, operation management,

performance management.

 A student is required to choose from elective papers for major and minor specialization as per scheme of AKT University.

Professional Proficiency Score

The Professional Proficiency Score (PPS) would ensure the overall professional development in all area of Technology management like organizing, leadership, creativity and team building. This will include the contribution made by students in guest lecture, seminar, industrial visit, development of IT Skills & Soft Skills.

Comprehensive Viva

The comprehensive viva voce will be scheduled as per scheme of AKT University.

Summer Training Project Report

The student of M. Tech program to under go on the job training. The duration, objective, reporting , assessment, evaluation, presentation etc. will be finalised complying the need and scheme of the AKT university.

Research Project Report

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 department under the supervision of a core faculty member of the department. The research project report will be as per scheme /guideline of AKT University.

TEMPLATE OF COURSE STRUCTURE FOR M. TECH IN TECHNOLOGY MANAGEMENT (C.T.M) PROGRAM

Management foundation course to manage utilization of technology in industry.

Semester I

S. No.	Course Title	Subject Area	Credit
1	Organisation Behaviour (I)	General Management	4
2	Managerial Economics	General Management	4
3	Financial Accounting for Managers	Finance	4
4	Business Statistics	General Management	4
5	Business Environment	General Management	4
6	Marketing Management	Marketing	4
7	Business Communication	General Management	4
8	Computer Application & Management Information System	IT	4
9	Professional Proficiency Score		2
10	Comprehensive Viva		2
	TOTAL		**36**

Semester II

S. No.	Course Title	Subject Area	Credit
1	Organisational Behaviour (II)	General Management	4
2	Human Resource Management	HRM	4
3	Business Research Methods	General Management	4
4	Financial Management	Finance	4
5	Cost & Management Accounting	Finance	4
6	Production Operation & Supply Chain Management	General Management	4
7	Quantitative Techniques for Managers	General Management	4
8	Legal Aspects for Business	General Management	4
9	Professional Proficiency Score		2
10	Comprehensive Viva		2
	TOTAL		**36**

Semester III

S. No.	Course Title	Subject Area	Credit
1	Strategic Management	General Management	4
2	International Business Management	General Management	4
3	Specialization Group -1 Elective 1*		4
4	Specialization Group -1 Elective 2*		4
5	Specialization Group -1 Elective 3*		4
6	Specialization Group -2 Elective 1*		4
7	Specialization Group -2 Elective 2*		4
8	Professional Proficiency Score		2
9	Summer Training Project Report & Viva Voce		4
10	** Human Value &Professional Ethics/ Cyber Security		Non credit course
	TOTAL		**34**

Semester IV

S. No.	Course Title	Subject Area	Credit
1	Corporate Governance and Values and Ethics	General Management	4
2	Entrepreneurship Development	General Management	4
3	Specialization Group -1 Elective 3*		4
4	Specialization Group -1 Elective 4*		4
5	Specialization Group -1 Elective 5*		4
6	Specialization Group -2 Elective 3*		4
7	Specialization Group -2 Elective 4*		4
8	Professional Proficiency Score		2
9	Dissertation Project and Viva Voce		4
10	** Human Value & Professional Ethics/ Cyber Security		Non credit course
	TOTAL		**34**

Note: elective papers to be chosen out of list of proposed elective papers available.

ELECTIVES PAPERS

Specialization Group: Human Resource

Electives Papers in III Semester

S. No	Course Title
1	Recruitment & Selection
2	Training & Development
3	Compensation Management
4	Employee Relations & Labor Laws

Electives Papers in IV Semester

S. No	Course Title
1	Performance Management Systtem
2	Negotiation & Conflict Management
3	International Human Resource Management
4	Organization Structure & Design

Specialisation Group: Marketing

Electives Papers in III Semester

S. No	Course Title
1	Consumer Behaviour
2	Product & Brand Management
3	Digital Marketing
4	Integrated Marketing Communication

