

BIM COURSE CATALOGUE

BIMLABS ENGINEERING SERVICES PVT. LTD



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About BIMLABS

BIMLABS Engineering Services Pvt. Ltd, having a registered office in Kazhakkootam, Thiruvananthapuram providing Training, Implementation & Placement Services in Building Information Modeling.

Address: 2nd Floor, E.K Complex, Main Road, Kazhakkootam, Thiruvananthapuram 695582.

Branch Office: 2nd Floor, Plamoottil House, Kaloor- Kadavanthra Road, Kochi-17

Franchise: Karamana, Thiruvananthapuram

Satellite Center: Kozhikode

Business Divisions

- **Finishing School**
 - CAD | BIM | CAM| CAE Courses
 - Technology Training with Project Internship & Soft skill Training
- **BIM Studio**
 - CAD| BIM Design & Documentation Projects
 - BIM Implementation
- **Bridge**
 - CAD | BIM Placement Services
 - Tied up with key AEC firms in south India
 - Placed over 60 students in last 2 years.

Authorizations

- **Autodesk**
 - Authorized Learning Partner
 - Authorized Training Center
 - Authorized Academic Adoption Partner
- **Certiport**
 - Testing Center
- **Indian Green Building Council**
 - Registered Education Institute

Industry associations

- Arth Design Build Hyderabad as Capacity Building Partner
- Tridax Engineering Software solutions, Ernakulam
- YSC Engineering Services Pvt. Ltd Techno park Trivandrum as Training & Internship Partner
- Intimate Machines Trivandrum as Training & Internship Partner

Training Tie Ups

- Govt. ITI Attingal
- Providence College of Engineering Chengannur.
- Trinity College of Engineering
- Govt. ITI for women Kazhakkootam
- Govt. ITI Chackai
- Vimal Jyothi Engineering College, Kannur
- Muthoot Institute of Technology & Science
- ACE College of Engineering Trivandrum

Corporate Trainings

- Stapati Calicut
- L & T Chennai

Faculty Development Programs

- NIT Calicut
- CUSAT School of Engineering
- TOC- H College of Engineering
- Mohandas College of Engineering

Placement Partners

- Arth Design Build Hyderabad
- Al Adrak Oman
- Robert Constructions
- Attitude Architects
- YSC Engineering Services Pvt. Ltd
- Padhok interiors
- I Matrix Kinfra Etc.
- Popular Engineering Services Pvt. Ltd.

List of Placed Students

SL NO	NAME OF CANDIDATE	DISCIPLINE	COLLEGE	COMPANY & LOCATION
1	AKSHAY	MECHANICAL	RAJADHANI	YSC ENGINEERING TECHNOPARK TRIVANDRUM
2	SANGEETH	CIVIL	VIDYA ACADEMY	PRIEDMANN COCHIN
3	VIJIN	MECHANICAL	ITI CHACKAI	I MATRIX KINFRA KAZHAKKOOTTAM
4	VISHNU	ELECTRICAL	NARAYANA GURU	AL CANARY LLC DUBAI
5	SUBUHANA	ARCHITECTURAL	NSTI-W KZM	BOND BUILDERS
6	MAHESH	CIVIL	YOUNUS COLLEGE	ATTITUDE ARCHITECTS TRIVANDRUM
7	ATHIRA	CIVIL	RAJADHANI	ATTITUDE ARCHITECTS TRIVANDRUM
8	REEBA VARGHEES	CIVIL	RAJADHANI	ATTITUDE ARCHITECTS TRIVANDRUM
9	ABHIJITH	CIVIL	VIDYA ACADEMY	YSC ENGINEERING TECHNOPARK TRIVANDRUM
10	NABIN SHAH	MECHANICAL	MUSALIAR	YSC ENGINEERING TECHNOPARK TRIVANDRUM
11	MOHAMMED NISHAD	CIVIL	ITI NANAVANAM	PADHOK INTERIORS
12	SRUTHY	ARCHITECTURAL	NSTI-W KZM	PADHOK INTERIORS
13	GOUTHAM	MECHANICAL	ITI ATTINGAL	I MATRIX KINFRA KAZHAKKOOTTAM
14	SANIJA	ARCHITECTURAL	NSTI-W KZM	HENNA CONSTRUCTIONS
15	JASIRA	ARCHITECTURAL	NSTI-W KZM	HENNA CONSTRUCTIONS
16	AKHIL	CIVIL	ITI ATTINGAL	I MATRIX KINFRA KAZHAKKOOTTAM
17	RESHMA M G	ARCHITECTURAL	NSTI-W KZM	TRIONE BUILDERS
18	GANESH KUMAR	MECHANICAL	ITI ATTINGAL	YSC ENGINEERING TECHNOPARK TRIVANDRUM
19	LEKSHMI	ARCHITECTURAL	NSTI-W KZM	YSC ENGINEERING TECHNOPARK TRIVANDRUM
20	RAHUL RAJ	CIVIL	CUSAT KIDANGOOR	BIMLABS

