

Course Structures of 3rd Semester for (a) Animation & Multimedia Technology, (b) Control and Instrumentation, (c) Construction Technology and (d) Food Processing Technology.

THIRD SEMESTER (ANIMATION AND MULTIMEDIA TECHNOLOGY)

Sl. No.	Code No	Subject	Contact hours per week			Evaluation Scheme				Total Marks
						Theory		Practical		
			L	T	P	Exam	Sessional	Exam/Viva	Sess.	
1	Co-301	Computer Application	2	0	6	28/70	15/30	12/25	13/25	150
2	Hu-302	Engineering Economics & Accountancy	3	1	0	28/70	15/30			100
3	Sc-303	Mathematics-III	3	2	0	28/70	15/30			100
4.	IT-301	Information Technology	3	1	0	28/70	15/30			100
5	AMT-301	Multimedia Systems & Technology	4	0	2	28/70	15/30	12/25	13/25	150
6	AMT-302	Introduction to Animation	3	1	0	28/70	15/30			100
Total									700	

THIRD SEMESTER (CONTROL AND INSTRUMENTATION)

Sl. No.	Code No	Subject	Contact hours per week			Evaluation Scheme				Total Marks
						Theory		Practical		
			L	T	P	Exam	Sessional	Exam/Viva	Sess.	
1	Co-301	Computer Application	2	0	6	28/70	15/30	12/25	13/25	150
2	Hu-302	Engineering Economics & Accountancy	3	1	0	28/70	15/30			100
3	Sc-303	Mathematics-III	3	2	0	28/70	15/30			100
4	CAI-301	Principles of Electrical & Electronics Engineering	4	0	2	28/70	15/30	12/25	13/25	150
5	CAI-302	Computer Programming with C/C++	3	0	4	28/70	15/30	12/25	13/25	150
6.	CAI-303	Digital Circuits	3	1	2	28/70	15/30	12/25	13/25	150
Total									800	

THIRD SEMESTER (FOOD PROCESSING TECHNOLOGY)

Sl. No.	Code No	Subject	Contact hours per week			Evaluation Scheme				Total Marks
						Theory		Practical		
			L	T	P	Exam	Sessional	Exam/Viva	Sess.	
1	Co-301	Computer Application	2	0	6	28/70	15/30	12/25	13/25	150
2	Hu-302	Engineering Economics & Accountancy	3	1	0	28/70	15/30			100
3	Sc-303	Mathematics-III	3	2	0	28/70	15/30			100
4	BES-304	Applied Mechanics	3	0	0	28/70	15/30			100
5	FPT-301	Introduction to Food Processing Technology	4	0	2	28/70	15/30	12/25	13/25	150
6.	FPT-302	Elements of Food Engineering – I	4	0	2	28/70	15/30	12/25	13/25	150
Total									750	

THIRD SEMESTER (CONSTRUCTION TECHNOLOGY)

Sl. No.	Code No	Subject	Contact hours per week			Evaluation Scheme				Total Marks
						Theory		Practical		
			L	T	P	Exam	Sessional	Exam/Viva	Sess.	
1	Co-301	Computer Application	2	0	6	28/70	15/30	12/25	13/25	150
2	Hu-302	Engineering Economics & Accountancy	3	1	0	28/70	15/30			100
3	Sc-303	Mathematics-III	3	2	0	28/70	15/30			100
4	CT-301	Construction Materials	4	0	2	28/70	15/30			100
5	CT-302	Surveying-I	4	0	2	28/70	15/30	12/25	13/25	150
6.	CT-303	Strength of Materials	4	0	2	28/70	15/30			100
Total									700	

FOURTH SEMESTER (ANIMATION AND MULTIMEDIA TECHNOLOGY)

Sl. No.	Code No	Subject	Contact hours per week			Evaluation Scheme				Total Marks
						Theory		Practical		
			L	T	P	Exam	Sessional	Exam/Viva	Sess.	
1	AMT-401	2D & Flash Animation	2	0	6	28/70	15/30	12/25	13/25	150
2	AMT-402	Web Designing	2	0	6	28/70	15/30	12/25	13/25	150
3	AMT-403	3D Modelling	2	0	6	28/70	15/30	12/25	13/25	150
4	AMT-404	Texturing	2	0	6	28/70	15/30	12/25	13/25	150
5	AMT-405	Rigging	2	0	6	28/70	15/30	12/25	13/25	150
Total										750

FOURTH SEMESTER (CONTROL AND INSTRUMENTATION)

Sl. No.	Code No	Subject	Contact hours per week			Evaluation Scheme				Total Marks
						Theory		Practical		
			L	T	P	Exam	Sessional	Exam/Viva	Sess.	
1	CAI-401	Basic Electrical Circuits	3	0	2	28/70	15/30	12/25	13/25	150
2	CAI-402	Electrical Machines & Control	3	0	2	28/70	15/30	12/25	13/25	150
3	CAI-403	Instrumentation & Process Control	3	0	2	28/70	15/30	12/25	13/25	150
4.	CAI-404	Electronics Circuits & Devices-I	3	1	2	28/70	15/30	12/25	13/25	150
5	CAI-405	Electronic Components & Materials	3	0	0	28/70	15/30			100
Total										700

