Maulana Abul Kalam Azad University of Technology, West Bengal
(Formerly West Bengal University of Technology)
Syllabus for B. Sc. In Gaming & Mobile Application Development
(Effective for Academic Session 2019-2020)

COURSE STRUCTURE

1ST YEAR

Sl No	Code	Paper	Contact Periods per week			Total Contact Hours	Credits
			L	T	P		
SEMESTER I							
Theory							
1	BGD – 101	Introduction to Game Design and Production	1	1	1	3	3
2	BGD – 102	Game Production Basics	-	1	2	3	3
3	BGD – 103	2D Game Production Details	-	1	2	3	3
4	BGD – 104	2D Game Production Advanced	-	1	3	4	4
5	BGD – 105	Logic and Physics & Making UI & UX	-	1	3	4	4
6	BGD – 106	Introduction to C# code in game	-	1	2	3	3
Total						**20**	
SEMESTER II							
Theory							
1	BGD – 201	Making Game Codes	-	1	3	4	4
2	BGD – 202	Making FPS Game	-	1	2	3	3
3	BGD – 203	AI in Game	-	1	2	3	3
4	BGD – 204	Database in Game	-	1	2	3	3
5	BGD – 205	3D Character Development Introduction	-	1	2	3	3
6	BGD – 206	Internship & Lab Making Casual 2D Game	-	-	4	4	4
Total						**20**	

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2NDYEAR

Sl No	Code	Paper	Contact Periods per week			Total Contact Hours	Credits
			L	**T**	**P**		
SEMESTER III							
Theory							
1	BGD – 301	3D Character Development & Rigging	1	-	2	3	3
2	BGD – 302	3D Animation	1	1	1	3	3
3	BGD – 303	Defining Game with Animation	-	1	2	3	3
4	BGD – 304	Game Design	1	1	1	3	3
5	BGD – 305	Advanced AI, Sound and Physics in Game Design	1	1	1	3	3
6	BGD – 306	HTML 5 Game	1	1	1	3	3
7	BGD – 307	Internship & Lab Making	-	-	2	2	2
		Total	**20**				
SEMESTER IV							
Theory							
1	BGD – 401	Introduction to 3D Play Station Game Programming	-	2	1	3	3
2	BGD – 402	Networking in Game Development	-	2	1	3	3
3	BGD – 403	Introduction to RPG Game	-	1	2	3	3
4	BGD – 404	Introduction Helper Systems	-	2	1	3	3
5	BGD – 405	Hardware in Game Programming	-	2	1	3	3
6	BGD – 406	Project and Team in Game Development	-	2	1	3	3
7	BGD – 407	Internship & Lab Making	-	-	2	2	2
		Total	**20**				

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3RDYEAR

Sl No	Code	Paper	Contact Periods per week			Total Contact Hours	Credits
			L	T	P		
SEMESTER V							
Theory							
1	BGD – 501	Android Game Development	-	1	3	4	**4**
2	BGD – 502	iOS Game Development	-	2	3	5	**5**
3	BGD – 503	Apple Game Development Framework	-	2	2	4	**4**
4	BGD – 504	SDK	-	2	2	4	**4**
5	BGD – 505	Internship & Lab Making	-	-	3	3	**3**
		Total				**20**	
SEMESTER VI							
Theory							
1	BGD – 601	Introduction to VR	-	2	2	4	4
2	BGD – 602	Introduction to AR	-	2	1	3	3
3	BGD – 603	AR Game Development	-	1	3	4	4
4	BGD – 604	XR Game Development	1	1	3	5	5
5	BGD – 605	Business and Legal Issues for Video Game Developers	-	3	1	4	4
		Total				**20**	