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21	SAMEERA SALIM	CIVIL	JOHN COX	BIMLABS
22	JASMINE JOHNSON	CIVIL	TRINITY	AL ADRAK LLC OMAN
23	RESHMA NAIR R L	CIVIL	TRINITY	AL ADRAK LLC OMAN
24	ANGEL SUNNY SARONE	CIVIL	TRINITY	AL ADRAK LLC OMAN
25	SUKANYA	CIVIL	TRINITY	AL ADRAK LLC OMAN
26	NANDHU	MECHANICAL	TRINITY	AL ADRAK LLC OMAN
27	NIRMAL BOSE	MECHANICAL	TRINITY	AL ADRAK LLC OMAN
28	DIVYA DAS	CIVIL	ANNA UNIVERSITY	ARTH DESIGN BUILD
29	SILPA ABRAHAM	CIVIL	AISAT	ARTH DESIGN BUILD
30	SREEDHANYA CHANDRAN	CIVIL	TOC-H	ARTH DESIGN BUILD
31	ELDHO RAJU	CIVIL	MUTHOOT	ARTH DESIGN BUILD
32	THRUPHTY	CIVIL	RVTI KZM	BIMLABS
33	ANANTHU	MECHANICAL	SCT COLLEGE	ARTH DESIGN BUILD
34	VAISHNAVI	MECHANICAL	SCT COLLEGE	ARTH DESIGN BUILD
35	JAISON P RAJU	MECHANICAL	PROVIDENCE COLLEGE	ARTH DESIGN BUILD
36	GOKUL NATH	CIVIL	PROVIDENCE COLLEGE	ARTH DESIGN BUILD
37	ANISHKA	CIVIL	MUTHOOT	BIMLABS
38	JIBIN	MECHANICAL	SCT COLLEGE	BIMLABS
39	AROMAL	CIVIL	VIDYA COLLEGE	BIMLABS
40	SOJA	CIVIL	VIDYA COLLEGE	BIMLABS
41	ADARSH	MECHANICAL	SCT COLLEGE	BIMLABS
42	JELVIN SAM SHAJI	CIVIL	PROVIDENCE COLLEGE	ARTH DESIGN BUILD
43	ARJUN V. S	CIVIL	MUTHOOT	ARTH DESIGN BUILD

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44	ALTHAF A. S	CIVIL	AJ ITI	STYLE WOOD
45	VIJIN	MECHANICAL	Govt. ITI Chackai	I MATRICS
46	SAJIN	MECHANICAL	GOVT. ITI ATTINGAL	UAE
47	MARIA MOL MATHEW	CIVIL	VISWAJYOTHI	STUBA Constructions
48	NOURIN SHAH	CIVIL	KMEA College	CAD International
49	SRUTHI	CIVIL	TRINITY COLLEGE	TECHNO STRCUTRE
50	SILPA NAIR	CIVIL	TRINITY COLLEGE	BIMEX
51	ASIF	CIVIL	P A AZIZ COLLEGE	ROBERT CONSTRUCTIONS
52	THERESA JOSEPH	CIVIL	VIMAL JYOTHI KANNUR	ROBERT CONSTRUCTIONS
53	MANJUSHA U	CIVIL	MUSALIAR COLLEGE	YSC ENGINEERING
54	SHERIN NASAR	CIVIL	THEJUS ENGINEERING	DDG BIM SERVICES
55	SWATHI SAJEEV	CIVIL	THEJUS ENGINEERING	DDG BIM SERVICES
56	ARUN JOHNY	CIVIL	REC COLLEGE	DDG BIM SERVICES
57	SHILPA P NAIR	CIVIL	TRINITY COLLEGE	BIMEX
58	ANAGHA RAJEEV	CIVIL	VIMAL JYOTHI	DDG BIM SERVICES
59	AMEEN ARIF	CIVIL	TOC-H COLLEGE	DDG BIM SERVICES
60	AKHIL ASHOKAN	CIVIL		DDG BIM SERVICES
61	JOHN DAVIS	MECHANICAL	ANNA UNIVERSITY	DDG BIM SERVICES
62	SREERAM	CIVIL	PROVIDENCE COLLEGE	DDG BIM SERVICES

