

Course Curriculum Framework
Name of Program MTECH Cloud DEVOPS (OJT Starting 1st Semester)

Type of Course Sem	Major Core			Skill Enhancement	Ability Enhancement	Value Added Course	Multi - disciplinary	OJT	Audit Course
	Discipline Core 1	Discipline Core 2	Discipline Elective						
Semester I	Network and Security (2)	OS Administration (2)	Cloud Computing Fundamentals (2)	Project: Cloud Computing (2)	Lab Practice: Module I: Networks and Security, Module II: OS Admin (2)	--	Service Management (2)	OJT (8)	Life Skills (soft skills related audit course) (0)
Certificate in in IT Infrastructure Management									
Semester II	Designing Cloud Architecture (2)	Cloud Platforms Architecture -I or II (2)	Cloud Platform Operations: I or II (2)	Project: Cloud Deployment (2)	Lab Practice: Module I: Cloud Platform Arch, Module II: Cloud Platform Operations (2)	--	Cloud Security and Management (2)	OJT (8)	Life Skills (soft skills related audit course) (0)
Certificate in Cloud Specialist Exit: (Sem I +II) - Diploma in Cloud Computing									
Semester III	DevOps Foundation (2)	Advanced Container management (2)	A. Container Orchestration Platform - I B. Container Orchestration Platform – II (2)	Project (2)	Lab Practice: Module I: Container Orchestration and Management, Module II: Infrastructure Automation (2)	--	A. Continuous Integration and Deployment B. IT infrastructure automation (2)	OJT (8)	Life Skills (soft skills related audit course) (0)
Certified Kubernetes Admin/ RedHat Certified specialist in Openshift administration EXIT (I+II+III) -ADVANCED DIPLOMA IN CLOUD DEVOPS									
Semester IV	--	--	A. Research methodology B. Project management (3)	--	--	Climate Change / Carbon Credits (1)	--	MAJOR PROJECT/ OJT (16)	Professional Ethics (0)
MTECH in CLOUD DEV OPS									