# केन्द्रीय प्रौद्योगिकी संस्थान कोकराझार

## CENTRAL INSTITUTE OF TECHNOLOGY KOKRAJHAR

Deemed to be University, MHRD, Govt. of India

Kokrajhar, BTR, Assam 783370

www.cit.ac.in



# Syllabus
# of MCD Diploma

_____

# Diploma Programme in Animation and Multi-media Technology (AMT)

केन्द्रीय प्रौद्योगिकी संस्थान कोकराझार
**CENTRAL INSTITUTE OF TECHNOLOGY KOKRAJHAR**
Deemed to be University, MHRD, Govt. of India
Kokrajhar, BTAD, Assam 783370

www.cit.ac.in

# STUDY PLAN

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

# 1st 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 |
| **Contact Hours: 29** | | | | | **46** |

| 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 |
| **Contact Hours: 27** | | | | | **36** |

**Total Credits of 1st Year: 82**

# 2nd 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 |
| **Contact Hours: 32** | | **4** | **0** | **28** | **36** |

| 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 |
| **Contact Hours: 29** | | **7** | **0** | **22** | **36** |

**Total Credits of 2nd Year: 72**

## 3rd 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 |
| **Contact Hours: 29** | | **6** | **1** | **22** | **36** |

| 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 |
| **Contact Hours: 24** | | **4** | **2** | **18** | **30** |

**Total Credits of 3rd Year: 66**