MASTER IN BIM

OVERVIEW:

Master in BIM Program covers the entire Building information Modeling modules which caters the theme of Plan, Design, Build & Operation of a Building. The course is designed as 6 phases with 31 modules and 67 course assessments. Course offer 690 hours of Project oriented training and 3 months project internship with 100% placement assistance.

COURSE OUTCOME:

After the successful completion of the course requirements, the student will obtain a thorough idea about Building Information Modeling workflow and Process. The course will prepare them to achieve the required skillsets of BIM modeler and that can lead to higher profiles like BIM coordinator & BIM Manager in future.

COURSE DETAILS:

COURSE NAME		MASTER IN BIM	
Course period	6 months (690 hours)	No of Phases	06
Internship	3 Months	No of Modules	31
Total Duration	9 months	No of Assessments	67
Academic Qualification	Diploma /Degree in Arch, Civil, Mechanical or Electrical		
Key software used	AutoCAD, Revit Architecture, 3DS MAX, Sketchup, Formit 360, Revit Structure, STAAD Pro., Revit Steel, Advance Steel, Revit MEP, Inventor, Navisworks, Primavera, Dynamo, Infracore, Civil 3D, Recap, BIM 360		
Eligibility	Score minimum 20 marks in BIM ENTRANCE		

COURSE MODULES

MODULE	MODULE NAME	DURATION	KEY TOOLS
# 01	ARCHITECTURAL DESIGN & DOCUMENTATION	214	
1	2D CAD DOCUMENTATION	60	AUTOCAD
2	ARCHITECTURAL MODELING	32	REVIT
3	LANDSCAPING	4	REVIT
4	DOCUMENTATION	28	REVIT

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5	ESTIMATION	10	REVIT
6	CONSTRUCTION MODELING	12	REVIT
7	VISUALIZATION	68	REVIT, 3DS MAX
# 02	STRUCTURAL DESIGN & DOCUMENTATION	106	
8	MULTI-DISCIPLINARY COORDINATION	5	REVIT
9	STRUCTURAL MODELING	14	REVIT
10	STRUCTURAL ANALYSIS	36	STAAD PRO/ ETABS
11	STRUCTURAL DETAILING	29	REVIT
12	STEEL STRUCTURE - MODELING	12	REVIT
13	STEEL STRUCTURE - DETAILING	10	ADVANCE STEEL
# 03	MEP DESIGN & DOCUMENTATION	100	
14	MEP MODELLING	56	REVIT
15	MEP DOCUMENTATION	11	REVIT
16	MEP FABRICATION	23	FABRICATION SUITE
17	MECHANICAL 3D MODELING	10	INVENTOR
# 04	CONSTRUCTION PLANNING & MANAGEMENT	100	
18	PROJECT REVIEW & CLASH DETECTION	23	NAVISWORKS
19	QUANTIFICATION	6	NAVISWORKS
20	PROJECT MANAGEMENT	34	PRIMAVERA
21	4D SIMULATION	6	NAVISWORKS
22	WORK-SHARING	4	REVIT
23	CONNECTED BIM	27	BIM 360
# 05	CONCEPTUAL & GENERATIVE DESIGN	100	
24	CONCEPTUAL MODELING	42	FORMIT 360
25	ENERGY ANALYSIS	6	REVIT, INSIGHT
26	ADVANCE FAMILY MODELING	26	REVIT
27	VISUAL PROGRAMING & GENERATIVE DESIGN	26	DYNAMO
# 06	INFRASTRUCTURE & PLANT DESIGN	70	
28	SCAN TO BIM	10	RECAP
29	INFRASTRUCTURE PLANNING	20	INFRAWORKS 360
30	INFRASTRUCTURE DESIGN	20	CIVIL 3D
31	PLANT DESIGN	20	REVIT

PROFESSIONAL IN BIM- CIVIL

OVERVIEW:

Professional in BIM- Civil Program covers entire Building Information Modeling modules except Mechanical Electrical & Plumbing related modules. Civil & Architectural Engineering Students who are not interested in MEP modules of Master in BIM can choose this program, the course is designed as 5 phases with 26 modules and 53 course assessments. Course offer 560 hours of Project oriented training and 1 month's project internship with 100% placement assistance.

