## Maulana Abul Kalam Azad University of Technology, WB (Formerly known as West Bengal University of Technology) Syllabus of B.Sc. in Statistics Effective from academic session 2023-24

## Model curriculum structure for 4 year UG programs for B.Sc. in Statistics

SEM	MAJOR (Offline)	Credit	Minor (Blended Mode)	Inter Disciplinary (Offline)	Ability Enhancement (Offline)	Skill Enhancement (Online /Sessional)	Common Value added Course (SESSIONAL)	TOTAL CREDITS
I	DESCRIPTIVE STATISTICS BASIC	5	Computer Fundamental (3 credits	Any one from GE baskets Basket A or	ENGLISH & PROFESSIONAL COMMUNICATION (2 CREDITS)	LIFE SKILLS & PERSONALITY DEVELOPMENT (2 CREDITS)	YOGA/ HEALTH & WELLNESS/ SPORTS (2 CREDITS)	22
	PROBABILITY			D (3 CREDITS)				
II	APPLICATION OF PROBABILITY IN REAL LIFE	5	Management Information System (3 Credit)	Any one from GE baskets Basket B or	Modern Indian Languages and Literature (2 CREDITS)	IT Skills (2 CREDITS)	CRITICAL THINKING/ NSS MENTAL HEALTH	22
	MATHEMATICAL ANALYSIS	5		E (3 CREDITS)			(2 CREDITS)	
III	SAMPLING DISTRIBUTIONS	5	Word and PowerPoint & Spreadsheet Application with Excel (4 credits))	Any one from GE baskets Basket C or F (3 CREDITS)	THE CONSTITUTION, HUMAN RIGHTS & LAW (2 CREDITS)	Understanding basics of Cyber Security (2 CREDITS)		21
	STATISTICAL INFERENCE	5						

## Maulana Abul Kalam Azad University of Technology, WB (Formerly known as West Bengal University of Technology) Syllabus of B.Sc. in Statistics Effective from academic session 2023-24

IV	SURVEY SAMPLING  STATISTICAL QUALITY CONTROL	4 4 5	Database Management with SQL  (4 credits)  Graphic Design with PhotoShop & Illustrator	SOCIETY, CULTURE  & HUMAN BEHAVIOUR (2 CREDITS)		23
	LINEAR MODEL		(4 credits) 2L+2P			
V	STOCHASTIC PROCESS AND QUEUING THEORY	5	Cloud Computing (4 credits) 2L+2P E-commerce and Application (4 credits)		INTERNSHIP (4 CREDITS)	22
	MODERN STATISTICAL TECHNIQUES	5				
VI	MULTIVARIATE ANALYSIS AND NONPARAMETRIC METHODS	5	Web Development with HTML and CSS (4 credits) 2L+2P			22
	DESIGN OF	5	Internet and Networking			

## Maulana Abul Kalam Azad University of Technology, WB (Formerly known as West Bengal University of Technology) Syllabus of B.Sc. in Statistics Effective from academic session 2023-24

	EXPERIMENTS		(4 credits)					
	OPERATIONS RESEARCH	4						
VII	TIME SERIES ANALYSIS & ECONOMETRICS	5	Software Project Management (4 credits)					22
	RESEARCH METHODOLOGY	5	Digital Marketing (4 credits)					
	SURVIVAL ANALYSIS AND BIOSTATISTICS	4						
VIII	MULTIVARIATE ANALYSIS AND NONPARAMETRIC METHODS	5				RESEARCH PROJECT (12 CREDITS)		22
	FINANCIAL AND ACTUARIAL STATISTICS	5						
	Total Credits	91	42 CREDITS	9 CREDITS	8 CREDITS	22 CREDITS	4 CREDITS	176