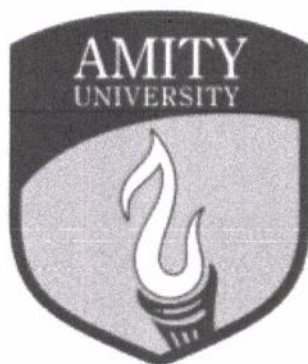


**Master of Technology
(CIVIL ENGINEERING)**

Programme Code: CEM

Duration - 2 years full Time



**Programme Structure
And
Curriculum & Scheme of Examination**

**AMITY UNIVERSITY
MADHYA PRADESH**

Manish Jaiswal
Amity University Madhya Pradesh

Tapsham
Registrar
Amity University Madhya Pradesh

PROGRAMME STRUCTURE
M.TECH (CIVIL ENGINEERING)

FIRST SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits	Page No
CEM 101	Numerical Analysis and Computer Programming	3	1	-	4	
CEM 102	Concrete Technology	3	1	-	4	
CEM 103	Advanced Structural Analysis	3	1	-	4	
ELECTIVES (Anyone from following)		3	1	-	4	
CEM 104	Structural Dynamics and Earthquake Resistant Building					
CEM 105	Bridge Engineering					
CEM 106	Advanced Elasticity and Plasticity					
CEM 120	Numerical Analysis Lab	-	-	4	2	
CEM 121	Concrete Lab	-	-	4	2	
CEM 122	Auto Cad Lab	-	-	4	2	
BCP 141	Advanced Communication - I	1	-	-	1	
BSP 143	Behavioral Science - I	1	-	-	1	
FLP 144	French- I	2	-	-	2	
MTP 130	Term Paper	-	-	-	3	
Total Credits					29	

W. K. Joglekar
Director-ASET
Amity University Madhya Pradesh Gwalior

Prakash Jain

THIRD SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits	Page No
CEM 301	Research Methodology	3	1	-	4	40
CEM 302	Advanced RCC Design	3	1	-	4	40
CEM 303	High Rise Buildings Analysis	3	1	-	4	40
ELECTIVES (Anyone from following)		3	1	-	4	40
CEM 304	Analysis of Plate and Shells					
CEM 305	Reliability Based Civil Engineering Design					
CEM 306	Evaluation and Retrofitting of Building					
CEM 320	Building Design Project Lab using Primavera	-	-	4	2	40
CEM 321	Advanced RCC Lab	-	-	4	2	40
CEM 322	Structural Material Testing Lab - II	-	-	4	2	40
BCP 341	Advanced Communication - III	1	-	-	1	10
BSP 343	Behavioral Science - III	1	-	-	1	10
FLP 344	French- III	2	-	-	2	20
MSP 350	Summer Internship Programme (Evaluation)	-	-	-	6	
MMP 360	Minor Project II	-	-	-	4	
Total Credits					36	

FOURTH SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits	Total Hours
MMP 460	Dissertation	-	-	-	30	300
Total					30	300

Umesh Jaiswal
 Director-ASET
 Amity University Madhya Pradesh Gwalior

Umesh Jaiswal
 Amity University Madhya Pradesh
 Gwalior

SECOND SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits	Page No
CEM 201	Optimization Techniques	3	1	-	4	
CEM 202	Advanced Foundation Engineering	3	1	-	4	
CEM 203	Finite Element Method	3	1	-	4	
ELECTIVES (Anyone from following)		3	1	-	4	
CEM 204	Advanced Steel Structure					
CEM 205	Design of Pre-Stressed Structures					
CEM 206	Experimental Stress Analysis					
CEM 220	Structural Engineering Lab	-	-	4	2	
CEM 221	Foundation / Soil Testing Lab	-	-	4	2	
CEM 222	Finite Element Method Lab	-	-	4	2	
BCP 241	Advanced Communication – II	1	-	-	1	
BSP 243	Behavioral Science – II	1	-	-	1	
FLP 244	French- II	2	-	-	2	
MMP 260	Minor Project I	-	-	-	4	
Total Credits					30	
SUMMER PROJECT: 08 WEEKS						

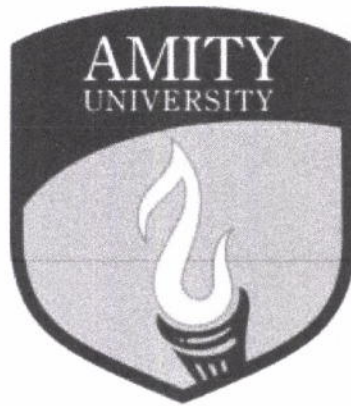

 Director ASET
 Amity University Madhya Pradesh Gwalior


 Registrar
 Amity University Madhya Pradesh
 Gwalior

**Bachelor of Technology
(Computer Science & Engineering)**

Programme Code: CSE

Duration – 4 Years Full Time



**Programme Structure
&
Curriculum & Scheme of Examination**

**AMITY UNIVERSITY
MADHYA PRADESH**

Director-ASET
Amity University Madhya Pradesh Gwalior

Director
Amity University Madhya Pradesh
Gwalior

PROGRAMME STRUCTURE

FIRST SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
MAT 101	Applied Mathematics – I (Calculus and Linear Algebra)	3	1	-	4	
CHE 101	Applied Chemistry	3	1	-	4	
CSE 104	Programming for Problem Solving	3	-	-	3	
BME 101	Engineering Graphics & Design	1	-	-	1	
CIV 101	Basic Civil Engineering & Applied Mechanics	2	-	-	2	
CHE 121	Applied Chemistry Lab	-	-	2	1	
CSE 124	Programming for Problem Solving Lab	-	-	4	2	
BME 121	Engineering Graphics & Design Lab	-	-	4	2	
BCU 141	Communication Skills –I	1	-	-	1	
EVS 142	Environmental Studies – I	2	-	-	2	
BSU 143	Behavioural Science – I	1	-	-	1	
	Foreign Language – I					
FLU 144	French – I	2	-	-	2	
FLU 145	German					
FLU 146	Spanish					
FLU 147	Japanese					
FLU 148	Chinese					
TOTAL					25	

Vivek Jaiswal
 Director-ASET
 Amity University Madhya Pradesh Gwalior

Ajshani
 Registrar
 Amity University Madhya Pradesh
 Gwalior

SECOND SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
MAT 201	Applied Mathematics – II (Ordinary & Partial Differential Equations and Transform)	3	1	-	4	
PHY 101	Applied Physics – I	3	1	-	4	
ECE 101	Basic Electrical Engineering	3	-	-	3	
CSE 204	Object Oriented Programming Using C++	2	1	-	3	
BME 102	Workshop / Manufacturing Practices	1	-	-	1	
PHY 121	Applied Physics Lab – I	-	-	2	1	
ECE 121	Basic Electrical Engineering Lab	-	-	2	1	
CSE 224	Object Oriented Programming Using C++ Lab	-	-	2	1	
BME 122	Workshop / Manufacturing Practices Lab	-	-	4	2	
BCU 241	Communication Skills – II	1	-	-	1	
EVS 242	Environmental Studies – II	2	-	-	2	
BSU 243	Behavioural Science – II	1	-	-	1	
FLU 244 FLU 245 FLU 246 FLU 247 FLU 248	Foreign Language - II French - II German Spanish Japanese Chinese	2	-	-	2	
TOTAL					27	

Umesh Tripathi
 Director-ASET
 Amity University Madhya Pradesh Gwalior

Opshani
 Registrar
 Amity University Madhya Pradesh
 Gwalior

THIRD SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
MAT 301	Applied Mathematics – III (Probability, Statistics and Numerical Methods)	3	-	-	3	
CSE 202	Data Structures Through C++	3	-	-	3	
CSE 302	Python Programming	2	1	-	3	
CSE 304	Database Management Systems	3	-	-	3	
ECE 306	Digital Electronics and Logic Design	3	-	-	3	
CSE 222	Data Structures through C++ Lab	-	-	2	1	
CSE 322	Python Programming Lab	-	-	2	1	
CSE 324	Database Management Systems Lab	-	-	2	1	
ECE 326	Digital Electronics and Logic Design Lab	-	-	2	1	
BCU 341	Communication Skills – III	1	-	-	1	
BSU 343	Behavioural Science – III	1	-	-	1	
FLU 344 FLU 345 FLU 346 FLU 347 FLU 348	Foreign Language - III French – III German Spanish Japanese Chinese	2	-	-	2	
NTP 330	Term Paper (Evaluation)	-	-	-	2	
TOTAL					25	

Vivek Singh
Director-ASET
Amity University Madhya Pradesh Gwalior

Dr. J. K. Singh
Registrar
Amity University Madhya Pradesh
Gwalior

FOURTH SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
CSE 401	Discrete Mathematics	4	-	-	4	
CSE 402	Computer Organization and Architecture	3	-	-	3	
ECE 406	Analog Electronic Circuits	3	-	-	3	
CSE 403	Java Programming	3	-	-	3	
CSE 404	Operating Systems	2	1	-	3	
ECE 426	Analog Electronic Circuits Lab	-	-	2	1	
CSE 423	Java Programming Lab	-	-	4	2	
CSE 424	Operating Systems Lab	-	-	2	1	
BCU 441	Communication Skills – IV	1	-	-	1	
BSU 443	Behavioral Science – IV	1	-	-	1	
FLU 444 FLU 445 FLU 446 FLU 447 FLU 448	Foreign Language - IV French - IV German Spanish Japanese Chinese	2	-	-	2	
TOTAL					24	

INDUSTRIAL PRACTICAL TRAINING – I : 6 – 8 WEEKS

Vineet Joglekar
 Director-ASET
 Amity University Madhya Pradesh Gwalior

Prishu Kumar
 Registrar
 Amity University Madhya Pradesh
 Gwalior

FIFTH SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No
CSE 303	Design and Analysis of Algorithms	4	-	-	4	
CSE 501	Theory of Computation	3	1	-	4	
CSE 503	Introduction to Android Application Development	2	1	-	3	
CSE 504	Advanced Java Programming	2	1	-	3	
CSE 505	Introduction to Web Technologies	3	-	-	3	
CSE 323	Design and Analysis of Algorithms Lab	-	-	2	1	
CSE 523	Introduction to Android Application Development Lab	-	-	2	1	
CSE 524	Advanced Java Programming Lab	-	-	2	1	
CSE 525	Web Technologies Lab	-	-	2	1	
BCU 541	Communication Skills – V	1	-	-	1	
BSU 543	Behavioural Science – V	1	-	-	1	
FLU 544 FLU 545 FLU 546 FLU 547 FLU 548	Foreign Language - V French - V German Spanish Japanese Chinese	2	-	-	2	
NPT 550	Industrial Practical Training - I (Evaluation)	-	-	-	3	
TOTAL					28	

Vivek Jyoti
Director-ASET
Amity University Madhya Pradesh Gwalior

Apshani
Registrar
Amity University Madhya Pradesh
Gwalior

SIXTH SEMESTER						Annexure 2
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
CSE 601	Data Communication and Computer Networks	2	1	-	3	
CSE 602	Quantitative Aptitude	3	-	-	3	
CSE 603	Internet of Things (IoT)	2	-	-	2	
CSE 604	Problem Solving Techniques	2	1	-	3	
CSE 623	Internet of Things (IoT) Lab	-	-	4	2	
CSE 624	Problem Solving Techniques Lab	-	-	4	2	
CSE 605 CSE 606 CSE 607	ELECTIVES (Anyone from following with Practical) Software Engineering Object Oriented Analysis and Design Soft Computing				3	
CSE 625 CSE 626 CSE 627	Software Engineering Lab Object Oriented Analysis and Design Lab Soft Computing Lab				2	
BCU 641	Communication Skills – VI	1	-	-	1	
BSU 643	Behavioural Science – VI	1	-	-	1	
FLU 644 FLU 645 FLU 646 FLU 647 FLU 648	Foreign Language -VI French - VI German Spanish Japanese Chinese	2	-	-	2	
NMP 660	Minor Project	-	-	-	2	
TOTAL					25	