COURSE OUTCOME:

After the successful completion of the course requirements, the student will obtain a thorough idea about Arch, Structural & Civil Engineering areas of Building Information Modeling workflow and Process. The course will prepare them to achieve the required skillsets of BIM modeler and that can lead to higher profiles like BIM coordinator & BIM Manager in future.

COURSE DETAILS:

COURSE NAME		PROFESSIONAL IN BIM	
Course Period	560 Hours	No of phases	05
Internship	1 Month	No of Modules	26
Total Duration	6 Months	No of Assessments	53
Academic Qualification	Diploma /Degree in Architecture or Civil Engineering.		
Key software used	AutoCAD, Revit, 3Ds Max, Formit, Sketch Up, Primavera, STAAD Pro, BIM 360, Dynamo, Recap, Infracore, Civil 3D		

COURSE MODULES

Module No	Module Name	Duration
# 01	ARCHITECTURAL DESIGN & DOCUMENTATION	214
1	2D CAD DOCUMENTATION	60
2	ARCHITECTURAL MODELING	32
3	LANDSCAPING	4

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4	DOCUMENTATION	28
5	ESTIMATION	10
6	CONSTRUCTION MODELING	12
7	VISUALIZATION	68
# 02	STRUCTURAL DESIGN & DOCUMENTATION	106
8	MULTI-DISCIPLINARY COORDINATION	5
9	STRUCTURAL MODELING	14
10	STRUCTURAL ANALYSIS	36
11	STRUCTURAL DETAILING	29
12	STEEL STRUCTURE - MODELING	12
13	STEEL STRUCTURE - DETAILING	10
# 03	CONSTRUCTION PLANNING & MANAGEMENT	88
14	PROJECT REVIEW & CLASH DETECTION	11
15	QUANTIFICATION	6
16	PROJECT MANAGEMENT	34
17	4D SIMULATION	6
18	WORK-SHARING	5
19	CONNECTED BIM	26
# 04	CONCEPTUAL & GENERATIVE DESIGN	102
20	CONCEPTUAL MODELING	44
21	ENERGY ANALYSIS	6
22	ADVANCE FAMILY MODELING	26
23	VISUAL PROGRAMING & GENERATIVE DESIGN	26
# 05	INFRASTRUCTURE & PLANT DESIGN	50
24	SCAN TO BIM	10
25	INFRASTRUCTURE PLANNING	20
26	INFRASTRUCTURE DESIGN	20

PROFESSIONAL IN BIM- MEP

OVERVIEW

Professional in BIM- MEP Program covers Entire Master in BIM Modules Except Structural & Civil engineering related modules of Building information Modeling. Mechanical & Electrical Engineering students who are not interested in Civil Topics can choose this program. The course is designed as 4 phases with 23 modules and 50 course assessments. Course offer 420 hours of Project oriented training and 1 month's project internship with 100% placement assistance.

COURSE OUTCOME:

After the successful completion of the course requirements, the student will obtain a thorough idea about Mechanical Electrical & Plumbing areas of Building Information Modeling workflow and Process. The course will prepare them to achieve the required skillsets of BIM modeler and that can lead to higher profiles like BIM coordinator & BIM Manager in future.

COURSE NAME		PROFESSIONAL IN BIM- MEP	
Course period	420 hours	No of Phases	04
Internship	1 Month	No of Modules	23
Total Duration	5 Months	No of Assessments	50
Academic Qualification	Diploma /Degree in Mechanical or Electrical		
Key Tools	AutoCAD, Revit, Formit, Primavera, BIM 360, Dynamo, Recap, Infracore, Civil 3D, Inventor		
Key software used	AutoCAD, Revit Architecture, Revit Structure, STAAD Pro.,		
COURSE MODULES			
Module No	Module Name		Duration
1	ARCHITECTURAL DESIGN & DOCUMENTATION		143
1	2D CAD DOCUMENTATION		48
2	ARCHITECTURAL MODELING		31
3	LANDSCAPING		4