Electives Papers in IV Semester

S. No	Course Title
1	Marketing of Services
2	Retail Management
3	Sales & Distribution Management
4	Production cost analysis: Carpet & Textile

Specialisation Group Finance: Sustainable Technology and management Electives Papers in III Semester

S. No	Course Title
1	Industrial Manufacturing Process: Quality-Cost
2	Financial Management
3	Productivity & Management : Carpet & Textile
4	Technology Updates: Carpet & Textiles

Electives Papers in IV Semester

S. No	Course Title
1	Micro Finance
2	Working Capital Management
3	Tax Planning & Management
4	Project Management

Specialisation Group: International trade

Electives Papers in III Semester

S. No	Course Title
1	International Marketing
2	Indian Foreign Trade Framework
3	Export Import Documentation
4	WTO & Regional Trading Blocks

Electives Papers in IV Semester

S. No	Course Title
1	**International Business Strategy**
2	Designing Technology: Carpet & Textile
3	Focusing Market & trend: Carpet & Textile
4	Managing Cultural Diversity

Specialisation Group: Information Management

Electives Papers in III Semester

S. No	Course Title
1	Market intelligence: Carpet & Textiles
2	Web Technology
3	Database Management System
4	System Analysis & Design

Electives Papers in IV Semester

S. No	Course Title
1	Managing IT Infrastructure
2	Management of unit value realisation: Carpet & Textile
3	Data Communication & Network
4	**Production Management: Business process out sourcing**

SCHEME OF TEACHING AND EXAMINATION

1. Semester wise scheme of teaching and examination for semester I & II may be as under

Semester I

S. No.	Course Title	Credit	Hrs	Evaluation Scheme			
				Sessional Exams			
				Test	Assig/Att	Ext	Total
1	Organisation Behaviour (I)	4	40	20	10	70	100
2	Managerial Economics	4	40	20	10	70	100
3	Financial Accounting for Managers	4	40	20	10	70	100
4	Business Statistics	4	40	20	10	70	100
5	Business Environment	4	40	20	10	70	100
6	Marketing Management	4	40	20	10	70	100
7	Business Communication	4	40	20	10	70	100
8	Computer Application & Management Information System	4	40	20	10	70	100
9	Professional Proficiency Score	2			50		50
10	Comprehensive Viva	2				50	50
	TOTAL	**36**	**320**				**900**

Semester II

S. No.	Course Title	Credit	Hrs	Evaluation Scheme			
				Sessional Exams			
				Test	Assig/Att	Ext	Total
1	Organisational Behaviour (II)	4	40	20	10	70	100
2	Human Resource Management	4	40	20	10	70	100
3	Business Research Methods	4	40	20	10	70	100
4	Financial Management	4	40	20	10	70	100
5	Cost & Management Accounting	4	40	20	10	70	100
6	Production Operation & Supply Chain Management	4	40	20	10	70	100
7	Quantitative Techniques for Managers	4	40	20	10	70	100
8	Legal Aspects for Business	4	40	20	10	70	100
9	Professional Proficiency Score	2			50		50
10	Comprehensive Viva	2				50	50
	TOTAL	**36**	**320**				**900**

2. Semester wise scheme of teaching and examination for semester I & II may be as under

Semester III

S. No.	Course Title	Credit	Hrs	Sessional Exams		Ext	Total
				Test	Assig/Att		
1	Strategic Management	4	40	20	10	70	100
2	International Business Management	4	40	20	10	70	100
3	Specialization Group -1 Elective 1*	4	40	20	10	70	100
4	Specialization Group -1 Elective 2*	4	40	20	10	70	100
5	Specialization Group -1 Elective 3*	4	40	20	10	70	100
6	Specialization Group -2 Elective 1*	4	40	20	10	70	100
7	Specialization Group -2 Elective 2*	4	40	20	10	70	100
8	Professional Proficiency Score	2			50		50
9	Summer Training Project Report & Viva Voce	4			50	100	150
10	** Human Value &Professional Ethics/ Cyber Security	Non credit course	20	20	10	70	100
	TOTAL	**34**	**300**				**1000**