INDUSTRIAL PRACTICAL TRAINING –II: 6 – 8 WEEKS

Umesh Jeylani
Director-ASET
Amity University Madhya Pradesh Gwalior

Dr. J. K. Singh
Amity University Madhya Pradesh
Gwalior

SEVENTH SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
CSE 701	Cloud Computing	3	-	-	3	
CSE 702	Artificial Intelligence	3	-	-	3	
CSE 703	Advanced Problem Solving Techniques	2	-	-	2	
CSE 721	Cloud Computing Lab	-	-	2	1	
CSE 722	Artificial Intelligence Lab	-	-	2	1	
CSE 723	Advanced Problem Solving Techniques Lab	-	-	4	2	
CSE 704 CSE 705 CSE 706	ELECTIVES (Any one from each category) A (With Practical) Data Analytics Distributed Operating System Simulation and Modeling				3	
CSE 724 CSE 725 CSE 726	Data Analytics Lab Distributed Operating System Lab Simulation and Modeling Lab				2	
CSE 707 CSE 708 CSE 709	ELECTIVES (Any one from each category) B (Without Practical) Mobile Computing Compiler Construction Grid Computing				3	
NPT 750	Industrial Practical Training – II (Evaluation)	-	-	-	5	
NMP 760	Major Project – I	-	-	-	6	
TOTAL CREDITS					31	

Umesh Jaglan
Director-ASET
Amity University Madhya Pradesh Gwalior

Apshani
Registrar
Amity University Madhya Pradesh
Gwalior

EIGHTH SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
CSE 801	Digital Image Processing	3	-	-	3	
CSE 802	Software Testing & Quality Assurance	3	-	-	3	
CSE 803	Cryptography & Network Security	3	-	-	3	
CSE 821	Digital Image Processing Lab	-	-	2	1	
CSE 822	Software Testing & Quality Assurance Lab	-	-	2	1	
CSE 804 CSE 805 CSE 806	ELECTIVES (Anyone from following with Practical) ASP.NET Big Data and Business Analytics Data Mining and Data Warehousing				3	
CSE 824 CSE 825 CSE 826	ASP.NET Lab Big Data and Business Analytics Lab Data Mining and Data Warehousing Lab				2	
NMP 860	Major Project – II	-	-	-	9	
TOTAL CREDITS					24	

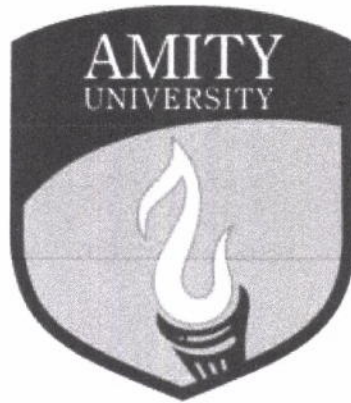
Umesh Joglekar
Director-ASET
Amity University Madhya Pradesh Gwalior

Dipika
Registrar
Amity University Madhya Pradesh
Gwalior

**Bachelor of Technology
(Information Technology)**

Programme Code: IT

Duration – 4 Years Full Time



**Programme Structure
&
Curriculum & Scheme of Examination**

**AMITY UNIVERSITY
MADHYA PRADESH**

Wish Jaiswal
Director, ASET
Amity University Madhya Pradesh Gwalior

Apshini
Registrar
Amity University Madhya Pradesh
Gwalior

PROGRAMME STRUCTURE

FIRST SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
MAT 101	Applied Mathematics – I (Calculus and Linear Algebra)	3	1	-	4	
CHE 101	Applied Chemistry	3	1	-	4	
CSE 104	Programming for Problem Solving	3	-	-	3	
BME 101	Engineering Graphics & Design	1	-	-	1	
CIV 101	Basic Civil Engineering & Applied Mechanics	2	-	-	2	
CHE 121	Applied Chemistry Lab	-	-	2	1	
CSE 124	Programming for Problem Solving Lab	-	-	4	2	
BME 121	Engineering Graphics & Design Lab	-	-	4	2	
BCU 141	Communication Skills –I	1	-	-	1	
EVS 142	Environmental Studies – I	2	-	-	2	
BSU 143	Behavioural Science – I	1	-	-	1	
	Foreign Language – I					
FLU 144	French – I	2	-	-	2	
FLU 145	German					
FLU 146	Spanish					
FLU 147	Japanese					
FLU 148	Chinese					
TOTAL					25	

W. K. Jaiswal
 Director-ASET
 Amity University Madhya Pradesh Gwalior

Aishwariya
 Registrar
 Amity University Madhya Pradesh
 Gwalior

SECOND SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
MAT 201	Applied Mathematics – II (Ordinary & Partial Differential Equations and Transform)	3	1	-	4	
PHY 101	Applied Physics – I	3	1	-	4	
ECE 101	Basic Electrical Engineering	3	-	-	3	
CSE 204	Object Oriented Programming Using C++	2	1	-	3	
BME 102	Workshop / Manufacturing Practices	1	-	-	1	
PHY 121	Applied Physics Lab – I	-	-	2	1	
ECE 121	Basic Electrical Engineering Lab	-	-	2	1	
CSE 224	Object Oriented Programming Using C++ Lab	-	-	2	1	
BME 122	Workshop / Manufacturing Practices Lab	-	-	4	2	
BCU 241	Communication Skills – II	1	-	-	1	
EVS 242	Environmental Studies – II	2	-	-	2	
BSU 243	Behavioural Science – II	1	-	-	1	
FLU 244 FLU 245 FLU 246 FLU 247 FLU 248	Foreign Language - II French - II German Spanish Japanese Chinese	2	-	-	2	
TOTAL					24	

TERM PAPER DURING SUMMER BREAK

Vivek Janglay
Director-ASET
Amity University Madhya Pradesh Gwalior

Abhishek
Amity University Madhya Pradesh
Gwalior

THIRD SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
MAT 301	Applied Mathematics – III (Probability, Statistics and Numerical Methods)	3	-	-	3	
CSE 202	Data Structures Through C++	3	-	-	3	
CSE 302	Python Programming	2	1	-	3	
CSE 304	Database Management Systems	3	-	-	3	
ECE 306	Digital Electronics and Logic Design	3	-	-	3	
CSE 222	Data Structures through C++ Lab	-	-	2	1	
CSE 322	Python Programming Lab	-	-	2	1	
CSE 324	Database Management Systems Lab	-	-	2	1	
ECE 326	Digital Electronics and Logic Design Lab	-	-	2	1	
BCU 341	Communication Skills – III	1	-	-	1	
BSU 343	Behavioural Science – III	1	-	-	1	
FLU 344 FLU 345 FLU 346 FLU 347 FLU 348	Foreign Language - III French – III German Spanish Japanese Chinese	2	-	-	2	
NTP 330	Term Paper (Evaluation)	-	-	-	2	
TOTAL					25	

Vivek Jaiswal
Director - ASET
Amity University Madhya Pradesh Gwalior

Prabhakar
Registrar
Amity University Madhya Pradesh
Gwalior

FOURTH SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
CSE 401	Discrete Mathematics	4	-	-	4	
CSE 402	Computer Organization and Architecture	3	-	-	3	
IT 401	Formal Languages and Automata Theory	4	-	-	4	
CSE 403	Java Programming	3	-	-	3	
CSE 404	Operating Systems	2	1	-	3	
CSE 423	Java Programming Lab	-	-	4	2	
CSE 424	Operating Systems Lab	-	-	2	1	
BCU 441	Communication Skills – IV	1	-	-	1	
BSU 443	Behavioral Science – IV	1	-	-	1	
FLU 444 FLU 445 FLU 446 FLU 447 FLU 448	Foreign Language - IV French - IV German Spanish Japanese Chinese	2	-	-	2	
TOTAL					24	

INDUSTRIAL PRACTICAL TRAINING – I : 6 – 8 WEEKS

Vivek Janglan
Director-ASET
Amity University Madhya Pradesh Gwalior

Gyishan
Registrar
Amity University Madhya Pradesh
Gwalior

FIFTH SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
CSE 303	Design and Analysis of Algorithms	4	-	-	4	
IT 501	Introduction to Blockchain Technology	3	-	-	3	
CSE 503	Introduction to Android Application Development	2	1	-	3	
CSE 504	Advanced Java Programming	2	1	-	3	
CSE 505	Introduction to Web Technologies	3	-	-	3	
CSE 323	Design and Analysis of Algorithms Lab	-	-	2	1	
CSE 523	Introduction to Android Application Development Lab	-	-	2	1	
CSE 524	Advanced Java Programming Lab	-	-	2	1	
CSE 525	Web Technologies Lab	-	-	2	1	
BCU 541	Communication Skills – V	1	-	-	1	
BSU 543	Behavioural Science – V	1	-	-	1	
FLU 544 FLU 545 FLU 546 FLU 547 FLU 548	Foreign Language - V French - V German Spanish Japanese Chinese	2	-	-	2	
NPT 550	Industrial Practical Training - I (Evaluation)	-	-	-	3	
TOTAL					27	

Mukul Jaiswal
Director-ASET
Amity University Madhya Pradesh Gwalior

Chhikara
Registrar
Amity University Madhya Pradesh
Gwalior

SIXTH SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
IT 601	Computer Networks	2	1	-	3	
CSE 602	Quantitative Aptitude	3	-	-	3	
CSE 603	Internet of Things (IoT)	2	-	-	2	
CSE 604	Problem Solving Techniques	2	1	-	3	
CSE 623	Internet of Things (IoT) Lab	-	-	4	2	
CSE 624	Problem Solving Techniques Lab	-	-	4	2	
CSE 605 CSE 606 CSE 607	ELECTIVES (Anyone from following with Practical) Software Engineering Object Oriented Analysis and Design Soft Computing				3	
CSE 625 CSE 626 CSE 627	Software Engineering Lab Object Oriented Analysis and Design Lab Soft Computing Lab				2	
BCU 641	Communication Skills – VI	1	-	-	1	
BSU 643	Behavioural Science – VI	1	-	-	1	
FLU 644 FLU 645 FLU 646 FLU 647 FLU 648	Foreign Language -VI French - VI German Spanish Japanese Chinese	2	-	-	2	
NMP 660	Minor Project	-	-	-	2	
TOTAL					25	

INDUSTRIAL PRACTICAL TRAINING –II: 6 – 8 WEEKS

Umesh Jaiswal
Director-ASET
Amity University Madhya Pradesh Gwalior

Umesh Jaiswal
Amity University Madhya Pradesh
Gwalior

SEVENTH SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
IT 701	Information Storage and Retrieval	3	-	-	3	
IT 702	Cloud Computing and Virtualization	3	-	-	3	
CSE 703	Advanced Problem Solving Techniques	2	-	-	2	
IT 722	Cloud Computing and Virtualization Lab	-	-	2	1	
CSE 723	Advanced Problem Solving Techniques Lab	-	-	4	2	
CSE 704 CSE 706 IT 706	ELECTIVES (Anyone from each category) A (With Practical) Data Analytics Simulation and Modeling Parallel Computing				3	
CSE 724 CSE 726 IT 726	Data Analytics Lab Simulation and Modeling Lab Parallel Computing Lab				2	
CSE 708 CSE 702 IT 707	ELECTIVES (Any one from each category)B (Without Practical) Compiler Construction Artificial Intelligence Semantic Web and Knowledge Management				3	
NPT 750	Industrial Practical Training – II (Evaluation)	-	-	-	5	
NMP 760	Major Project – I	-	-	-	6	
TOTAL					29	

Umesh Janglan
Director-ASET
Amity University Madhya Pradesh Gwalior

Dipshikha
Amity University Madhya Pradesh
Gwalior

EIGHTH SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
IT 801	Machine Learning Techniques	3	-	-	3	
CSE 802	Software Testing & Quality Assurance	3	-	-	3	
IT 803	Cyber Security and Digital Forensics	3	-	-	3	
IT 821	Machine Learning Techniques Lab	-	-	2	1	
CSE 822	Software Testing & Quality Assurance Lab	-	-	2	1	
IT 802 CSE 805 CSE 806	ELECTIVES (Anyone from following with Practical) Neural Networks and Fuzzy Logic Big Data and Business Analytics Data Mining and Data Warehousing				3	
IT 822 CSE 825 CSE 826	Neural Networks and Fuzzy Logic Lab Big Data and Business Analytics Lab Data Mining and Data Warehousing Lab				2	
NMP 860	Major Project – II	-	-	-	9	
TOTAL CREDITS					24	