FOURTH SEMESTER (FOOD PROCESSING TECHNOLOGY)

Sl. No.	Code No	Subject	Contact hours per week			Evaluation Scheme				Total Marks
						Theory		Practical		
			L	T	P	Exam	Sessional	Exam/Viva	Sess.	
1	BES-402	Strength of Materials	3	0	0	28/70	15/30			100
2	CAI-403	Instrumentation & Process Control	3	0	2	28/70	15/30	12/25	13/25	150
3	CAI-406	Computer Programming with C/C++	3	0	4	28/70	15/30	12/25	13/25	150
4	FPT-401	Elements of Food Engineering-II	3	0	2	28/70	15/30	12/25	13/25	150
5	FPT-402	Servicing & Maintenance of Food Machineries	2	0	0	28/70	15/30			100
6	FPT-403	Basics of Food Chemistry	3	0	2	28/70	15/30	12/25	13/25	150
Total									800	

FOURTH SEMESTER (CONSTRUCTION TECHNOLOGY)

Sl. No.	Code No	Subject	Contact hours per week			Evaluation Scheme				Total Marks
						Theory		Practical		
			L	T	P	Exam	Sessional	Exam/Viva	Sess.	
1	CT-401	Structural Analysis	4	1	0	28/70	15/30			100
2	CT-402	Water Supply & Sanitary Installation	4	0	0	28/70	15/30			100
3	CT-403	Fluid Mechanics	4	0	0	28/70	15/30			100
4	CT-404	Surveying-II	3	0	2	28/70	15/30	12/25	13/25	150
5	CT-405	Building Construction & Maintenance and Civil Engg. Drawing	4	0	4	28/70	15/30	25/50	25/50	200
6	CAI-406	Computer Programming with C/C++	3	0	4	28/70	15/50	12/25	13/25	150
Total									800	

FIFTH SEMESTER (ANIMATION AND MULTIMEDIA TECHNOLOGY)

Sl. No.	Code No	Subject	Contact hours per week			Evaluation Scheme				Total Marks
						Theory		Practical		
			L	T	P	Exam	Sessional	Exam/Viva	Sess.	
1	AMT-501	3D Animation	2	0	6	28/70	15/30	12/25	13/25	150
2	AMT-502	CG Lighting	2	0	6	28/70	15/30	12/25	13/25	150
3	AMT-503	Compositing	2	0	6	28/70	15/30	12/25	13/25	150
4	AMT-504	Visual Effects	2	0	6	28/70	15/30	12/25	13/25	150
5	AMT-505	Audio & Video Editing	2	0	6	28/70	15/30	12/25	13/25	150
6	AMT-599	Minor Project	0	0	6	-	-	25/50	25/50	100
Total									850	

FIFTH SEMESTER (CONTROL AND INSTRUMENTATION)

Sl. No.	Code No	Subject	Contact hours per week			Evaluation Scheme				Total Marks
						Theory		Practical		
			L	T	P	Exam	Sessional	Exam/Viva	Sess.	
1	CAI-501	Control Systems	3	1	2	28/70	15/30	12/25	13/25	150
2	CAI-502	Generation, Transmission & Distribution of Power	3	1	0	28/70	15/30			100
3	CAI-503	Principles of Instrumentation	3	0	2	28/70	15/30	12/25	13/25	150
4.	CAI-504	Power Electronics	3	0	2	28/70	15/30	12/25	13/25	150
5	CAI-505	Microprocessors & Applications	3	0	2	28/70	15/30	12/25	13/25	150
6	CAI-506	Electronics Circuits & Devices-II	3	1	2	28/70	15/30	12/25	13/25	150
Total									850	

FIFTH SEMESTER (FOOD PROCESSING TECHNOLOGY)

Sl. No.	Code No	Subject	Contact hours per week			Evaluation Scheme				Total Marks
						Theory		Practical		
			L	T	P	Exam	Sessional	Exam/Viva	Sess.	
1	FPT-501	Introduction to Food Microbiology, Biochemistry and Biotechnology	3	0	2	28/70	15/30	12/25	13/25	150
2	FPT-502	Food Engineering Operations – I	3	0	2	28/70	15/30	12/25	13/25	150
3	FPT-503	Food Product Technology – I	3	0	2	28/70	15/30	12/25	13/25	150
4	FPT-504	Food Storage and Packaging	3	0	2	28/70	15/30	12/25	13/25	150
5	FPT-505	Food Analysis for Quality Testing & Evaluation	3	0	2	28/70	15/30	12/25	13/25	150
6.	FPT-599	Industrial Training (Audit course)							25/50	50
Total									800	

FIFTH SEMESTER (CONSTRUCTION TECHNOLOGY)