Semester IV

S. No.	Course Title	Credit	Hrs	Sessional Exams		Ext	Total
				Test	Assig/Att		
1	Corporate Governance and Values and Ethics	4	40	20	10	70	100
2	Entrepreneurship Development	4	40	20	10	70	100
3	Specialization Group -1 Elective 3*	4	40	20	10	70	100
4	Specialization Group -1 Elective 4*	4	40	20	10	70	100
5	Specialization Group -1 Elective 5*	4	40	20	10	70	100
6	Specialization Group -2 Elective 3*	4	40	20	10	70	100
7	Specialization Group -2 Elective 4*	4	40	20	10	70	100
8	Professional Proficiency Score	2			50		50
9	Dissertation Project and Viva Voce	4				150	150
10	** Human Value & Professional Ethics/ Cyber Security	Non credit course	20	20	10	70	100
	TOTAL	**34**	**300**				**1000**

DRAFT PROPOSAL

RULES AND REGULATIONS

FOR

**POST GRADUATE PROGRAM M. TECH IN TECHNOLOGY MANAGEMENT
(CARPET & TEXTILE)**

CHOICE BASED CREDIT SYSTEM (CBCS):

The CBCS provides choice for student to select from prescribed courses. Sequencing Plan for the M. Tech in technology management Curriculum

Semester	Course Coverage
I & II	**Core Courses**
III & IV	**Core Courses & Electives**

1. **Admission**

   1.1 Admission to M. Tech first year in Ist semester is proposed to be in the line of IIT's/NIT's. The decision of central govt. and subsequent approval of affiliating University- Dr. A. P. J. Abdul Kalam Technical University (APJAKTU) Lucknow is applicable.

   1.2 Admission on migration of a candidate from any other University to the University Shall be permitted considering all India status of IICT.

2. **ELIGIBILITY FOR ADMISSION**

   2.1 Admission to M.TECH TECHNOLOGY MANAGEMENT (CARPET & TEXTILES) First Year through Entrance Examination:
   Candidates who have passed a B. Tech in Carpet & Textile Technology / equivalent qualification with at-least 65 percent marks (relaxation for SC/ST candidates of 5%) obtained after a minimum of four years of education after completing higher secondary schooling (10+2) or equivalent. GATE qualified candidates will get priority.

   2.2 Direct Admission on Vacant seats at Institutions / College level:

   The eligibility criteria for direct admission on seats vacant in first year after entrance examination counseling shall be such as may be notified from time to time.

   2.3 The IICT authority shall have power to amend or repeal the eligibility criteria laid down at clause 2.1 as per the guidelines of Statuary body like affiliating university.

3. **ATTENDANCE**
   3.1 Every student is required to attend all the lectures, tutorials, practical and other prescribed curriculum and co- curricular activities. The attendance can be condoned upto 25% on medical grounds or for other genuine reasons beyond the control of students.

   3.2 A further relaxation of attendance upto 15% for a student can be given provided that he/she has been absent with prior permission of the Head of Institution / College for the reasons acceptable to him.

3.3 No student will be allowed to appear in the end semester examination if he/ sh\e do not satisfy the overall average attendance requirements of Clause no. 3.1 and 3.2 and such candidate(s) shall be treated as having failed and will be further governed by clause no 4.2 & 4.3.

3.4 The attendance shall be counted from the date of admission in the college or start of academic session whichever is later.

4. DURATION OF COURSES

4.1 Total duration of the M. Tech Course shall be 2 years, each year comprising of two semester. Each semester shall normally have teaching for the 90 working days or as prescribed by University from time to time.

4.2 The student admitted to 1st year M. Tech shall complete the course within a period
of four academic years from the date of first admission, failing which he/she has to discontinue the course.