Wish Jyoti
Director-ASET
Amity University Madhya Pradesh Gwalior

Ajith Kumar
Amity University Madhya Pradesh
Gwalior



AMITY UNIVERSITY
MADHYA PRADESH

Bachelor of Computer Application

Programme Code: BCA

Duration – 3 Years Full Time

**Programme Structure
And
Curriculum & Scheme of Examination**

AMITY UNIVERSITY
MADHYA PRADESH

Vivek Jangam
DIRECTOR-ASET
Amity University Madhya Pradesh Gwalior

Apsham
Amity University Madhya Pradesh
Gwalior

PROGRAMME STRUCTURE

FIRST SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
BCA 101	Computer Fundamentals and Office Automation	3	-	-	3	
CSE 104	Programming for Problem Solving	3	-	-	3	
MAT 102	Mathematics – I	3	1	-	4	
ECE 106	Digital Electronics	2	1	-	3	
BCH 110	Principles of Management	2	1	-	3	
BCA 121	Office Automation Lab	-	-	2	1	
CSE 124	Programming for Problem Solving Lab	-	-	4	2	
ECE 126	Digital Electronics Lab	-	-	2	1	
BCU 141	Communication Skills – I	1	-	-	1	
EVS 142	Environmental Studies – I	2	-	-	2	
BSU 143	Behavioural Science – I	1	-	-	1	
FLU 144 FLU 145 FLU 146 FLU 147 FLU 148	Foreign Language - I French - I German Spanish Japanese Chinese	2	-	-	2	
	TOTAL				26	

Vivek Joglekar
Director-ASET
Amity University Madhya Pradesh Gwalior

Opshami
Registrar
Amity University Madhya Pradesh
Gwalior

SECOND SEMESTER

MAT 203	Mathematical Foundations for Computer Science	3	1	-	4	
CSE 204	Object Oriented Programming Using C++	2	1	-	3	
BCA 201	Computer Organization	2	1	-	3	
BME 103	Production & Operations Management	2	1	-	3	
BCA 202	Web Design & Development	3	-	-	3	
CSE 224	Object Oriented Programming Using C++ Lab	-	-	2	1	
BCA 222	Web Design & Development Lab	-	-	2	1	
BCU 241	Communication Skills – II	1	-	-	1	
EVS 242	Environmental Studies – II	2	-	-	2	
BSU 243	Behavioural Science – II	1	-	-	1	
FLU 244 FLU 245 FLU 246 FLU 247 FLU 248	Foreign Language - II French - II German Spanish Japanese Chinese	2	-	-	2	
	TOTAL				24	
SUMMER PROJECT – I						


 Director-ASET
 Amity University Madhya Pradesh Gwalior


 Registrar
 Amity University Madhya Pradesh
 Gwalior

THIRD SEMESTER

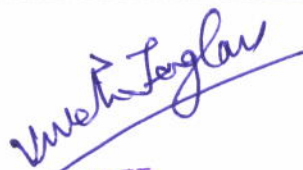
MAT 302	Mathematics-III (Computer Oriented Statistical & Optimization Methods)	3	1	-	4	
CSE 202	Data Structures through C++	3	-	-	3	
CSE 304	Database Management Systems	3	-	-	3	
CSE 302	Python Programming	2	1	-	3	
BCA 301	Introduction to Operating Systems	3	-	-	3	
CSE 222	Data Structures through C++ Lab	-	-	2	1	
CSE 324	Database Management Systems Lab			2	1	
CSE 322	Python Programming Lab	-	-	2	1	
BCU 341	Communication Skills –III	1	-	-	1	
BSU 343	Behavioural Science – III	1	-	-	1	
FLU 344 FLU 345 FLU 346 FLU 347 FLU 348	Foreign Language - III French - III German Spanish Japanese Chinese	2	-	-	2	
NPT 360	Summer Project – I (Evaluation)	-	-	-	3	
	TOTAL				26	

Umesh Janglan
 Director-ASET
 Amity University Madhya Pradesh Gwalior

Aishwari
 Registrar
 Amity University Madhya Pradesh
 Gwalior

FOURTH SEMESTER

MAT 401	Mathematics-IV (Computer Oriented Numerical Methods)	3	1	-	4	
BCA 401	Computer Networks	2	1	-	3	
CSE 403	Java Programming	2	1	-	3	
BCA 402	Quantitative Techniques	3	-	-	3	
BCA 403	Programming Techniques for Problem Solving	2	1	-	3	
BCA 423	Programming Techniques for Problem Solving Lab	-	-	4	2	
CSE 423	Java Programming Lab	-	-	4	2	
BCU 441	Communication Skills – IV	1	-	-	1	
BSU 443	Behavioural Science – IV	1	-	-	1	
FLU 444 FLU 445 FLU 446 FLU 447 FLU 448	Foreign Language - IV French - IV German Spanish Japanese Chinese	2	-	-	2	
	TOTAL				24	
SUMMER PROJECT – II						


 Director-ASET
 Amity University Madhya Pradesh Gwalior


 Amity University Madhya Pradesh
 Gwalior

FIFTH SEMESTER

CSE 303	Design and Analysis of Algorithms	4	-	-	4	
BCA 501	Internet of Things and Applications	2	-	-	2	
BCA 502	Android Application Development	2	-	-	2	
CSE 323	Design and Analysis of Algorithms Lab	-	-	2	1	
BCA 521	Internet of Things and Applications Lab	-	-	4	2	
BCA 522	Android Application Development Lab	-	-	4	2	
BCU 541	Communication Skills – V	1	-	-	1	
BSU 543	Behavioural Science – V	1	-	-	1	
FLU 544 FLU 545 FLU 546 FLU 547 FLU 548	Foreign Language - V French - V German Spanish Japanese Chinese	2	-	-	2	
NPT 560	Summer Project – II (Evaluation)	-	-	-	6	-
NMP 561	Minor Project	-	-	-	2	-
	TOTAL				25	

Umesh Logani
Director-ASET
Amity University Madhya Pradesh Gwalior

Umesh Logani
Amity University Madhya Pradesh
Gwalior

SIXTH SEMESTER

BCA 602	Artificial Intelligence and its Applications	3	-	-	3	
BCA 603	Data Warehousing and Mining	3	-	-	3	
CSE 605	Software Engineering	2	1	-	3	
BCA 622	Artificial Intelligence and its Applications Lab	-	-	2	1	
BCA 623	Data Warehousing and Mining Lab	-	-	2	1	
CSE 625	Software Engineering Lab	-	-	2	1	
BCU 641	Communication Skills – VI	1	-	-	1	
BSU 643	Behavioural Science – VI	1	-	-	1	
FLU 644 FLU 645 FLU 646 FLU 647 FLU 648	Foreign Language - VI French - VI German Spanish Japanese Chinese	2	-	-	2	
NMP 661	Major Project	-	-	-	9	-
	TOTAL				25	

Munish Joglekar
 Director ASET
 Amity University Madhya Pradesh Gwalior

Ajshanti
 Director
 Amity University Madhya Pradesh
 Gwalior



AMITY UNIVERSITY

MADHYA PRADESH

Bachelor of Science

Programme Code: B.Sc.(IT)

Duration – 3 Years Full Time

Programme Structure

And

Curriculum & Scheme of Examination

AMITY UNIVERSITY
MADHYA PRADESH

Wajahat Janglani
Director-ASET
Amity University Madhya Pradesh Gwalior

10/11/2011
Registrar
Amity University Madhya Pradesh
Gwalior

PROGRAMME STRUCTURE

FIRST SEMESTER

Course Code	Course Title	Lectures (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits	Page No.
BSC 101	Fundamentals of Information Technology	2	-	-	2	
BCA 101	Computer Fundamentals and Office Automation	3	-	-	3	
CSE 104	Programming for Problem Solving	3	-	-	3	
ECE 106	Digital Electronics	2	1	-	3	
BCA 121	Office Automation Lab	-	-	2	1	
CSE 124	Programming for Problem Solving Lab	-	-	4	2	
ECE 126	Digital Electronics Lab	-	-	2	1	
BCU 141	Communication Skills – I	1	-	-	1	
EVS 142	Environmental Studies – I	2	-	-	2	
BSU 143	Behavioural Science – I	1	-	-	1	
FLU 144	Foreign Language - I	2	-	-	2	
FLU 145	French - I					
FLU 146	German					
FLU 147	Spanish					
FLU 148	Japanese					
	Chinese					
	TOTAL				21	

SECOND SEMESTER

BSC 201	Networking and Internet Environment	2	-	-	2	
MAT 203	Mathematical Foundations for Computer Science	3	1	-	4	
CSE 204	Object Oriented Programming Using C++	2	1	-	3	
BCA 201	Computer Organization	2	1	-	3	
BCA 202	Web Design & Development	3	-	-	3	
CSE 224	Object Oriented Programming Using C++ Lab	-	-	2	1	
BCA 222	Web Design & Development Lab	-	-	2	1	
BCU 241	Communication Skills – II	1	-	-	1	
EVS 242	Environmental Studies – II	2	-	-	2	
BSU 243	Behavioural Science – II	1	-	-	1	
BSC 201	Networking and Internet Environment	2	-	-	2	
FLU 244	Foreign Language - II	2	-	-	2	
FLU 245	French - II					
FLU 246	German					
FLU 247	Spanish					
FLU 248	Japanese					
	Chinese					
	TOTAL				25	

Mukesh Jaiswal
 Director-ASET
 Amity University Madhya Pradesh Gwalior

Opshani
 Registrar
 Amity University Madhya Pradesh
 Gwalior

THIRD SEMESTER

BSC 301	Open Source Technologies (PHP, Mysql)	2	-	-	2	
CSE 202	Data Structures through C++	3	-	-	3	
CSE 304	Database Management Systems	3	-	-	3	
BCA 301	Introduction to Operating Systems	3	-	-	3	
BSC 321	Open Source Technologies (PHP, Mysql) Lab	-	-	2	1	
CSE 222	Data Structures through C++ Lab	-	-	2	1	
CSE 324	Database Management Systems Lab	-	-	2	1	
BCU 341	Communication Skills –III	1	-	-	1	
BSU 343	Behavioural Science – III	1	-	-	1	
FLU 344	Foreign Language - III	2	-	-	2	
FLU 345	French - III					
FLU 346	German					
FLU 347	Spanish					
FLU 348	Japanese					
FLU 348	Chinese					
NPT 360	Summer Project – I (Evaluation)	-	-	-	3	
	TOTAL				21	

SUMMER PROJECT I – (6 - 8 WEEKS)

FOURTH SEMESTER

BSC 401	System Analysis and Design	3	-	-	3	
MAT 401	Mathematics-IV (Computer Oriented Numerical Methods)	3	1	-	4	
CSE 403	Java Programming	2	1	-	3	
BCA 403	Programming Techniques for Problem Solving	2	1	-	3	
BCA 423	Programming Techniques for Problem Solving Lab	-	-	4	2	
CSE 423	Java Programming Lab	-	-	4	2	
BCU 441	Communication Skills – IV	1	-	-	1	
BSU 443	Behavioural Science – IV	1	-	-	1	
FLU 444	Foreign Language - IV	2	-	-	2	
FLU 445	French - IV					
FLU 446	German					
FLU 447	Spanish					
FLU 448	Japanese					
FLU 448	Chinese					
	TOTAL				21	

Unesh Jaiswal
 Director-ASET
 Amity University Madhya Pradesh Gwalior

Ujjwal
 Amity University Madhya Pradesh
 Gwalior

FIFTH SEMESTER

BSC 501	Networks Management & Information Security	2		-	2	
CSE 303	Design and Analysis of Algorithms	4	-	-	4	
BCA 501	Internet of Things and Applications	2	-	-	2	
CSE 323	Design and Analysis of Algorithms Lab	-	-	2	1	
BCA 521	Internet of Things and Applications Lab	-	-	4	2	
BCU 541	Communication Skills – V	1	-	-	1	
BSU 543	Behavioural Science – V	1	-	-	1	
	Foreign Language - V	2	-	-	2	
FLU 544	French - V					
FLU 545	German					
FLU 546	Spanish					
FLU 547	Japanese					
FLU 548	Chinese					
NPT 560	Summer Project – II (Evaluation)	-	-	-	6	
NMP 561	Minor Project	-	-	-	2	
	TOTAL				23	

SUMMER PROJECT - II – (6 - 8 WEEKS)**SIXTH SEMESTER**

BSC 601	Application Development using Python Programming	2	-	-	2	
BSC 602	Information Technology and E-Commerce	2		-	2	
BCA 602	Artificial Intelligence and its Applications	3	-	-	3	
BSC 621	Application Development using Python programming Lab	-	-	4	2	
BCA 622	Artificial Intelligence and its Applications Lab	-	-	2	1	
BCU 641	Communication Skills – VI	1	-	-	1	
BSU 643	Behavioural Science – VI	1	-	-	1	
	Foreign Language -VI	2	-	-	2	
FLU 644	French - VI					
FLU 645	German					
FLU 646	Spanish					
FLU 647	Japanese					
FLU 648	Chinese					
NMP 661	Major Project	-	-	-	9	
	TOTAL				23	