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4	DOCUMENTATION	28
5	ESTIMATION	10
6	CONSTRUCTION MODELING	12
7	VISUALIZATION	10
2	MEP DESIGN & DOCUMENTATION	132
8	MULTI-DISCIPLINARY COORDINATION	7
9	ENERGY ANALYSIS	9
10	MEP MODELLING	48
11	MEP DOCUMENTATION	15
12	MEP FABRICATION	23
13	MECHANICAL 3D MODELING	10
14	PLANT DESIGN	20
3	CONSTRUCTION PLANNING & MANAGEMENT	83
15	PROJECT REVIEW & CLASH DETECTION	12
16	QUANTIFICATION	6
17	PROJECT MANAGEMENT	34
18	4D SIMULATION	6
19	WORK-SHARING	5
20	CONNECTED BIM	20
4	CONCEPTUAL & GENERATIVE DESIGN	62
21	CONCEPTUAL MODELING	10
22	ADVANCE FAMILY MODELING	26
23	VISUAL PROGRAMING & GENERATIVE DESIGN	26

ARCHITECTURAL BIM

OVERVIEW

Architectural BIM is designed by grouping required modules of an Architecture BIM modeler to perform his role in Building information Modeling. The course contains 14 modules and 32 course assessments, and it takes 340 hours to complete the course. One-month internship will be provided to interested students.

COURSE OUTCOME

After successful completion of Architectural BIM, the student will get a clear knowledge about role of architectural BIM modeler from conceptual design to advanced visual programming.

COURSE NAME		ARCHITECTURAL BIM	
Course period	340 hours	No of Phases	01
Internship	1 Month	No of Modules	14
Total Duration	4 Months	No of Assessments	32
Academic Qualification	Diploma /Degree in Architecture or Civil Engineering		
Key software used	AutoCAD, Revit, 3DS Max, Formit, Sketch Up, Dynamo, Recap		

COURSE MODULES

Module No	Module Name	Duration
# 01	ARCHITECTURAL BIM	340
1	2D CAD DOCUMENTATION	60
2	ARCHITECTURAL MODELING	32
3	LANDSCAPING	4
4	DOCUMENTATION	28
5	ESTIMATION	10
6	CONSTRUCTION MODELING	12

7	VISUALIZATION	68
8	CONCEPTUAL MODELING	44
9	ADVANCE FAMILY MODELING	26
10	VISUAL PROGRAMING & GENERATIVE DESIGN	26
11	MULTI-DISCIPLINARY COORDINATION	5
12	ENERGY ANALYSIS	10
13	WORK-SHARING	5
14	SCAN TO BIM	10

STRUCTURAL BIM

OVERVIEW

Structural BIM is designed by grouping required modules of an structural BIM modeler to perform his role in Building information Modeling. The course contains 19 modules and 41 course assessments, and it takes 340 hours to complete the course. One-month internship will be provided to interested students.

COURSE OUTCOME

After successful completion of Structural BIM, the student will get a clear knowledge about role of structural BIM modeler through various structural design process including modeling, analysis, design & detailing.

COURSE DETAILS

COURSE NAME		STRUCTURAL BIM	
Course period	340 hours	No of Phases	01
Internship	1 Month	No of Modules	19
Total Duration	4 Months	No of Assessments	41
Prerequisite	Diploma /Degree in Civil Engineering		
Key software used	AutoCAD, Revit, STAAD Pro, Dynamo, Recap		

COURSE MODULES

Module No	Module Name	Duration
# 01	STRUCTURAL BIM	340
1	2D CAD DOCUMENTATION	44
2	ARCHITECTURAL MODELING	32
3	LANDSCAPING	4
4	DOCUMENTATION	28
5	ESTIMATION	10
6	CONSTRUCTION MODELING	12
7	VISUALIZATION	16
8	MULTI-DISCIPLINARY COORDINATION	5
9	STRUCTURAL MODELING	14
10	STRUCTURAL ANALYSIS	36
11	STRUCTURAL DETAILING	29
12	STEEL STRUCTURE - MODELING	12
13	STEEL STRUCTURE - DETAILING	14
14	PROJECT REVIEW & CLASH DETECTION	11
15	QUANTIFICATION	6
16	WORK-SHARING	5
17	ADVANCE FAMILY MODELING	26
18	VISUAL PROGRAMING & GENERATIVE DESIGN	26
19	SCAN TO BIM	10

CONSTRUCTION MANAGEMENT IN BIM

OVERVIEW

Construction management in BIM is a package covering construction modeling, project management & construction Management modules of BIM. It covers the parametric BIM modeling of Architectural & structural elements, its estimation, documentation, project planning, cloud enabled construction & post construction process. Course contains 15 modules, 32 course assessments with a duration of 240 hours.