4.3 A candidate, who has failed twice in first year due to any reason (either due to his/ her non- appearance or he/ she being not permitted to appear in semester examinations) shall not be allowed to continue his/ her studies further. Provided further that if a student wishes to continue third time in first year he/she may be allowed on the terms and conditions laid down by the University for such permission but the maximum time allowed for completing the course will remain the same as in clause 4.2.

5. CURRICULUM

5.1 The 2 year curriculum has been divided into 4 semesters and shall include lectures, tutorials, practical, seminars and projects etc, in addition to industrial training and educational tour etc. as defined in the scheme and executive instructions issued by the University from time to time.

5.2 The curriculum will also include such other curricular , co – curricular and extra curricular activities as may be prescribed by the university from time to time.

6. EXAMINATION

6.1 The performance of a student in a semester shall be evaluated through continuous

class assessment and end semester examination. The continuous assessment shall be focused on class tests, assignment/tutorials, quizzes/viva voce and attendance. The marks for Continuous assessment (Sessional marks) shall be awarded at the end of the semester. The end semester examination shall be comprised of written papers ,

practical and viva voce, inspection of certified course work in classes, project work or by means of any combination of these methods.

6.2 The distribution of marks for sessional, end semester theory papers, practical and other examinations, seminars, projects, industrial training and general efficiency shall be as prescribed.

6.3 The marks obtained in a subject shall consists of marks allotted in end semester theory paper and sessional work.

6.4 The marks of Professional Proficiency Score (PPS) shall be awarded by head of Institution / Department looking at overall assessment of participation in extra co curricular activities and discipline / sincerity/ behavior of student during entire semester.

7. ELIGIBILITY OF PASSING /PROMOTION AND ELIGIBILITY FOR THE EXAMINATION / CARRY OVER SYSTEM
The ordinance /guideline of affiliating university- Dr. A. P. J. Abdul Kalam Technical University (APJAKTU) Lucknow are applicable.

8. RE-ADMISSION IN THE INSTITUTION/COLLEGE

A candidate may be allowed for re- admission provided he/she satisfies one of the following conditions:

10.1   candidate is declared fail

10.2   A candidate did not appear in a semester examination/or he/she was not granted permission to appear in the examination

10.3   A candidate has been detained by the institute and subsequently has been permitted to take re admission

10.4 A candidate as an ex student passed the examination of the academic year or qualified for carry over system.

10.5 Candidate promoted with carry over subject and he/she opted for readmission.

9. COURSES

9.1   There will be two types of courses.

• Core Courses: This is the course which is to be compulsorily studies by a students as a core requirement to complete the requirement of a program in a said discipline of study.

•   Elective Course: This is course which can be chosen from the pool of papers .It may be supportive to the discipline/domain /providing extended scope/enabling an exposure to some other discipline / domain/nurturing student proficiency skills.

9.2   The minimum number of students to be registered for an elective to be offered shall be as per institute requirement to be duly approved by affiliating university- DR. A. P. J.

Abdul Kalam Technical University (APJAKTU) Lucknow is applicable**.**

9.3   A Students shall exercise his option in respect of the elective and register for the same at the beginning of the concerned semester. The student may be permitted to opt for change of elective subject within 15 days from the date of commencement of the semester as per the calendar of the University.

10.   OTHERS: COMPUTATION OF SGPA AND CGPA/ CONVERSION OF GRADES INTO PERCENTAGE/ AWARD OF RANKS PRIZES AND MEDALS/SECURITY AND REVALUATION/ UNFAIR MEANNS /AWARD OF SESSIONAL MARKS AND PROFESSIONAL PROFICIENCY SCORE/ CANCLATION OF ADMISSION

The System/scheme of Dr. APJAKT University, the affiliating university shall be binding for all above clauses.

Note: this is a draft proposal prepared by consultants and Director IICT and subject to any revision in due course of time before the same is adopted.