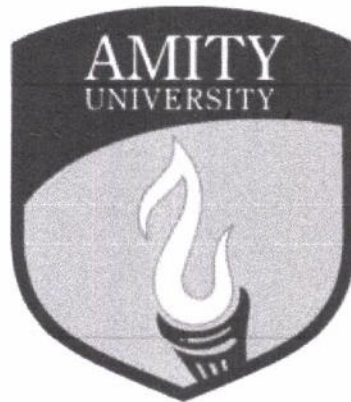
Wasek Jagan

Opshani
 Registrar
 Anand University Madhya Pradesh
 Gwalior

**Master of Technology
(Computer Science & Engineering)**

Programme Code: CSM

Duration – 2 Years Full Time



**Programme Structure
&
Curriculum & Scheme of Examination**

**AMITY UNIVERSITY
MADHYA PRADESH**

Dishant
Rector
Amity University Madhya Pradesh
Gwalior

Umesh Jaiswal
Director
Amity University Madhya Pradesh Gwalior

PROGRAMME STRUCTURE

FIRST SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page no.
CSM 101	Advanced Data Structures and Algorithm Design	3	1	-	4	
CSM 102	Advanced Database Management System	2	1	-	3	
CSM 103	Artificial Intelligence & Machine Learning	2	1	-	3	
CSM 104	Discrete Mathematical Structures	4	-	-	4	
CSM 121	Advanced Data Structures and Algorithm Design Lab	-	-	2	1	
CSM 122	Advanced Database Management System Lab	-	-	2	1	
CSM 123	Artificial Intelligence & Machine Learning Lab	-	-	2	1	
BCP 141	Advanced Communication – I	1	-	-	1	
BSP 143	Behavioural Science – I	1	-	-	1	
MTP 130	Term Paper	-	-	-	3	
TOTAL CREDITS					26	

Umesh Jyoti
 Director-ASET
 Amity University Madhya Pradesh Gwalior

Ajsh Lami
 Registrar
 Amity University Madhya Pradesh
 Gwalior

SECOND SEMESTER

Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
CSM 201	Advanced Operating Systems	2	1	-	3	
CSM 202	Mobile Ad Hoc and Wireless Sensor Networks	2	1	-	3	
CSM 203	Data Warehousing and Data Mining	2	1	-	3	
CSM 204	Image Processing and Pattern Recognition	2	1	-	3	
CSM 223	Data Warehousing and Data Mining Lab	-	-	2	1	
CSM 224	Image Processing and Pattern Recognition Lab	-	-	2	1	
BCP 241	Advanced Communication - II	1	-	-	1	
BSP 243	Behavioural Science - II	1	-	-	1	
MMP 260	Minor Project-I	-	-	-	4	
TOTAL CREDITS					20	
Summer Internship Programme (SIP): 6 - 8 WEEKS						


Director-ASET
Amity University Madhya Pradesh Gwalior


Registrar
Amity University Madhya Pradesh
Gwalior

THIRD SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
CSM 301	Cyber Security and Digital Forensics	2	1	-	3	
CSM 302	Data Analytics	2	1	-	3	
CSM 303	IoT Architecture and Protocols	2	1	-	3	
CSM 322	Data Analytics Lab	-	-	2	1	
CSM 323	IoT Architecture and Protocols Lab	-	-	2	1	
ELECTIVES (Any one from following)					3	
CSM 304	Cloud Computing and Virtualization	2	1	-	-	
CSM 305	Natural Language Processing	2	1	-	-	
CSM 306	Information Retrieval	2	1	-	-	
CSM 307	Advanced Cryptosystems and Blockchain Cryptocurrency	2	1	-	-	
CSM 308	High Performance Computing	2	1	-	-	
CSM 309	Soft Computing	2	1	-	-	
MSP 350	Summer Internship Programme (SIP) - Evaluation	-	-	-	6	
MMP 360	Minor Project - II	-	-	-	4	
TOTAL CREDITS					24	

FOURTH SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	
MMP 460	Dissertation	-	-	-	30	
TOTAL CREDITS					30	

Ankur Jaiswal
 Director-ASET
 Amity University Madhya Pradesh Gwalior

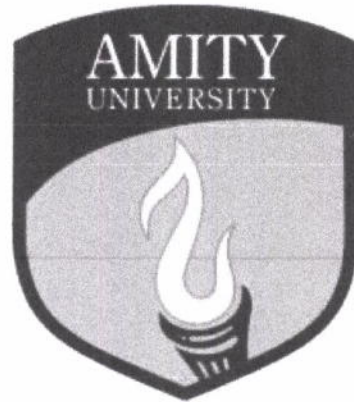
Apshami
 Registrar
 Amity University Madhya Pradesh
 Gwalior

Master of Computer Applications

Programme Code: MCA

Duration

Full Time



Programme Structure Curriculum & Scheme of Examination

AMITY UNIVERSITY MADHYA PRADESH

Ajsh. Kaur
Registrar
Amity University Madhya Pradesh
Gwalior

Yuvraj Singh
Director-ASET
Amity University Madhya Pradesh Gwalior

PROGRAMME STRUCTURE

FIRST SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
MCA 101	Discrete Mathematical Structures	4	-	-	4	
MCA 102	Computer Architecture & Organization	3	-	-	3	
MCA 103	Operating Systems	3	-	-	3	
MCA 104	Problem Solving and Programming Techniques	4	-	-	4	
MCA 105	Advanced Data Base Management Systems	4	-	-	4	
MCA 124	Problem Solving and Programming Techniques Lab	-	-	4	2	
MCA 125	Advanced Data Base Management Systems Lab	-	-	4	2	
BCP 141	Advanced Communication – I	1	-	-	1	
BSP 143	Behavioural Science – I	1	-	-	1	
MCP 130	Term Paper (Evaluation)	-	-	-	3	
TOTAL					27	

Umesh Jyoti
 Director ASET
 Amity University Madhya Pradesh Gwalior

Umesh Jyoti
 Registrar
 Amity University Madhya Pradesh
 Gwalior

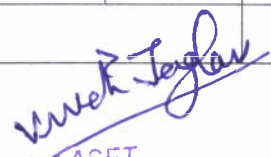
SECOND SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No
MCA 201	Statistics and Optimization Techniques	3	-	-	3	
MCA 202	Advanced Computer Networks	3	-	-	3	
MCA 203	Data Structures and Algorithms	3	-	-	3	
MCA 204	Data Science with Python Programming	2	1	-	3	
MCA 205	Web Technologies	2	1	-	3	
MCA 206	Software Engineering and Project Management	3	-	-	3	
MCA 223	Data Structures and Algorithms Lab	-	-	2	1	
MCA 224	Python Programming Lab	-	-	4	2	
MCA 225	Web Technologies Lab	-	-	2	1	
BCP 241	Advanced Communication – II	1	-	-	1	
BSP 243	Behavioural Science – II	1	-	-	1	
MMP 260	Minor Project- I	-	-	-	4	-
TOTAL					28	
Summer Internship Programme (SIP): 6 – 8 WEEKS						


Mukul Jaglan
 Director-ASET
 Amity University Madhya Pradesh Gwalior

Ajsham
 Registrar
 Amity University Madhya Pradesh
 Gwalior

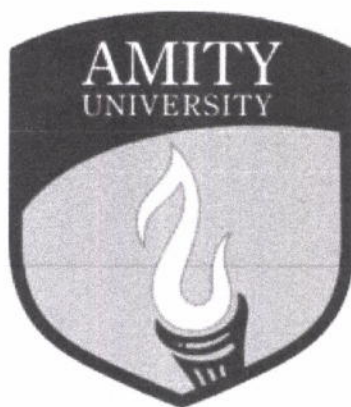
THIRD SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
MCA 301	Artificial Intelligence & Machine Learning	3	-	-	3	30
MCA 302	Java Programming	3	-	-	3	30
MCA 303	Analysis & Design of Algorithms	3	-	-	3	30
MCA 304	Android Application Development	3	-	-	3	30
MCA 305	Advanced Problem Solving Techniques	2	-	-	2	20
MCA 322	Java Programming Lab	-	-	2	1	20
MCA 323	Analysis & Design of Algorithms Lab	-	-	2	1	20
MCA 324	Android Application Development Lab	-	-	2	1	20
MCA 325	Advanced Problem Solving Techniques Lab	-	-	2	1	20
ELECTIVES (Any one from following)					3	30
MCA 306	Cyber Security and Digital Forensics	2	1	-	3	
MCA 307	IoT and Sensor Networks	2	1	-	3	
MCA 308	Distributed Database Systems	2	1	-	3	
MCA 309	Data Mining and Data Analysis	2	1	-	3	
MSP 350	Summer Internship Programme (SIP) – Evaluation	-	-	-	6	-
MMP 360	Minor Project- II	-	-	-	4	-
TOTAL CREDITS					31	

FOURTH SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
MMP 460	Dissertation	-	-	-	30	-
TOTAL					30	


 Director-ASET
 Amity University Madhya Pradesh Gwalior


 Amity University Madhya Pradesh
 Gwalior

**Pre-PhD Course Work
(Computer Science & Engineering)**



**Programme Structure
&
Curriculum & Scheme of Examination**

**AMITY UNIVERSITY
MADHYA PRADESH**

Gyesham
Registrar
Amity University Madhya Pradesh
Gwalior

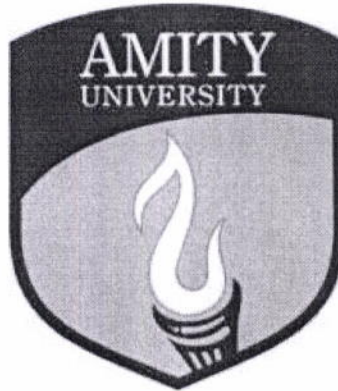
Urvashi Janghan
Director-ASET
Amity University Madhya Pradesh Gwalior

PhD COMPUTER SCIENCE & ENGINEERING					
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
	Compulsory Course				
PRM 101	Research Methodology	3	1	-	4
RPE 102	Research & Publication Ethics	2	-	-	2
ROL 103	Review of Literature	-	-	-	2
	Optional Course				
PCS 104	Advanced Data Structures & Algorithm Design	4	-	-	4
PCS 105	Network Security and Management	4	-	-	4
PCS 106	Data Warehousing & Data Mining	4	-	-	4
PCS 107	Artificial Intelligence & Machine Learning	4	-	-	4
PCS 108	Cloud Computing	4	-	-	4
PCS 109	Soft Computing	4	-	-	4
PCS 110	Image Processing & Pattern Recognition	4	-	-	4

Umesh Singh
 Director-ASET
 Amity University Madhya Pradesh Gwalior

Opshami
 Registrar
 Amity University Madhya Pradesh
 Gwalior

**Pre-PhD Course Work
(Civil Engineering)**



**Programme Structure
&
Curriculum & Scheme of Examination**

**AMITY UNIVERSITY
MADHYA PRADESH**

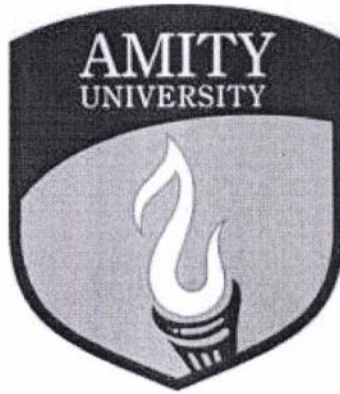
Prakash Kumar
Registrar
Amity University Madhya Pradesh
Gwalior

PhD (Civil Engineering)					
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
	Compulsory Course				
PRM 101	Research Methodology	3	1	-	4
RPE 102	Research & Publication Ethics	2	-	-	2
ROL 103	Review of Literature	-	-	-	2
	Optional Course				
PCE 101	Optimization Technique	4	-	-	4
PCE 102	Foundation Engineering	4	-	-	4
PCE 103	Smart materials and Techniques	4	-	-	4
PCE 104	Earthquake Resistant design of structures	4	-	-	4
PCE 105	Structural Health Monitoring	4	-	-	4
PCE 106	Advanced Geotechnical Engineering	4	-	-	4
PCE 107	Finite Element Method	4	-	-	4
PCE 108	Advanced Highway Engineering	4	-	-	4