COURSE OUTCOME

After successful completion of Construction Management in BIM, the student will get a clear knowledge about the application of BIM in construction & Post construction process. Student can grab the position of Jr. BIM modeler and which can lead to project engineer or planning engineer.

COURSE NAME		CONSTRUCTION MANAGEMENT IN BIM	
Course period	240 hours	No of Phases	01
Internship	NA	No of Modules	15
Total Duration	3 Months	No of Assessments	32
Prerequisite	Diploma /Degree in Arch, Civil Engineering		
Key software used	Revit, Primavera, Navisworks, BIM 360.		

COURSE MODULES

Module No	Module Name	Duration
# 01	CONSTRUCTION MANAGEMENT IN BIM	240
1	ARCHITECTURAL MODELING	32
2	LANDSCAPING	4
3	DOCUMENTATION	28
4	ESTIMATION	10
5	CONSTRUCTION MODELING	12
6	VISUALIZATION	16
7	MULTI-DISCIPLINARY COORDINATION	5

8	STRUCTURAL MODELING	14
9	STRUCTURAL DETAILING	29
10	PROJECT REVIEW & CLASH DETECTION	11
11	QUANTIFICATION	6
12	PROJECT MANAGEMENT	34
13	4D SIMULATION	6
14	WORK-SHARING	5
15	CONNECTED BIM	28

ESSENTIALS OF ARCHITECTURAL BIM

OVERVIEW

Essentials of Architectural BIM is a customized package covering the most basic modules of Architectural BIM focusing on Architectural modeling & detailing . The course is designed for addressing students from Industrial Training Institute & polytechnics

COURSE OUTCOME

After successful completion of Essentials of Architectural BIM, the student will achieve the skill sets of a BIM/ Revit Modeler or Detailer.

COURSE NAME		ESSENTIALS OF ARCHITECTURAL BIM	
Course period	240 hours	No of Phases	01
Internship	NA	No of Modules	8
Total Duration	3 Months	No of Assessments	19
Academic Qualification	ITI/ Diploma /Degree in Architecture, Civil Engineering		
Key software used	AutoCAD, Revit, Formit, Sketch Up, 3DS Max		

KEY TOPICS

Module No	Module Name	Duration
# 01	ESSENTIALS OF ARCHITECTURAL BIM	240
1	2D CAD DOCUMENTATION	60
2	ARCHITECTURAL MODELING	32
3	LANDSCAPING	4
4	DOCUMENTATION	28
5	ESTIMATION	10
6	CONSTRUCTION MODELING	12
7	VISUALIZATION	68
8	CONCEPTUAL MODELING	26

ESSENTIALS OF MEP BIM

OVERVIEW

Essentials of MEP BIM is a customized package covering the most basic modules of MEP Design in BIM focusing on MEP modeling & detailing. The course is designed for addressing students from Industrial Training Institute & polytechnics

COURSE OUTCOME

After successful completion of Essentials of MEP BIM, the student will achieve the skill sets of a BIM/ Revit Modeler or Detailer.

COURSE NAME		ESSENTIALS OF MEP BIM	
Course period	240 hours	No of Phases	01
Internship	NA	No of Modules	14
Total Duration	3 Months	No of Assessments	34
Academic Qualification	ITI/ Diploma /Degree in Mechanical & Electrical Engineering		
Key software used	AutoCAD, Revit, Navisworks.		

COURSE MODULES

Module No	Module Name	Duration
# 01	ESSENTIALS OF MEP BIM	240
1	2D CAD DOCUMENTATION	48
2	ARCHITECTURAL MODELING	27
3	DOCUMENTATION	28
4	ESTIMATION	10
5	CONSTRUCTION MODELING	12
6	VISUALIZATION	7
7	MULTI DISCIPLINARY COORDINATION	7
8	ENERGY ANALYSIS	9
9	MEP MODELLING	48
10	MEP DOCUMENTATION	11
11	MEP FABRICATION	11
12	WORK-SHARING	4
13	PROJECT REVIEW & CLASH DETECTION	12
14	4D SIMULATION	6

BIM FOR INFRASTRUCTURE

OVERVIEW

BIM for Infrastructure is a customized package covering the basic modules of Infrastructure Design in BIM. Key topics are Infrastructure planning, detailing etc.