Sl. No.	Code No	Subject	Contact hours per week			Evaluation Scheme				Total Marks
						Theory		Practical		
			L	T	P	Exam	Sessional	Exam/Viva	Sess.	
1	CT-501	Construction Technology	3	1	2	28/70	15/30	12/25	13/25	150
2	CT-502	Concrete Technology	3	1	2	28/70	15/30	12/25	13/25	150
3	CT-503	Geotechnical Engineering	4	0	2	28/70	15/30	12/25	13/25	150
4	CT-504	Design of RCC Structure	4	0	0	28/70	15/30			100
5	CT-505	Transportation Engineering	4	0	2	28/70	15/30	12/25	13/25	150
6.	CT-506	Environmental Engineering	3	0	0	28/70	15/30			100
Total									800	

SIXTH SEMESTER (ANIMATION AND MULTIMEDIA TECHNOLOGY)

Sl. No.	Code No	Subject	Contact hours per week			Evaluation Scheme				Total Marks
						Theory		Practical		
			L	T	P	Exam	Sessional	Exam/Viva	Sess.	
1	Hu-601	Industrial Management & Entrepreneurship	3	0	0	28/70	15/30			100
2	CAI-605	Computer Programming with C/C++	3	0	4	28/70	15/30	12/25	13/25	150
3	AMT-60__	Specialization-I (Any one from the following)	2	0	8	28/70	15/30	12/25	13/25	150
		AM-601: Modeling								
		AM-603: Rigging								
		AM-605: CG Lighting								
		AM-606: Visual Effects								
4	AM-60__	Specialization-II (Any one from the following)	2	0	8	28/70	15/30	12/25	13/25	150
		AM-602: Texturing								
		AM-604: 3D Animation								
		AM-607: Compositing								
5	AM-611	Seminar & Presentation on Specialization-I & II	-	-	-	-	-	25/50	25/50	100
6	AMT-699	Major Project, Seminar etc.	0	0	10			25/50	50/100	150
Total									800	

SIXTH SEMESTER (CONTROL AND INSTRUMENTATION)

Sl. No.	Code No	Subject	Contact hours per week			Evaluation Scheme				Total Marks
						Theory		Practical		
			L	T	P	Exam	Sessional	Exam/Viva	Sess.	
1	Hu-601	Industrial Management & Entrepreneurship	3	0	0	28/70	15/30			100
2	CAI-601	Biomedical Instrumentation	3	0	2	28/70	15/30	12/25	13/25	150
3	CAI-602	Transducers and Signal Conditioning	3	0	2	28/70	15/30	12/25	13/25	150
4.	CAI-603	Substation, Switchgear & Protection	3	0	0	28/70	15/30			100
5	CAI-61*	Elective (Any one from the following)								
	CAI-611	Telematics & Satellite Communication	3	1	0	28/70	15/30			100
	CAI-612	Industrial Instrumentation	3	1	0	28/70	15/30			100
6	CAI-699	Project, Seminar	0	0	10			25/50	50/100 25/50	200
									Total	800

SIXTH SEMESTER (FOOD PROCESSING TECHNOLOGY)

Sl. No.	Code No	Subject	Contact hours per week			Evaluation Scheme				Total Marks
						Theory		Practical		
			L	T	P	Exam	Sessional	Exam/Viva	Sess.	
1	Hu-601	Industrial Management & Entrepreneurship	3	0	0	28/70	15/30			100
2	FPT-601	Food Engineering Operations – II	3	0	2	28/70	15/30	12/25	13/25	150
3	FPT-602	Food Product Technology – II	4	0	2	28/70	15/30	12/25	13/25	150
4	FPT-603	Tea, Coffee and Cocoa Processing	3	0	2	28/70	15/30	12/25	13/25	150
5.	FPT-699	Project	0	0	10			25/50	50/100 25/50	200
6	FPT-61*	Elective (Any one from the following)	3	0	2	28/70	15/30	12/25	13/25	150
		FPT-611: Dairy Technology & Engineering								
		FPT-612: Fruits and Vegetables Processing								
		FPT-613: Cereals, Pulses and Oilseeds Processing								
		FPT-614: Fermented & Non-Fermented Beverages								
		FPT-615: Bakery & Confectionery Technology								
									Total	900

SIXTH SEMESTER (CONSTRUCTION TECHNOLOGY)

Sl. No.	Code No	Subject	Contact hours per week			Evaluation Scheme				Total Marks
			L	T	P	Theory		Practical		
						Exam	Sessional	Exam/Viva	Sess.	
1	Hu-601	Industrial Management & Entrepreneurship	3	0	0	28/70	15/30			100
2	CT-601	Estimation & Costing	4	0	2	28/70	15/30	12/25	13/25	150
3	CT-602	Design of Steel Structures	4	1	0	28/70	15/30			100
4	CT-603	Construction & Project Management	4	1	0	28/70	15/30			100
5	CT-699	Project	0	0	10			25/50	50/100 25/50	200
6	CT-61*	Elective (Any one from the following)	4	0	2	28/70	15/30	12/25	13/25	150
		CT-611: Construction Methods & Machinery								
		CT-612: Water Resource Engineering								
		CT-613: Computational Methods in Civil Engg.								
										800