Mushir Jaglan
Director-ASET
Amity University Madhya Pradesh Gwalior

Chisham
Registrar
Amity University Madhya Pradesh
Gwalior

**Pre-PhD Course Work
(Physics)**



**Programme Structure
&
Curriculum & Scheme of Examination**

**AMITY UNIVERSITY
MADHYA PRADESH**

Asham
Registrar
Amity University Madhya Pradesh
Gwalior

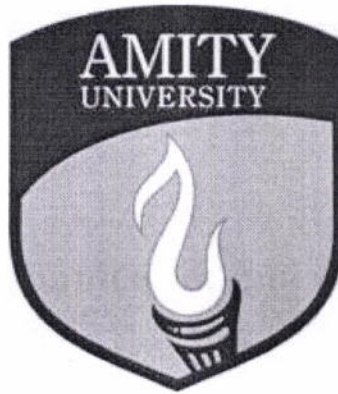
PhD (Physics)					
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
	Compulsory Course				
PRM 101	Research Methodology	3	1	-	4
RPE 102	Research & Publication Ethics	2	-	-	2
ROL 103	Review of Literature	-	-	-	2
	Optional Course				
PPH104	Solid State Physics	4	-	-	4
PPH105	Synthesis and Characterization Techniques	4	-	-	4

Mukh Jaislan
Director-ASET

Amity University Madhya Pradesh Gwalior

Aishwari
Registrar
Amity University Madhya Pradesh
Gwalior

**Pre-PhD Course Work
(Mechanical Engineering)**



**Programme Structure
&
Curriculum & Scheme of Examination**

**AMITY UNIVERSITY
MADHYA PRADESH**

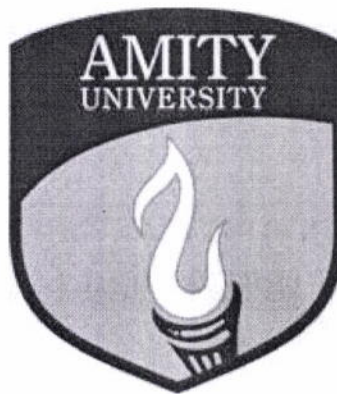
Opsham
Registrar
Amity University Madhya Pradesh
Gwalior

PhD (Mechanical Engineering)					
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
	Compulsory Course				
PRM 101	Research Methodology	3	1	-	4
RPE 102	Research & Publication Ethics	2	-	-	2
ROL 103	Review of Literature	-	-	-	2
	Optional Course				
PME 104	Optimization Technique	4	-	-	4
PME 105	Experimental Methods for Engineers	4	-	-	4
PME 106	Advance Welding Techniques and Metallurgy	4	-	-	4
PME 107	Product Design & Development	4	-	-	4

Vivek Jangam
 Director-ASET
 Amity University Madhya Pradesh Gwalior

Dipshami
 Registrar
 Amity University Madhya Pradesh
 Gwalior

**Pre-PhD Course Work
(Electronics & Communication
Engineering)**



**Programme Structure
&
Curriculum & Scheme of Examination**

**AMITY UNIVERSITY
MADHYA PRADESH**

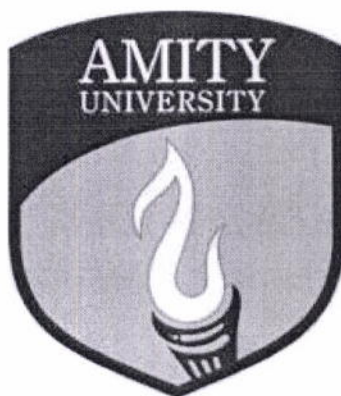
Ashwin
Registrar
Amity University Madhya Pradesh
Gwalior

PhD (Electronics & Communication Engineering)					
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
	Compulsory Course				
PRM 101	Research Methodology	3	1	-	4
RPE 102	Research & Publication Ethics	2	-	-	2
ROL 103	Review of Literature	-	-	-	2
	Optional Course				
PEC 102	Advanced Microwave Engineering	4	-	-	4
PEC 103	Advanced Information Theory and Coding	4	-	-	4
PEC 104	Advanced Microwave Engineering	4	-	-	4
PEC 105	Antenna Theory and Design	4	-	-	4
PEC 106	Low Power VLSI Design	4	-	-	4
PEC 107	Computer Communication and Networks	4	-	-	4

Umesh Jyoti
 Director ASET
 Amity University Madhya Pradesh Gwalior

Opshani
 Registrar
 Amity University Madhya Pradesh
 Gwalior

**Pre-PhD Course Work
(Applied Chemistry)**



**Programme Structure
&
Curriculum & Scheme of Examination**

**AMITY UNIVERSITY
MADHYA PRADESH**

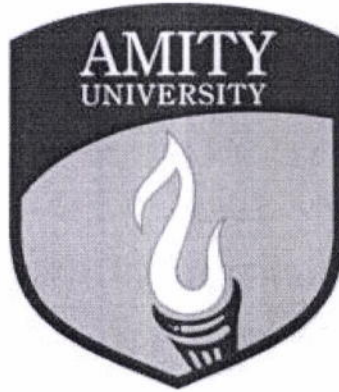
Opshanti
Amity University Madhya Pradesh
Gwalior

PhD (Applied Chemistry)					
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
	Compulsory Course				
PRM 101	Research Methodology	3	1	-	4
RPE 102	Research & Publication Ethics	2	-	-	2
ROL 103	Review of Literature	-	-	-	2
	Optional Course				
PCH 104	Advance Spectroscopic Methods	4	-	-	4
PCH 105	Quantitative Analysis & Separation Techniques	4	-	-	4

Mukul Jaiswal
 Director-ASET
 Amity University Madhya Pradesh Gwalior

Opal Singh
 Registrar
 Amity University Madhya Pradesh
 Gwalior

**Pre-PhD Course Work
(Applied Mathematics)**



**Programme Structure
&
Curriculum & Scheme of Examination**

**AMITY UNIVERSITY
MADHYA PRADESH**

Dr. Jyoti Kaur
Registrar
Amity University, Madhya Pradesh
Gwalior

PhD (Applied Mathematics)					
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits
	Compulsory Course				
PRM 101	Research Methodology	3	1	-	4
RPE 102	Research & Publication Ethics	2	-	-	2
ROL 103	Review of Literature	-	-	-	2
	Optional Course				
PMA102	Optimization Techniques	4	-	-	4
PMA103	Number Theory and Cryptography	4	-	-	4
PMA105	Numerical Methods	4	-	-	4

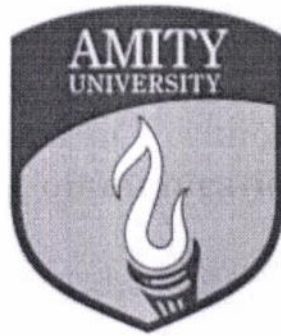
Ush R. Jyoti
 Director-ASET
 Amity University Madhya Pradesh Gwalior

Ujsham
 Registrar
 Amity University Madhya Pradesh
 Gwalior

**Master of Technology
(Electronics & Communication Engineering)**

Programme code: ECM

Duration – 2 years full Time



**Programme Structure
and
Curriculum & Scheme of Examination**

**AMITY UNIVERSITY
MADHYA PRADESH**

Ojshani
Registrar
Amity University Madhya Pradesh
Gwalior

PROGRAMME STRUCTURE M.TECH (ECE)

FIRST SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits	Page No.
ECM 101	Advanced Digital Communication	3	1	-	4	
ECM 102	Audio Signal Processing	3	1	-	4	
ECM 103	Stochastic Methods	3	1	-	4	
ECM 121	Advanced Digital Communication Lab	-	-	4	2	
ECM 122	Audio Signal Processing Lab	-	-	4	2	
ECM 124	Lab Using Labview Software /MATLAB	-	-	4	2	
ELECTIVES (Any one from following)					4	
ECM 105	Low Power VLSI Design	3	1	-	-	
ECM 106	Advanced Instrumentation & System Design	3	1	-	-	
ECM 107	Wireless Communication	3	1	-	-	
BCP 141	Advanced Communication – I	1	-	-	1	
BSP 143	Behavioural Science – I	1	-	-	1	
FLP 144	French-I	2	-	-	2	
MTP 130	Term Paper (Review Paper)	-	-	-	3	-
TOTAL CREDITS					29	

SECOND SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits	Page No.
ECM 201	Computer Communication & Networks	3	1	-	4	
ECM 202	Advanced Microwave Engineering	3	1	-	4	
ECM 203	Advanced Information Theory & Coding	3	1	-	4	
ECM 221	Computer Communication & Networks Lab	-	-	4	2	
ECM 222	Advanced Microwave Engineering Lab	-	-	4	2	
ECM 224	CDMA Lab using Qualnet	-	-	4	2	
ELECTIVES (Any one from following)					4	
ECM 205	Advanced Optical Communication	3	1	-	-	
ECM 206	Satellite Communication	3	1	-	-	
ECM 207	MEMS & IC Integration	3	1	-	-	
BCP 241	Advanced Communication-II	1	-	-	1	
BSP 243	Behavioural Science – II	1	-	-	1	
FLP 244	French-II	2	-	-	2	
MMP 260	Minor Project I	-	-	-	4	-
TOTAL CREDITS					30	
SUMMER PROJECT: 08 WEEKS						


 Director ASET
 Amity University Madhya Pradesh Gwalior


 Amity University Madhya Pradesh
 Gwalior

THIRD SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits	Page No.
ECM 301	Antenna Theory & Design	3	1	-	4	
ECM 302	Image Processing & Pattern Recognition	3	1	-	4	
ECM 303	Research Methodology	3	1	-	4	
ECM 321	Antenna Technology Lab	-	-	4	2	
ECM 322	Advanced Image Processing Lab	-	-	4	2	
ECM 324	Semiconductor Device Physics & Modeling Lab (using SILVACO)	-	-	4	2	
ELECTIVES (Any one from following)					4	
MAM 309	Optimization Techniques	3	1	-	-	
ECM 305	Project Management	3	1	-	-	
ECM 306	Reliability Engineering	3	1	-	-	
CSM 311	Cluster & Grid Computing	3	1	-	-	
MSP 350	Summer Internship Programme (Evaluation)	-	-	-	6	
MMP 360	Minor Project II	-	-	-	4	
TOTAL CREDITS					32	

FOURTH SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits	Page No.
MMP 460	Dissertation	-	-	-	30	-
TOTAL CREDITS					30	

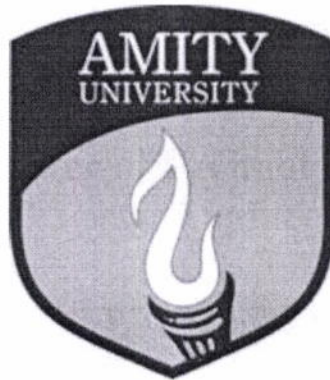
Umesh Jyoti
 Director-ASET
 Amity University Madhya Pradesh Gwalior

Umesh Jyoti
 Registrar
 Amity University Madhya Pradesh
 Gwalior

**Master of Technology
(Mechanical Engineering)**

Programme Code: MEM

Duration – 2 Years Full Time



**Programme Structure
And
Curriculum & Scheme of Examination**

(Based on AICTE)

**AMITY UNIVERSITY
MADHYA PRADESH**

Dr. J. K. Singh
Amity University Madhya Pradesh
Gwalior

PROGRAMME STRUCTURE


FIRST SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No
MEM 101	Numerical Method & Programming	3	1	-	4	
MEM 102	Advanced Manufacturing Processes	3	1	-	4	
MEM 103	Theory of Metal Forming	3	1	-	4	
MEM 104	Operation Management	3	1	-	4	
MEM 122	Advanced Manufacturing Lab-I	-	-	4	2	
MEM 123	Theory of Metal Forming Lab	-	-	2	1	
MEM 124	Work Shop Practice Lab	-	-	6	3	
BCP 141	Advanced Communication-I	1	-	-	1	
BSP 143	Behavioral Science-I	1	-	-	1	
FLP 144	French-I	2	-	-	2	
MTP 130	Term Paper	-	-	-	3	
TOTAL CREDITS					29	

SECOND SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No
MEM 201	Optimization Techniques	3	1	-	4	
MEM 202	Casting Technologies	3	1	-	4	
MEM 203	Materials Management	3	1	-	4	
MEM 204	Product Design & Development	3	1	-	4	
MEM 225	Computer Aided Design Lab	-	-	4	2	
MEM 226	Advanced Manufacturing Lab - II	-	-	4	2	
BCP 241	Advanced Communication-II	1	-	-	1	
BSP 243	Behavioral Science – II	1	-	-	1	
FLP 244	French-II	2	-	-	2	
MMP 260	Minor Project I	-	-	-	4	
TOTAL CREDITS					28	
INDUSTRIAL PRACTICAL TRAINING:4-6 WEEKS						