COURSE OUTCOME

After successful completion of BIM for Infrastructure, the student will achieve the skill sets of a BIM modeler for Infrastructure Projects.

COURSE NAME		BIM FOR INFRASTRUCTURE	
Course period	240 hours	No of Phases	01
Internship	NA	No of Modules	15
Total Duration	3 Months	No of Assessments	26
Prerequisite	Diploma /Degree in Architecture or Civil Engineering		
Key software used	AutoCAD, Revit, Formit, Dynamo, Recap, Infraworks, Civil 3D		

COURSE MODULES

Module No	Module Name	Duration
#01	BIM FOR INFRASTRUCTURE	240
1	2D CAD DOCUMENTATION	44
2	ARCHITECTURAL MODELING	32
3	LANDSCAPING	4
4	DOCUMENTATION	28
5	ESTIMATION	10
6	CONSTRUCTION MODELING	12
7	VISUALIZATION	16
8	MULTI-DISCIPLINARY COORDINATION	5
9	WORK-SHARING	5
10	CONCEPTUAL MODELING	6
11	ENERGY ANALYSIS	2
12	VISUAL PROGRAMING & GENERATIVE DESIGN	26
13	SCAN TO BIM	10
14	INFRASTRUCTURE PLANNING	20
15	INFRASTRUCTURE DESIGN	20

BIM FOR PLANT DESIGN

OVERVIEW

BIM for Plant design is a customized package covering the basic modules of plant Design in BIM using Revit.

COURSE OUTCOME

After successful completion of BIM for Plant design, the student will be proficient in Plant design modules in Revit.

COURSE MODULES

COURSE NAME		BIM FOR PLANT DESIGN	
Course period	240 hours	No of Phases	01
Internship	NA	No of Modules	15
Total Duration	3 Months	No of Assessments	30
Prerequisite	Diploma /Degree in Mechanical Engineering		
Key software used	AutoCAD, Revit, Dynamo, Inventor.		

KEY TOPICS

Module No	Module Name	Duration
# 01	BIM FOR PLANT DESIGN	240
1	01- 2D CAD DOCUMENTATION	50
2	02- ARCHITECTURAL MODELING	12
3	03-LANDSCAPING	4
4	04-DOCUMENTATION	28
5	05-ESTIMATION	6
6	06- CONSTRUCTION MODELING	7
7	07-VISUALIZATION	5
8	08-WORK-SHARING	5
9	09-MULTI-DISCIPLINARY COORDINATION	4
10	10-MEP MODELLING	36
11	11. MEP DOCUMENTATION	10
12	12-MECHANICAL 3D MODELING	10
13	13-PLANT DESIGN	23
14	14-ADVANCE FAMILY MODELING	14
15	15-VISUAL PROGRAMING & GENERATIVE DESIGN	26

BIMLABS COURSE CATALOGUE



MODULE NO	MODULE NAME	Master in BIM	Professional in BIM- Civil	Professional in BIM- MEP	Arch BIM	STRL BIM	Const. Mgmt. BIM	Essentials of ARCH BIM	Essentials of MEP BIM	BIM for Infra	BIM for Plant design
1	2D CAD Documentation	•	•	•	•	•		•	•	•	•
2	Architectural Modeling	•	•	•	•	•	•	•	•	•	•
3	Landscaping	•	•	•	•	•	•	•	•	•	•
4	Documentation	•	•	•	•	•	•	•	•	•	•
5	Estimation	•	•	•	•	•	•	•	•	•	•
6	Construction Modeling	•	•	•	•	•	•	•	•	•	•
7	Visualization	•	•	•	•	•	•	•	•	•	•
8	Multi-Disciplinary Coordination	•	•	•	•	•	•		•	•	•
9	Structural Modeling	•	•			•	•				
10	Structural Analysis	•	•			•					
11	Structural Detailing	•	•			•	•				
12	Steel Structure - Modeling	•	•			•					
13	Steel Structure - Detailing	•	•			•					
14	MEP Modelling	•		•					•		•
15	MEP Documentation	•		•					•		•
16	MEP Fabrication	•		•					•		
17	Mechanical 3D Modeling	•		•							•
18	Project Review & Clash Detection	•	•	•		•	•		•		
19	Quantification	•	•	•		•	•				
20	Project Management	•	•	•			•				
21	4D Simulation	•	•	•			•		•		
22	Work-Sharing	•	•	•	•	•	•		•	•	•
23	Connected BIM	•	•	•			•				
24	Conceptual Modeling	•	•		•			•		•	
25	Energy Analysis	•	•	•	•					•	
26	Advance Family Modeling	•	•	•	•	•					•
27	Visual Programing & Generative Design	•	•	•	•	•				•	•
28	Scan To BIM	•	•	•	•	•				•	
29	Infrastructure Planning	•	•							•	
30	Infrastructure Design	•	•							•	
31	Plant Design	•		•							•

