## FINANCIAL MODELLING

Course Code		Category	Ho	Hours / Week			Maximum Marks		
CMB420 Contact Classes: 45		Elective	L	Т	Р	С	CIA	SEE	Total
			3	-	-	3	30	70	100
		<b>Tutorial Class</b>	es: Nil	s: Nil Practical Clas		es: Nil	Total Classes: 45		
<ol> <li>Underst</li> <li>Apply n</li> <li>II. Emphas</li> <li>V. Identify</li> <li>V. Identify</li> <li>V. Gain kn</li> <li>COURSE OI</li> <li>Ability t functions</li> <li>Understa</li> <li>Create and</li> <li>Examine particula</li> <li>Use excession</li> <li>Analyze drivers, of</li> <li>Determin manager</li> <li>Demonsta</li> <li>Building</li> <li>Categori statemen</li> <li>Interpret</li> <li>Explain</li> </ol>	hould enabl and the basic nodels in dif- ize the concer- the risk whi owledge in t <b>JTCOMES</b> o understan in excel, cr nd the finan n awareness different s r distribution l sheet to pr ts. the risk in p liscontinued ne efficient ment using ex- rate the excer a mega mod ze how to n ts. the recordin how to designed <b>UNDERST</b> to modeling g charts, usi els.	d the financial n eating charts, usin ce functions prese for students about statistical distribu n, building models epare common siz roject appraisal, s cash flow valuation portfolio, creating cel in derivatives el. nake decision rules ing and editing mac gn an advanced fir ANDING THE B , introduction to ing forms and cor	ctions in ex ance includ inance and the model nancial model nodeling in g forms an nt in excel the presen tions used in finance e statemen imulation i on, risk ana g dynamic black and s, message cros, subro nancial mod <b>ASIC FE</b> / excel, und	ling investi derivative to enhance odeling usin n excel, usin d control t by creating t scenario i in simul susing sim its directly in project a alysis in va portfolios schools n box and in utines and dels using <b>ATURES</b> ( lerstanding ox, underst	s. decision ng VBA. nderstand ool box . g dynamid of manage ation gen ulation. from trial uppraisal; luation , portfoli nodel, Gr nput box, functions visual bas	ing advance c models. er and sensiti herating rand l balance and excel in valu o insurance eeks in exce debugging ir in excel. sic applicatio EL d features o	d feature vity anal lom num also fore ation, de and fix l, real op n excel for n user for	ysis featur nbers that ecasting th etermination ed incom- ptions val or preparin rms.	res. follow a e financia on of value e portfolie uation and g financia Classes: 09 unctions i el, creatin
JNIT-II	SENSITIV	ITY ANALYSIS	USING EX	XCEL				0	Classes: 09
	-	ensitivity analysis ndom numbers th			-				

**UNIT-III EXCEL IN ACCOUNTING** Classes: 09 Preparing common size statements directly from trial balance, forecasting financial statements using excel, analyzing financial statements by using spreadsheet model, excel in project appraisal, determining project viability. Risk analysis in project appraisal, simulation in project appraisal, excel in valuation, determination of value drivers, discontinued cash flow valuation, risk analysis in valuation. **UNIT-IV EXCEL IN PORTFOLIO THEORY** Classes: 09 Determining efficient portfolio, creating dynamic portfolios, portfolio insurance, fixed income portfolio management using excel, excel in derivatives black and schools model in excel, Greeks in excel, real options valuation, building a mega model. UNDERSTANDING SUBROUTINES AND FUNCTIONS AND BUILDING **UNIT-V** Classes: 09 SIMPLE FINANCIAL MODELS USING SUBROUTINES Recording and editing macros, subroutines and functions, decision rules, message box and input box, debugging, designing advanced financial models using visual basic application user forms, other advanced features, actual model building. **Text Books:** 1. S. Benninga, "Financial Modeling", 2<sup>nd</sup> edition. Francis J. Clauss,"Financial Modeling with Excel", (revised May 2006) 2. **Reference Books:** 1. S. Christian Albright, "VBA for Modelers", 2<sup>nd</sup> edition. 2. C. Sengupta," Financial Modeling Using Excel and VBA". 3. J. Walkenbach,"Excel 2003 Power Programming with VBA". Web References: 1. http://www.aazea.com/book/financial-modeling-and-valuation-a-practical-guide/ https://www.bpmglobal.com/files/downloads/training/fmf/Financial%20Modelling%20Fundamental s.pdf 2. **E-Text Books:** 1. http://files.leopolds.com/books/Financial.Modeling.4th.Edition.2014.Benninga.pdf 2. http://160592857366.free.fr/joe/ebooks/Corporate%20Finance/Wiley%20Advanced%20Modelling% 20in%20Finance%20using%20Excel%20and%20VBA.pdf