Umesh Jagtap
 Director-ASET
 Amity University Madhya Pradesh Gwalior

Umesh Jagtap
 Amity University Madhya Pradesh
 Gwalior

THIRD SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No
MEM 301	Research Methodology	3	1	-	4	
MEM 302	Unconventional Machining	3	1	-	4	
MEM 303	Computer Integrated Manufacturing	3	1	-	4	
MEM 322	Unconventional Machining Lab	-	-	2	1	
MEM 323	Computer Integrated Manufacturing Lab	-	-	2	1	
MEM 324	Simulation & Modeling Lab	-	-	2	1	
ELECTIVES (Any one from followings)					4	
MEM 304	Lean Manufacturing	3	1	-	-	
MEM 305	Total Productive Maintenance	3	1	-	-	
MEM 306	Supply Chain Management & Logistics	3	1	-	-	
BCP 341	Advanced Communication-III	1	-	-	1	
BSP 343	Behavioral Science-III	1	-	-	1	
FLP 344	French-III	2	-	-	2	
MSP 350	Summer Internship Programme (SIP)	-	-	-	6	
MMP 360	Minor Project II	-	-	-	4	
TOTAL CREDITS					33	


 Director-ASET
 Amity University Madhya Pradesh Gwalior


 Registrar
 Amity University Madhya Pradesh
 Gwalior

FOURTH SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No
MMP 460	Dissertation	-	-	-	30	-
TOTAL CREDITS					30	-

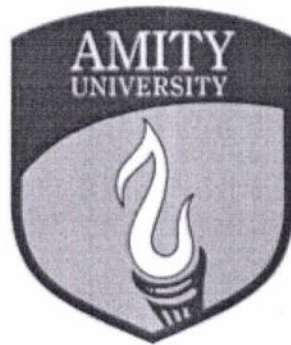

 Director-ASET
 Amity University Madhya Pradesh Gwalior


 Registrar
 Amity University Madhya Pradesh
 Gwalior

**Master of Technology
(STRUCTURAL ENGINEERING)**

Programme Code: CEM

Duration - 2 years full Time



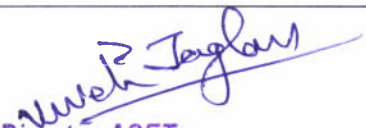
**Programme Structure
And
Curriculum & Scheme of Examination**

**AMITY UNIVERSITY
MADHYA PRADESH**

1 
Registrar
Amity University Madhya Pradesh
Gwalior

PROGRAMME STRUCTURE
M.TECH (STRUCTURAL ENGINEERING)

FIRST SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits	Page No
CEM 101	Numerical Analysis and Computer Programming	3	1	-	4	
CEM 102	Concrete Technology	3	1	-	4	
CEM 103	Advanced Structural Analysis	3	1	-	4	
Elective-I (Select any one)		3	1	-	4	
CEM 105	Bridge Engineering					
CEM 106	Advanced Elasticity and Plasticity					
CEM 201	Optimization Techniques					
CEM 120	Numerical Analysis Lab	-	-	4	2	
CEM 123	Advanced Concrete Lab	-	-	4	2	
CEM 124	Computer Aided Design Lab	-	-	4	2	
BCP 141	Advanced Communication - I	1	-	-	1	
BSP 143	Behavioral Science - I	1	-	-	1	
FLP 144	French-I	2	-	-	2	
MTP 130	Term Paper	-	-	-	3	
Total Credits					29	


Director-ASET
Amity University Madhya Pradesh Gwalior


Registrar
Amity University Madhya Pradesh
Gwalior

SECOND SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits	Page No
CEM 104	Structural Dynamics and Earthquake Resistant Building	3	1	-	4	
CEM 203	Finite Element Method	3	1	-	4	
CEM 207	Structural Health Monitoring	3	1	-	4	
Elective-II (Select any one)		3	1	-	4	
CEM 204	Advanced Steel Structure					
CEM 205	Design of Pre-Stressed Structures					
CEM 206	Experimental Stress Analysis					
CEM 220	Structural Engineering Lab	-	-	4	2	
CEM 222	Finite Element Method Lab	-	-	4	2	
CEM 223	Non- Destructive Testing Lab	-	-	4	2	
BCP 241	Advanced Communication – II	1	-	-	1	
BSP 243	Behavioral Science – II	1	-	-	1	
FLP 244	French-II	2	-	-	2	
MMP 260	Minor Project I	-	-	-	4	
Total Credits					30	
SUMMER PROJECT: 08 WEEKS						

Umesh Jaiswal
 Director ASET
 Amity University Madhya Pradesh Gwalior

Dipsham
 Registrar
 Amity University Madhya Pradesh
 Gwalior

THIRD SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits	Page No
CEM 301	Research Methodology	3	1	-	4	
CEM 302	Advanced RCC Design	3	1	-	4	
CEM 303	High Rise Buildings analysis	3	1	-	4	
Elective - III (Select any one)		3	1	-	4	
CEM 304	Analysis of Plate and Shells					
CEM 305	Reliability Based Civil Engineering Design					
CEM 306	Evaluation and Retrofitting of Building					
CEM 322	Structural Material Testing Lab-II	-	-	4	2	
CEM 323	Structural Dynamics Lab	-	-	4	2	
CEM 324	Advanced Structural Detailing Lab	-	-	4	2	
MSP 350	Summer Internship Programme (SIP)	-	-	-	6	
MMP 360	Minor Project II	-	-	-	4	
Total Credits					32	


Director-ASET
Amity University Madhya Pradesh Gwalior


Registrar
Amity University Madhya Pradesh
Gwalior

FOURTH SEMESTER

Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits	Page No
MMP 460	Dissertation	-	-	-	30	-
Total					30	-

Umesh Janglan
Director-ASET

Amity University Madhya Pradesh Gwalior

Chishamini
Registrar
Amity University Madhya Pradesh
Gwalior


**Master of Technology
(Structural Engineering)
Programme Code: CEM**

Duration – 2 Years Full Time

OVERALL CREDIT

Sr. No.	Semester	No. of Credits	No. of Hours
1	I	29	320
2	II	30	320
3	III	32	280
4	IV	30	-
Total Credits		121	920

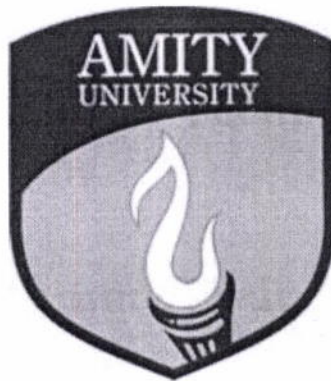

Director-ASET
Amity University Madhya Pradesh Gwalior


Registrar
Amity University Madhya Pradesh
Gwalior

**Bachelor of Technology
(Mechanical Engineering)**

Programme Code: BME

Duration – 4 Years Full Time



**Programme Structure
&
Curriculum & Scheme of Examination**

**2021-25
(Based on AICTE)**

**AMITY UNIVERSITY
MADHYA PRADESH**

Ajsham
Registrar
Amity University Madhya Pradesh
Gwalior

PROGRAMME STRUCTURE

FIRST SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
MAT101	Applied Mathematics – I (Calculus and Linear Algebra)	3	1	-	4	
CHE101	Applied Chemistry	3	1	-	4	
CSE104	Programming for Problem Solving	3	-	-	3	
BME101	Engineering Graphics & Design	1	-	-	1	
CIV101	Basic Civil Engineering & Applied Mechanics	2	-	-	2	
CHE121	Applied Chemistry Lab	-	-	2	1	
CSE124	Programming for Problem Solving Lab	-	-	4	2	
BME121	Engineering Graphics & Design Lab	-	-	4	2	
BCU141	Communication Skills – I	1	-	-	1	
EVS142	Environmental Studies – I	2	-	-	2	
BSU143	Behavioural Science – I	1	-	-	1	
FLU144	French –I	2	-	-	2	
TOTAL CREDITS					25	

Umesh Jyoti
 Director-ASET
 Amity University Madhya Pradesh Gwalior


Gitesh Kumar
 Director
 Amity University Madhya Pradesh
 Gwalior

SECOND SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
MAT201	Applied Mathematics–II (Ordinary & Partial Differential Equations and Transform)	3	1	-	4	
PHY101	Applied Physics – I	3	1	-	4	
ECE101	Basic Electrical Engineering	3	-	-	3	
CSE204	Object Oriented Programming Using C++	2	1	-	3	
BME102	Workshop/ Manufacturing Practices	1	-	-	1	
PHY121	Applied Physics Lab – I	-	-	2	1	
ECE121	Basic Electrical Engineering Lab	-	-	2	1	
CSE224	Object Oriented Programming Using C++ Lab	-	-	2	1	
BME122	Workshop/ Manufacturing Practices Lab	-	-	4	2	
BCU241	Communication Skills – II	1	-	-	1	
EVS242	Environmental Studies – II	2	-	-	2	
BSU243	Behavioural Science – II	1	-	-	1	
FLU244	French –II	2	-	-	2	
TOTAL CREDITS					26	
TERM PAPER DURING SUMMER BREAK						


 Director-ASET
 Amity University Madhya Pradesh Gwalior


 Registrar
 Amity University Madhya Pradesh
 Gwalior

THIRD SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
MAT 301	Applied Mathematics – III (Probability, Statistics and Numerical Methods)	3	-	-	3	
PHY 303	Applied Physics – II	3	-	-	3	
BME 301	Engineering Mechanics	3	-	-	3	
BME 302	Material Science & Metallurgy	3	-	-	3	
BME 303	Thermodynamics	3	-	-	3	
ECE 307	Basic Electronics	2	-	-	2	
PHY 323	Applied Physics Lab – II	-	-	2	1	
BME 321	Engineering Mechanics Lab	-	-	2	1	
BME 323	Thermodynamics lab	-	-	2	1	
ECE 327	Basic Electronics lab	-	-	2	1	
BCU 341	Communication Skills – III	1	-	-	1	
BSU 343	Behavioural Science – III	1	-	-	1	
FLU 344	French– III	2	-	-	2	
NTP 330	Term paper (Evaluation)	-	-	-	2	
TOTAL CREDITS					27	


 Director-ASET
 Amity University Madhya Pradesh Gwalior


 Registrar
 Amity University Madhya Pradesh
 Gwalior

FOURTH SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
BME 401	Fluid Mechanics	3	-	-	3	
BME 402	Heat and Mass Transfer	3	-	-	3	
BME 403	Kinematic of Machine	3	-	-	3	
BME 404	Manufacturing Machine	3	-	-	3	
BME 405	Strength of Material	3	-	-	3	
BME 422	Heat and Mass Transfer Lab	-	-	2	1	
BME 423	Kinematic of Machine Lab	-	-	2	1	
BME 424	Manufacturing Machine Lab	-	-	2	1	
BME 425	Strength of Material & Fluid Mechanics Lab	-	-	2	1	
BCU 441	Communication Skills – IV	1	-	-	1	
BSU 443	Behavioural Science – IV	1	-	-	1	
FLU 444	French– IV	2	-	-	2	
TOTAL CREDITS					23	
INDUSTRIAL PRACTICAL TRAINING – I: 6 – 8 WEEKS						

Umesh Janglam
 Director-ASET
 Amity University Madhya Pradesh Gwalior

Ajohani
 Registrar
 Amity University Madhya Pradesh
 Gwalior

FIFTH SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
BME 501	Applied Thermodynamics	3	-	-	3	
BME 502	Dynamics of Machines	3	-	-	3	
BME 503	Machine Design –I	3	-	-	3	
BME 504	Measurement and Control	3	-	-	3	
BME 505	Metrology	3	-	-	3	
BME 522	Dynamics of Machine Lab	-	-	2	1	
BME 524	Measurement and Control Lab	-	-	2	1	
BME 525	Metrology lab	-	-	2	1	
BCU 541	Communication Skills –V	1	-	-	1	
BSU 543	Behavioural Science – V	1	-	-	1	
FLU 544	French– V	2	-	-	2	
NPT 550	Industrial Practical Training - I (Evaluation)	-	-	-	3	
TOTAL CREDITS						