BIMLABS COURSE CATALOGUE



FEE – PER MODULE

MODULE NO	MODULE NAME	DURATION	MODULE FEE
# 01	ARCHITECTURAL DESIGN & DOCUMENTATION	214 Hours.	
1	2D CAD DOCUMENTATION	60	11000/-
2	ARCHITECTURAL MODELING	32	6000/-
3	LANDSCAPING	4	1000/-
4	DOCUMENTATION	28	6000/-
5	ESTIMATION	10	3500/-
6	CONSTRUCTION MODELING	12	2500/-
7	VISUALIZATION	68	12500/-
# 02	STRUCTURAL DESIGN & DOCUMENTATION	106 Hours	
8	MULTI-DISCIPLINARY COORDINATION	5	1000/-
9	STRUCTURAL MODELING	14	3500/-
10	STRUCTURAL ANALYSIS	36	7000/-
11	STRUCTURAL DETAILING	29	6000/-
12	STEEL STRUCTURE - MODELING	12	4000/-
13	STEEL STRUCTURE - DETAILING	10	4000/-
# 03	MEP DESIGN & DOCUMENTATION	100 Hours	
14	MEP MODELLING	56	10000/-
15	MEP DOCUMENTATION	11	3000/-
16	MEP FABRICATION	23	5000/-
17	MECHANICAL 3D MODELING	10	25000/-
# 04	CONSTRUCTION PLANNING & MANAGEMENT	100 hours	
18	PROJECT REVIEW & CLASH DETECTION	23	4500/-
19	QUANTIFICATION	6	2000/-
20	PROJECT MANAGEMENT	34	7500/-
21	4D SIMULATION	6	2000/-

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22	WORK-SHARING	4	1000/-
23	CONNECTED BIM	27	8000/-
# 05	CONCEPTUAL & GENERATIVE DESIGN	70 hours	
24	CONCEPTUAL MODELING	42	8000/-
25	ENERGY ANALYSIS	6	2500/-
26	ADVANCE FAMILY MODELING	26	10,000/-
27	VISUAL PROGRAMING & GENERATIVE DESIGN	26	10,000/-
# 06	INFRASTRUCTURE & PLANT DESIGN	70 hours	
28	SCAN TO BIM	10	3000/-
29	INFRASTRUCTURE PLANNING	20	6000/-
30	INFRASTRUCTURE DESIGN	20	6000/-
31	PLANT DESIGN	20	6000/-

COURSE FEE

SL NO	COURSE NAME	Course Duration	Internship Duration	Total Duration	Course Fee
1	Master in BIM	690 Hours	3 Months	9 Months	1.35,000/-
2	Professional in BIM- Civil	560 Hours	1 month	6 months	1,10,000/-
3	Professional in BIM- MEP	420 Hours	1 Month	6 months	80,000/-
4	Structural BIM	340 Hours	1 Month	4 months	65,000/-
5	Architectural BIM	340 Hours	1 Month	4 months	65,000/-
6	Construction Management in BIM	240 Hours	NA	3 months	40,000/-
7	Infrastructure BIM	240 Hours	NA	3 months	40,000/-
8	Essentials of Architectural BIM	240 Hours	NA	3 months	45,000/-
9	Essentials of MEP BIM	240 Hours	NA	3 months	40,000/-
10	BIM for plant design	240 Hours	NA	3 months	40,000/-

All fee mentioned above is for an individual student for undergoing training at BIMLABS Institute. For Onsite trainings (Educational & corporate) Modules and commercials shall be customized according to the client requirements.