SchemeofCourseWork

CourseTitle	ManagementofTechnology
CourseCode	15HM1106
Program	B.Tech
Prerequisites	ManagementofTechnology

Course Outcomes

1	Understandthebasicconceptsoftechnologyanditsrequirementtoindustry.
2	Analyzedifferentdynamicsandapproachesoftechnologyandhowtechnologycycleworks
3	Determinetheroleofstrategicplanningintechnologyplanninganditsevaluationmetho ds.
4	Classifydifferentfacetsoftechnologypartnershipwithintermediariesandlicensing
5	Acknowledgevarioustechnologyoutsourcingandtechnologyupgradationmodes.

correlationCourse Outcome versus Program Outcomes

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
CO-1						3			2		3		
CO-2						3			2		3		
CO-3						2			3		3		
CO-4						3			3		3		
CO-5						3			3		3		

Week	Week Topics/Contents		Sample Questions	Teachinglearning strategy	Assessment Method &Schedule
1	Introduction Technologyorigin andevolution - Technologyasan asset- Competitivetechnologystr ategicoptions- Typesofcommercialization - Commercializationprocess -Technologyopportunities- Technologyscaleup-	1	1.Discusstheorigina nd evolutionoftechnol ogy	 Lecture Discussion 	Assignment- I/Quiz-I/Mid-I
2	Transferdecisionmaking- Choiceoftechnology- Tailoringtechnologytomeet specificindustryrequireme nts TechnologyCycle Technolo gycycleandunderstanding technologychange	1 &2	1.Howcan anindustrialistmake achoiceofa productand relatedtechnologyf orstarting a plant	 Lecture Discussion Problem solving 	Assignment- I/Quiz-I/Mid-I

3	Responding totechnologydynamics- Adoptionoftechnology- Overcomingresistance-	2	1.Discusstheprecaut ionstobetaken bythetopmanageme ntduringrecession	 Lecture Discussion Problem solving 	Assignment- I/Quiz-I/Mid-I
	Differentdynamicsand		period	C C	

4	TechnologyAssessment	3	1.	•	Lecture	Assignment-
	Disseminationoftechnol ogyinformationand strategicplanning		Howdisseminationof technologyinformati on andstrategicplannin ghelpsin assessment.	•	Discussion Problem solving	I/Quiz-I/Mid-I
5		1	MID EXAMI			1
6	Technologychoiceandeva luationmethods- Analysisof alternativetechnologies- Implementationoftechno logyprogrammes.	3	1. Howcan anindustrialist analyzealtern ativetechnolo gies?	•	Lecture Discussion	Assignment- II/Quiz-II/Mid-II
7	TechnologyLicensingandPartneringIn-housedevelopment-PartnershipswithIntermediaries-SponsoredDevelopment-JointDevelopment-Collaborativedevelopment- Technologylicensing-Rightsof licenseholders-Financialterms-Documentation	4	1. Whatistheadvan tageof inhousedevelop mentoftechnolo gyisanassetto theorganization.	•	Lecture Discussion	Assignment- II/Quiz-II/Mid-II
8	TechnologyNegotiationand DiffusionTechnologynegotiation-Preparation andconductof negotiation -Technologyoutsourcing-Socio,economic,political,legalandculturalconsiderations-Technologydiffusion-Technologytransfermodes	4	1. 'Technologynego tiation isanimportantas pectin manufacturingse ctor'Substantiate theabovestatem ent	•	Lecture Discussion	Assignment- II/Quiz-II/Mid-II
9	Technologyup-gradation- Technologymodernization -Adoptionof newtechnologies- Absorptionof newtechnologies- Absorption process	5	1.Technologyupgr adation ismandatoryother wisethemanufactu rerwillhaveto shutdownthebusin ess-Discuss	•	Lecture Discussion	Assignment- II/Quiz-II/Mid-II
10		·	MID EXAMII			