Manish Jaiswal
 Director-ASET
 Amity University Madhya Pradesh Gwalior

Ujjwal Kumar
 Registrar
 Amity University Madhya Pradesh
 Gwalior

SIXTH SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
BME 601	Fluid Power Systems	3	-	-	3	
BME 602	IC Engine & Gas Turbine	3	-	-	3	
BME 603	Machine Design – II	3	-	-	3	
BME 604	Manufacturing Technology	3	-	-	3	
BME 621	Fluid Power Systems Lab	-	-	2	1	
BME 622	IC Engine & Gas Turbine Lab	-	-	2	1	
BME 623	Machine Design Lab – II	-	-	2	1	
ELECTIVES (Anyone from following with Practical)					4	
BME 606	Mechatronics	3	-	-		
BME 607	Artificial Intelligence and Robotics	3	-	-		
BME 626	Mechatronics Lab	-	-	2		
BME 627	Artificial Intelligence and Robotics lab	-	-	2		
BCU 641	Communication Skills – VI	1	-	-	1	10
BSU 643	Behavioural Science – VI	1	-	-	1	10
FLU 644	French– VI	2	-	-	2	20
NMP 660	Minor Project	-	-	-	2	-
TOTAL CREDITS (Including CBCS)					25	
INDUSTRIAL PRACTICAL TRAINING –II: 6 – 8 WEEKS						

Umesh Jyoti
 Director-ASET
 Amity University Madhya Pradesh Gwalior

Umesh Jyoti
 Registrar
 Amity University Madhya Pradesh
 Gwalior

SEVENTH SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
BME 701	Operations Research	3	-	-	3	
BME 702	Computer Aided Manufacturing	3	-	-	3	
BME 703	Management of Manufacturing Systems	3	-	-	3	
BME 721	Operations Research (Programming) Lab	-	-	2	1	
BME 722	Computer Aided Manufacturing Lab	-	-	2	1	
ELECTIVES (Any one from each category)					4	
A (With Practical)						
BME 704	Automotive Engineering	3	-	-		
BME 705	Computer Aided Designing	3	-	-		
BME 724	Automotive Engineering Lab	-	-	2		
BME 725	Computer Aided Designing Lab	-	-	2		
ELECTIVES (Any one from each category)					3	
B (Without Practical)						
BME 706	Marketing Management	3	-	-		
BME 707	Solar Energy	3	-	-		
BME 708	Power Plant Practices	3	-	-		
BME 709	Combustion Engine Emissions	3	-	-		
BME 710	Green Vehicle Technology	3	-	-		
NPT 750	Industrial Practical Training– II (Evaluation)	-	-	-	5	
NMP 760	Major Project – I	-	-	-	6	
TOTAL CREDITS					29	

Umesh Jaglan
 Director-ASET
 Amity University Madhya Pradesh Gwalior

Umesh Jaglan
 Amity University Madhya Pradesh
 Gwalior

EIGHT SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
BME 801	Quality Control & Quality Assurance	3	-	-	3	
BME 802	Refrigeration & Air-conditioning	3	-	-	3	
BME 822	Refrigeration & Air-conditioning Lab	-	-	2	1	
ELECTIVES (Any one from following with Practical)					4	
BME 803	Advanced Methods of Manufacturing	3	-	-		
BME 804	Gear Technology	3	-	-		
BME 823	Advanced Methods of Manufacturing Lab	-	-	2		
BME 824	Gear Technology Lab	-	-	2		
NMP 860	Major Project – II	-	-	-	9	
TOTAL CREDITS					20	

Uwek Jaglan
 Director-ASET
 Amity University Madhya Pradesh Gwalior

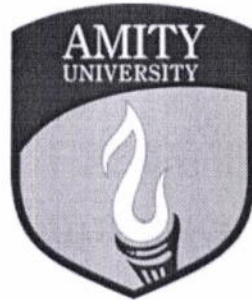
Chhitauni
 Registrar
 Amity University Madhya Pradesh
 Gwalior

B.Tech. (ECE) 2021-25 (Based on AICTE)

**Bachelor of Technology
(Electronics & Communication Engineering)**

Programme Code: ECE

Duration – 4 Years Full Time



**Programme Structure
&
Curriculum & Scheme of Examination
(2021-25)**

**AMITY UNIVERSITY
MADHYA PRADESH**

Ajshain
Registrar
Amity University Madhya Pradesh
Gwalior

PROGRAMME STRUCTURE

FIRST SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
MAT101	Applied Mathematics – I (Calculus and Linear Algebra)	3	1	-	4	
CHE101	Applied Chemistry	3	1	-	4	
CSE104	Programming for Problem Solving	3	-	-	3	
BME101	Engineering Graphics & Design	1	-	-	1	
CIV101	Basic Civil Engineering & Applied Mechanics	2	-	-	2	
CHE121	Applied Chemistry Lab	-	-	2	1	
CSE124	Programming for Problem Solving Lab	-	-	4	2	
BME121	Engineering Graphics & Design Lab	-	-	4	2	
BCU141	Communication Skills – I	1			1	
EVS142	Environmental Studies – I	2	-	-	2	
BSU143	Behavioural Science – I	1	-	-	1	
FLU144	French –I	2	-	-	2	
TOTAL CREDITS					25	

Umesh Joglekar
 Director-ASET
 Amity University Madhya Pradesh Gwalior

Dipshami
 Registrar
 Amity University Madhya Pradesh
 Gwalior

B.Tech. (ECE) 2021-25 (Based on AICTE)

SECOND SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
MAT201	Applied Mathematics–II (Ordinary & Partial Differential Equations and Transform)	3	1	-	4	
PHY101	Applied Physics – I	3	1	-	4	
ECE101	Basic Electrical Engineering	3	-	-	3	
CSE204	Object Oriented Programming Using C++	2	1	-	3	
BME102	Workshop/ Manufacturing Practices	1	-	-	1	
PHY121	Applied Physics Lab – I	-	-	2	1	
ECE121	Basic Electrical Engineering Lab	-	-	2	1	
CSE224	Object Oriented Programming Using C++ Lab	-	-	2	1	
BME122	Workshop/ Manufacturing Practices Lab	-	-	4	2	
BCU241	Communication Skills – II	1	-	-	1	
EVS242	Environmental Studies – II	2	-	-	2	
BSU243	Behavioural Science – II	1	-	-	1	
FLU244	French –II	2	-	-	2	
TOTAL CREDITS					26	
TERM PAPER DURING SUMMER BREAK						

Umesh Joglekar
 Director-ASET
 Amity University Madhya Pradesh Gwalior

Ajshkaini
 Director
 Amity University Madhya Pradesh
 Gwalior

B.Tech. (ECE) 2021-25 (Based on AICTE)

THIRD SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
MAT 301	Applied Mathematics- III (Probability, Statistics and Numerical Methods)	3	-	-	3	
ECE 301	Electronic Devices	3	-	-	3	
ECE 302	Digital System Design	3	-	-	3	
ECE 303	Network Theory	3	-	-	3	
ECE 304	Signals and Systems	3	-	-	3	
CSE 202	Data Structures through C++	3	-	-	3	
ECE 321	Electronics Devices Lab	-	-	2	1	
ECE 322	Digital System Design Lab	-	-	2	1	
ECE 323	Network Theory Lab	-	-	2	1	
CSE 222	Data Structures through C++ Lab	-	-	2	1	
BCU 341	Communication Skills – III	1	-	-	1	
BSU 343	Behavioural Science – III	1	-	-	1	
FLU 344	French-III	2	-	-	2	
NTP 330	Term Paper (Evaluation)	-	-	-	2	-
TOTAL CREDITS					28	

Rakesh Jangam
 Director-ASET
 Amity University Madhya Pradesh Gwalior

Apshani
 Registrar
 Amity University Madhya Pradesh
 Gwalior

B.Tech. (ECE) 2021-25 (Based on AICTE)

FOURTH SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
ECE 401	Analog and Digital Communication	3	-	-	3	
ECE 402	Analog Circuits	3	-	-	3	
ECE 403	Microcontrollers	3	-	-	3	
CSE 403	Java Programming	2	1	-	3	
ECE 421	Analog and Digital Communication Lab	-	-	2	1	
ECE 422	Analog Circuits Lab	-	-	2	1	
ECE 423	Microcontrollers Lab	-	-	2	1	
CSE 423	Java Programming Lab	-	-	4	2	
ECE 325	MATLAB and SIMULINK Lab	-	-	2	1	
ECE 425	Electronics Workshop Lab	-	-	2	1	
BCU 441	Communication Skills – IV	1	-	-	1	
BSU 443	Behavioural Science – IV	1	-	-	1	
FLU 444	French-IV	2	-	-	2	
TOTAL CREDITS					23	
INDUSTRIAL PRACTICAL TRAINING – I : 6-8 WEEKS						

Umesh Joglekar
 Director ASET
 Amity University Madhya Pradesh Gwalior

Umesh Joglekar
 Amity University Madhya Pradesh
 Gwalior

B.Tech. (ECE) 2021-25 (Based on AICTE)

FIFTH SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
ECE 501	Electromagnetic Waves	3	-	-	3	
ECE 502	Digital Signal Processing	3	-	-	3	
ECE 503	Antennas and Propagation	3	-	-	3	
ECE 504	Control Systems	3	-	-	3	
CSE 510	Advanced Programming through Python	3	-	-	3	
ECE 521	Electromagnetic Waves Lab	-	-	2	1	
ECE 522	Digital Signal Processing Lab	-	-	2	1	
ECE 523	Antennas and Propagation Lab	-	-	2	1	
ECE 524	Control Systems Lab	-	-	2	1	
CSE 530	Advanced Programming through Python Lab	-	-	2	1	
BCU 541	Communication Skills – V	1	-	-	1	
BSU 543	Behavioural Science – V	1	-	-	1	
FLU 544	French – V	2	-	-	2	
NPT 550	Industrial Practical Training - I (Evaluation)	-	-	-	3	-
TOTAL CREDITS					27	

Umesh Jaglan
 Director-ASET
 Amity University Madhya Pradesh Gwalior

Umesh Jaglan
 Amity University Madhya Pradesh
 Gwalior

SIXTH SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
ECE 601	Computer Architecture	3	-	-	3	
ECE 603	Quantitative Aptitude and Reasoning	3	-	-	3	
CSE 603	Internet of Things (IOT)	2	-	-	2	
CSE 604	Problem Solving Techniques – I	3	-	-	3	
CSE 623	Internet of Things (IOT) Lab	-	-	4	2	
CSE 624	Problem Solving Techniques – I Lab	-	-	4	2	
ELECTIVES (Any one from following with Practical)					4	
ECE 605	Microwave Theory and Techniques	3	-	-	-	
ECE 606	Instrumentation	3	-	-	-	
ECE 607	Speech and Audio Processing	3	-	-	-	
ECE 625	Microwave Theory and Techniques Lab	-	-	2	-	
ECE 626	Instrumentation Lab	-	-	2	-	
ECE 627	Speech and Audio Processing Lab	-	-	2	-	
BCU 641	Communication Skills – VI	1	-	-	1	
BSU 643	Behavioural Science – VI	1	-	-	1	
FLU 644	French-VI	2	-	-	2	
NMP 660	Minor Project	-	-	-	2	
TOTAL CREDITS					25	
INDUSTRIAL PRACTICAL TRAINING – II : 6-8 WEEKS						

Umesh Jain
 Director-ASET
 Amity University Madhya Pradesh Gwalior

Umesh Jain
 Registrar
 Amity University Madhya Pradesh
 Gwalior

B.Tech. (ECE) 2021-25 (Based on AICTE)

SEVENTH SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
ECE 701	Fiber Optic Communication	3	-	-	3	
ECE 702	Computer Network	3	-	-	3	
ECE 721	Fiber Optic Communication Lab	-	-	2	1	
ECE 722	Computer Network Lab	-	-	2	1	
ELECTIVES (Any one from each category)					4	
A (With Practical)						
ECE 704	CMOS Design	3	-	-	-	
ECE 705	Artificial Neural Networks	3	-	-	-	
ECE 706	Analog CMOS IC Design	3	-	-	-	
CSE 710	Relational Database Management Systems	3	-	-	-	
ECE 724	CMOS Design Lab	-	-	2	-	
ECE 725	Artificial Neural Networks Lab	-	-	2	-	
ECE 726	Analog CMOS IC Design Lab	-	-	2	-	
CSE 730	Relational Database Management Systems Lab	-	-	2	-	
ELECTIVES (Any one from each category)					3	
B (Without Practical)						
ECE 707	Mobile Communications	3	-	-	-	
ECE 708	Power Electronics	3	-	-	-	
ECE 709	Bio-Medical Engineering	3	-	-	-	
ECE 710	Wireless Sensor Networks	3	-	-	-	
NPT 750	Industrial Practical Training – II (Evaluation)	-	-	-	5	-
NMP 760	Major Project – I	-	-	-	6	-
TOTAL CREDITS					26	

