

केन्द्रीय प्रौद्योगिकी संस्थान कोकराझार  
CENTRAL INSTITUTE OF TECHNOLOGY KOKRAJHAR

Deemed to be University, MHRD, Govt. of India

Kokrajhar, BTR, Assam 783370

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**Syllabus  
of MCD Diploma**

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**Diploma Programme in Animation and Multimedia  
Technology (AMT)**



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## **STUDY PLAN**

**Total Credit Requirements: 220**  
**Total Number of Semesters: 6**



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## 1<sup>st</sup> YEAR

Semester I					
Code	Name of Course	L	T	P	Credit
DHSS101	Communication Skills-I	3	0	0	6
DCH101	Chemistry-I (Theory)	2	1	0	6
DMA101	Mathematics-I	3	1	0	8
DAMT104	Fundamentals of Computer Application (Theory)	2	0	0	4
DAMT105	Foundation of Animation (Theory)	1	1	0	4
DPH101	Applied Physics-I (Theory)	2	1	0	6
DCH171	Chemistry-I (Practical)	0	0	2	2
DPH171	Applied Physics-I (Practical)	0	0	2	2
DAMT174	Fundamentals of Computer Application(Practical)	0	0	2	2
DAMT175	Foundation of Animation(Practical)	0	0	6	6
<b>Contact Hours: 29</b>					<b>46</b>

Semester II					
Code	Name of Course	L	T	P	Credit
DHSS201	Communication Skills-II	3	0	0	6
DAMT202	Art Fundamentals and Graphics Design (Theory)	2	0	0	4
DAMT203	Story boarding & Script writing (Theory)	1	0	0	2
DAMT205	Elements of Multimedia (Theory)	2	0	0	4
DAMT206	2D Animation Techniques (Theory)	1	0	0	2
DAMT272	Art Fundamentals and Graphics Design (Practical)	0	0	6	6
DAMT273	Story boarding & Script writing (Practical)	0	0	4	4
DAMT275	Elements of Multimedia (Practical)	0	0	2	2
DAMT276	2D Animation Techniques (Practical)	0	0	6	6
<b>Contact Hours: 27</b>					<b>36</b>

**Total Credits of 1<sup>st</sup> Year: 82**



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**2<sup>nd</sup> YEAR**

Semester III					
Code	Subject Name	L	T	P	Credits
DAMT302	Introduction to Digital Modeling (Theory)	1	0	0	2
DAMT303	Basic Concept of Texturing Techniques (Theory)	1	0	0	2
DAMT304	Web Designing (Theory)	1	0	0	2
DAMT305	Digital Photography and Film Making (Theory)	1	0	0	2
DAMT371	Concept Art (Practical)	0	0	6	6
DAMT372	Introduction to Digital Modeling (Practical)	0	0	6	6
DAMT373	Basic Concept of Texturing Techniques (Practical)	0	0	6	6
DAMT374	Web Designing (Practical)	0	0	4	4
DAMT375	Digital Photography and Film Making (Practical)	0	0	6	6
<b>Contact Hours: 32</b>		<b>4</b>	<b>0</b>	<b>28</b>	<b>36</b>

Semester IV					
Code	Subject Name	L	T	P	Credits
DAMT401	3D Animation (Theory)	1	0	0	2
DAMT402	Concept of Rigging (Theory)	1	0	0	2
DAI406	Computer Programming with C/C++ (CS)	3	0	0	6
DAMT404	Introduction to Multimedia Design (Theory)	2	0	0	4
DAMT471	3D Animation (Practical)	0	0	6	6
DAMT472	Concept of Rigging(Practical)	0	0	6	6
DAMT474	Introduction to Multimedia Design (Practical)	0	0	6	6
DAI476	Computer Programming with C/C++ (CS)	0	0	4	4
<b>Contact Hours: 29</b>		<b>7</b>	<b>0</b>	<b>22</b>	<b>36</b>

**Total Credits of 2<sup>nd</sup> Year: 72**



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**3<sup>rd</sup> YEAR**

Semester V					
Code	Subject Name	L	T	P	Credits
DAMT501	Lighting in Animation (Theory)	1	0	0	2
DAMT502	Compositing & Visual Effects (Theory)	1	0	0	2
DAMT503	Introduction to Gaming Theory (Theory)	2	1	0	6
DAMT504	Concept of New Media (Theory)	2	0	0	4
DAMT571	Lighting in Animation (Practical)	0	0	6	6
DAMT572	Compositing & Visual Effects (Practical)	0	0	6	6
DAMT595	Minor Project	0	0	10	10
<b>Contact Hours: 29</b>		<b>6</b>	<b>1</b>	<b>22</b>	<b>36</b>

Semester VI					
Code	Subject Name	L	T	P	Credits
DHSS601	Industrial Management and Entrepreneurship	3	1	0	8
DAMT602	Audio Video Editing (Theory)	1	1	0	4
DAMT672	Audio Video Editing (Practical)	0	0	6	6
DAMT695	Major Project	0	0	12	12
<b>Contact Hours: 24</b>		<b>4</b>	<b>2</b>	<b>18</b>	<b>30</b>

**Total Credits of 3<sup>rd</sup> Year: 66**