Anush Jaglan
 Director-ASET
 Amity University Madhya Pradesh Gwalior

Dijesh Kumar
 Registrar
 Amity University Madhya Pradesh
 Gwalior

EIGHT SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No.
ECE 801	Information Theory and Coding	3	-	-	3	
ECE 802	Radar & Satellite Communications	3	-	-	3	
ECE 803	Embedded Systems	3	-	-	3	
ECE 821	Information Theory and Coding Lab	-	-	2	1	
ECE 822	Radar & Satellite Communications Lab	-	-	2	1	
ECE 823	Embedded Systems Lab	-	-	2	1	
ELECTIVES (Any one from following with Practical)					4	
ECE 804	VHDL Programming	3	-	-	-	
ECE 805	Verilog Programming	3	-	-	-	
ECE 806	Advanced Networking	3	-	-	-	
CSE 801	Digital Image Processing	3	-	-	-	
ECE 824	VHDL Programming Lab	-	-	2	-	
ECE 825	Verilog Programming Lab	-	-	2	-	
ECE 826	Advanced Networking Lab	-	-	2	-	
CSE 821	Digital Image Processing Lab	-	-	2	-	
NMP 860	Major Project – II	-	-	-	9	
TOTAL CREDITS					25	

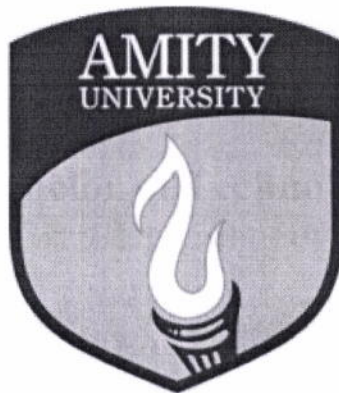

 Director-ASET
 Amity University Madhya Pradesh Gwalior


 Registrar
 Amity University Madhya Pradesh
 Gwalior

**Bachelor of Technology
(Civil Engineering)**

Programme Code: CIV

Duration – 4 Years Full Time



**Programme Structure
&
Curriculum & Scheme of Examination**

**2021-25
(Based on AICTE)**

**AMITY UNIVERSITY
MADHYA PRADESH**


Registrar
Amity University Madhya Pradesh
Gwalior

PROGRAMME STRUCTURE

FIRST SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No
MAT101	Applied Mathematics – I(Calculus and Linear Algebra)	3	1	-	4	
CHE101	Applied Chemistry	3	1	-	4	
CSE104	Programming for Problem Solving	3	-	-	3	
BME101	Engineering Graphics & Design	1	-	-	1	
CIV101	Basic Civil Engineering & Applied Mechanics	2	-	-	2	
CHE121	Applied Chemistry Lab	-	-	2	1	
CSE124	Programming for Problem Solving Lab	-	-	4	2	
BME121	Engineering Graphics & Design Lab	-	-	4	2	
BCU141	Communication Skills – I	1			1	
EVS142	Environmental Studies – I	2	-	-	2	
BSU143	Behavioural Science – I	1	-	-	1	
FLU144	French –I	2	-	-	2	
TOTAL CREDITS					25	

Vivek Jangam
 Director-ASET
 Amity University Madhya Pradesh Gwalior

Dijesh Kumar
 Registrar
 Amity University Madhya Pradesh
 Gwalior

B.Tech CE 2021-25 (Based on AICTE)


SECOND SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No
MAT201	Applied Mathematics–II (Ordinary & Partial Differential Equations and Transform)	3	1	-	4	
PHY101	Applied Physics – I	3	1	-	4	
ECE101	Basic Electrical Engineering	3	-	-	3	
CSE204	Object Oriented Programming Using C++	2	1	-	3	
BME102	Workshop/ Manufacturing Practices	1	-	-	1	
PHY121	Applied Physics Lab – I	-	-	2	1	
ECE121	Basic Electrical Engineering Lab	-	-	2	1	
CSE224	Object Oriented Programming Using C++ Lab	-	-	2	1	
BME122	Workshop/ Manufacturing Practices Lab	-	-	4	2	
BCU241	Communication Skills – II	1	-	-	1	
EVS242	Environmental Studies – II	2	-	-	2	
BSU243	Behavioural Science – II	1	-	-	1	
FLU244	French –II	2	-	-	2	
TOTAL CREDITS (Including CBCS)					26	


Director ASET
Amity University Madhya Pradesh Gwalior


Registrar
Amity University Madhya Pradesh
Gwalior

B.Tech CE 2021-25 (Based on AICTE)

THIRD SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No
MAT 301	Applied Mathematics- III(Probability, Statistics and Numerical Methods)	3	-	-	3	
CIV 302	Computer-Aided Civil Engineering Drawing	3	-	-	3	
CIV 303	Engineering Mechanics	3	1	-	4	
CIV 308	Civil Engineering and Energy Science	3	1	-	4	
CIV 309	Life Science/Biology for Engineering	3	-	-	3	
BME 104	Mechanical Engineering	2	-	-	2	
ECE 307	Basic Electronics	2	-	-	2	
CIV 322	Computer-aided Civil Engineering Drawing Lab	-	-	2	1	
ECE 327	Basic Electronics Lab	-	-	2	1	
BCU 341	Communication Skills – III	1	-	-	1	
BSU 343	Behavioural Science – III	1	-	-	1	
FLU 344	French– III	2	-	-	2	
NTP 330	Term Paper (Evaluation)	-	-	-	2	
TOTAL CREDITS					29	


Director-ASET
Amity University Madhya Pradesh Gwalior


Registrar
Amity University Madhya Pradesh
Gwalior

B.Tech CE 2021-25 (Based on AICTE)

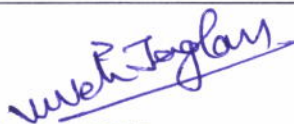
FOURTH SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Hours
CIV 401	Materials, Testing & Evaluation	2	-	-	2	
CIV 402	Engineering Geology	2	-	-	2	
CIV 403	Surveying	2	1	-	3	
CIV 404	Fluid Mechanics	3	-	-	3	
CIV 405	Solid Mechanics	2	-	-	2	
CIV 407	Civil Engineering - Societal & Global Impact	1	1	-	2	
ECE 407	Instrumentation & Sensor Technologies for Civil Engineering Applications	2	-	-	2	
CIV 421	Materials Testing and Evaluation Lab	-	-	2	1	
CIV 422	Engineering Geology Lab	-	-	2	1	
CIV 423	Surveying lab	-	-	2	1	
CIV 424	Fluid Mechanics Lab	-	-	2	1	
ECE 427	Instrumentation & Sensor Technologies for Civil Engineering Applications Lab	-	-	2	1	
BCU 441	Communication Skills – IV	1	-	-	1	
BSU 443	Behavioural Science – IV	1	-	-	1	
FLU 444	French– IV	2	-	-	2	
TOTAL CREDITS					25	


Director-ASET
Amity University Madhya Pradesh Gwalior


Registrar
Amity University Madhya Pradesh
Gwalior

B.Tech CE 2021-25 (Based on AICTE)

FIFTH SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No
CIV 502	Hydraulic Engineering	2	-	-	2	
CIV 503	Structural Engineering	3	1	-	4	
CIV 504	Geotechnical Engineering	3	-	-	3	
CIV 505	Hydrology & Water Resources Engineering	3	-	-	3	
CIV 506	Environmental Engineering – I	3	-	-	3	
CIV 507	Transportation Engineering	3	-	-	3	
CIV 522	Hydraulic Engineering Lab	-	-	2	1	
CIV 524	Geotechnical Engineering Lab	-	-	2	1	
CIV 527	Transportation Engineering Lab	-	-	2	1	
BCU 541	Communication Skills – V	1	-	-	1	
BSU 543	Behavioural Science – V	1	-	-	1	
FLU 544	French– V	2	-	-	2	
NPT 550	Industrial Practical Training I (Evaluation)	-	-	-	3	
TOTAL CREDIT (Including CBCS)					28	


Director-ASET
Amity University Madhya Pradesh Gwalior


Registrar
Amity University Madhya Pradesh
Gwalior

B.Tech CE 2021-25 (Based on AICTE)

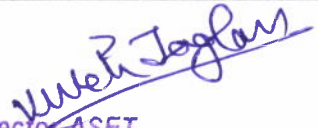
SIXTH SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No
CIV 601	Construction Engineering & Management	2	1	-	3	
CIV 602	Geometric Design of Highways	3	-	-	3	
CIV 603	Environmental Engineering – II	3	-	-	3	
CIV 604	Estimating and Costing	2	-	-	2	
CIV 622	Geometric Design of Highways Lab	-	-	2	1	
CIV 623	Environmental Engineering Lab	-	-	2	1	
CIV 624	Estimating and Costing Lab	-	-	2	1	
ELECTIVES (Any one from following with Practical)					4	
CIV 605	River Engineering	3	-	-	-	
CIV 606	Open Channel Flow	3	-	-	-	
CIV 607	Solid and Hazardous Waste Management	3	-	-	-	
CIV 625	River Engineering Lab	-	-	2	-	
CIV 626	Open Channel Flow Lab	-	-	2	-	
CIV 627	Solid and Hazardous Waste Management Lab	-	-	2	-	
BCH 620	Engineering Economics	2	1		3	
BCU 641	Communication Skills – VI	1	-	-	1	
BSU 643	Behavioural Science – VI	1	-	-	1	
FLU 644	French- VI	2	-	-	2	
NMP 660	Minor Project	-	-	-	2	
TOTAL CREDIT					27	

Usha R. Jaiswal
 Director-ASET
 Amity University Madhya Pradesh Gwalior

Chaitan
 Registrar
 Amity University Madhya Pradesh
 Gwalior

B.Tech CE 2021-25 (Based on AICTE)

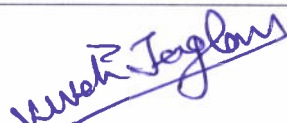
SEVENTH SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No
CIV 701	Design of Concrete Structures	3	1	-	4	
ELECTIVES (Any one from each category) A. (With Practical)					4	
CIV 702	Surface Hydrology	3	-	-	-	
CIV 703	Water Resources Field Methods	3	-	-	-	
CIV 704	Environmental Fluid Mechanics	3	-	-	-	
CIV 722	Surface Hydrology Lab	-	-	2	-	
CIV 723	Water Resources Field Methods Lab	-	-	2	-	
CIV 724	Environmental Fluid Mechanics Lab	-	-	2	-	
ELECTIVES (Any one from each category) B. (Without Practical)					3	
CIV 705	Concrete Technology	3	-	-	-	
CIV 706	Pres-Stressed Concrete	3	-	-	-	
CIV 707	Masonry Structures	3	-	-	-	
CIV 406	Disaster Preparedness & Planning	3	-	-	-	
NPT 750	Industrial Practical Training-II (Evaluation)	-	-	-	5	
NMP 760	Major Project – I	-	-	-	6	
TOTAL CREDIT					22	


Director-ASET
 Amity University Madhya Pradesh Gwalior


Registrar
 Amity University Madhya Pradesh
 Gwalior

B.Tech CE 2021-25 (Based on AICTE)

EIGHTH SEMESTER						
Course Code	Course Title	Lecture (L) Hours Per week	Tutorial (T) Hours Per week	Practical (P) Hours Per week	Total Credits	Page No
CIV 801	Design of Steel Structures	3	1	-	4	
CIV 802	Airport Planning and Design	3	-	-	3	
ELECTIVES (Any one from following with Practical)					4	
CIV 803	Foundation Engineering	3	-	-	-	
CIV 804	Structural Geology	3	-	-	-	
CIV 805	Rock Mechanics	3	-	-	-	
CIV 806	Earthquake Resistant Design of Buildings	3	-	-	-	
CIV 823	Foundation Engineering Lab	-	-	2	1	
CIV 824	Structural Geology Lab	-	-	2	1	
CIV 825	Rock Mechanics Lab	-	-	2	1	
CIV 826	Non-Destructive testing Lab	-	-	2	1	
NMP 860	Major Project – II	-	-	-	9	
TOTAL CREDIT					20	


Director-ASET
Amity University Madhya Pradesh Gwalior


Registrar
Amity University Madhya Pradesh
Gwalior

**Bachelor of Technology
(Civil Engineering)**


Programme Code: CIV

Duration – 4 Years Full Time

OVERALL CREDIT

Sr. No.	Semester	No. of Credits	No. of Hours
1	I	28	33
2	II	29	34
3	III	32	32
4	IV	29	34
5	V	32	32
6	VI	28	29
7	VII	22	12
8	VIII	20	12
Total Credits		220	218


Director-ASET
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Registrar
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