



**BIRLA INSTITUTE OF TECHNOLOGY**  
**MESRA, RANCHI – 835215, INDIA**  
**Course Structure Session - 2016**  
**UNDERGRADUATE (Full Time)**

Program : **BACHELOR OF ARCHITECTURE**

Branch : **BACHELOR OF ARCHITECTURE**

Semester : 1

Total Credits: 27

<b>Subject Code</b>	<b>Subject Title</b>	<b>Credit</b>
AR1301	PRINCIPLES OF ARCHITECTURE	3.00
AR1303	PRIMARY BUILDING MATERIALS	3.00
AR1305	HISTORY OF INDIAN ARCHITECTURE	3.00
MA1105	MATHEMATICS FOR ARCHITECTS	3.00
HU1101	TECHNICAL ENGLISH	3.00
AR1304	DESCRIPTIVE GEOMETRY	4.00
CS1302	FUNDAMENTAL OF UNIX & C PROGRAMMING	3.00
<b>Activity</b>	<b>( CHOICE FOR ONLY ONE )</b>	
GA1002	NCC	1.00
GA1004	NSS	1.00
GA1006	PT & GAMES	1.00
GA1008	CREATIVE ARTS	1.00



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Branch : **BACHELOR OF ARCHITECTURE**

Semester : 2

Total Credits: 26

<b>Subject Code</b>	<b>Subject Title</b>	<b>Credit</b>
AR2301	THEORY OF DESIGN	3.00
AR2303	SECONDARY BUILDING MATERIALS	3.00
AR2405	HISTORY OF ARCHITECTURE-WESTERN	3.00
AR2407	STATICS & STRENGTH OF MATERIALS	3.00
CH2203	ENVIRONMENTAL SCIENCE	3.00
AR2304	ARCHITECTURAL DESIGN- II	4.00
AR2306	BUILDING CONSTRUCTION-I	4.00
AR2402	CREATIVE WORKSHOP	2.00
<b>Activity</b>	<b>( CHOICE FOR ONLY ONE )</b>	
GA2002	NCC	1.00
GA2004	NSS	1.00
GA2006	PT & GAMES	1.00
GA2008	CREATIVE ARTS	1.00



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Program : **BACHELOR OF ARCHITECTURE**

Branch : **BACHELOR OF ARCHITECTURE**

Semester : 3

Total Credits: 26

<b>Subject Code</b>	<b>Subject Title</b>	<b>Credit</b>
AR3301	BUILDING SCIENCE-I (CLIMATOLOGY)	3.00
AR3303	CONSTRUCTION TECHNIQUES AND CODES	3.00
AR3305	BUILDING SERVICES-I (WATER SUPPLY & SANITATION)	3.00
AR3407	STRUCTURAL MECHANICS	3.00
AR3309	ART & CULTURE	3.00
AR3402	ARCHITECTURAL DESIGN - III	4.00
AR3304	BUILDING CONSTRUCTION – II	4.00
AR3308	COMPUTER APPLICATION IN ARCHITECTURE	2.00
<b>Activity</b>	<b>( CHOICE FOR ONLY ONE )</b>	
GA3002	NCC	1.00
GA3004	NSS	1.00
GA3006	PT & GAMES	1.00
GA3008	CREATIVE ARTS	1.00



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Program : **BACHELOR OF ARCHITECTURE**

Branch : **BACHELOR OF ARCHITECTURE**

Semester : **4**

Total Credits: **26**

<b>Subject Code</b>	<b>Subject Title</b>	<b>Credit</b>
AR4301	BUILDING SERVICES - II (ACOUSTICS)	3.00
AR4305	THEORY OF STRUCTURE	3.00
AR4403	CONTEMPORARY ARCHITECTURE	3.00
AR4407	SURVEYING (THEORY)	3.00
AR4302	ARCHITECTURAL DESIGN - IV (SESSIONAL)	4.00
AR4304	BUILDING CONSTRUCTION - III (SESSIONAL)	4.00
AR4308	SURVEYING (SESSIONAL)	2.00
<b>Activity</b>	<b>( CHOICE FOR ONLY ONE )</b>	
GA4002	NCC	1.00
GA4004	NSS	1.00
GA4006	PT & GAMES	1.00
GA4008	CREATIVE ARTS	1.00
<b>Elective - 1</b>	<b>( CHOICE FOR ONLY ONE )</b>	
HU4001	FRENCH	3.00
HU4003	GERMAN	3.00



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Program : **BACHELOR OF ARCHITECTURE**

Branch : **BACHELOR OF ARCHITECTURE**

Semester : 5

Total Credits: 26

<b>Subject Code</b>	<b>Subject Title</b>	<b>Credit</b>
AR5301	BUILDING SERVICES – III (ELECTRICAL & LIGHTING)	3.00
AR5303	SITE PLANNING & LANDSCAPE ARCHITECTURE	3.00
AR5405	CONCRETE STRUCTURE	3.00
AR5302	ARCHITECTURAL DESIGN - V	6.00
AR5304	WORKING DRAWING-I	4.00
AR5306	LANDSCAPE DESIGN	2.00
AR5308	STRUCTURAL DESIGN (R.C.C)	2.00
<b>Breadth Paper ( CHOICE FOR ONLY ONE )</b>		
MSH1125	ORGANISATION BEHAVIOUR	3.00
PE5009	INDUSTRIAL ORGANIZATION AND MANAGEMENT	3.00
PE5011	PROJECT ENGINEERING	3.00
MSH1131	PRINCIPLES OF MANAGEMENT	3.00



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Branch : **BACHELOR OF ARCHITECTURE**

Semester : 6

Total Credits: 24

<b>Subject Code</b>	<b>Subject Title</b>	<b>Credit</b>
AR6301	BUILDING SERVICES-IV (MECHANICAL SERVICES)	3.00
AR6309	STEEL STRUCTURES	3.00
AR6302	ARCHITECTURAL DESIGN - VI	6.00
AR6304	WORKING DRAWING-II	2.00
AR6308	STRUCTURAL DESIGN (STEEL)	2.00
AR6406	SPECIFICATION ,ESTIMATION AND COSTING	2.00
<b>Elective - 1</b>	<b>( CHOICE FOR ONLY ONE )</b>	
AR6405	VERNACULAR ARCHITECTURE	3.00
AR6409	CONSERVATION AND HERITAGE MANAGEMENT	3.00
<b>Elective - 2</b>	<b>( CHOICE FOR ONLY ONE )</b>	
MSH1115	HUMAN RESOURCE MANAGEMENT	3.00
MSH1121	MARKETING MANAGEMENT	3.00
MSH1123	OPERATION RESEARCH	3.00
MSH1137	ECONOMICS	3.00
PE6009	ENGINEERING ECONOMY	3.00



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Program : **BACHELOR OF ARCHITECTURE**

Branch : **BACHELOR OF ARCHITECTURE**

Semester : 7

Total Credits: 20

<b>Subject Code</b>	<b>Subject Title</b>	<b>Credit</b>
AR7301	STRUCTURAL CONCEPTS IN ARCHITECTURE	3.00
AR7303	HOUSING AND SETTLEMENT SYSTEM	3.00
AR7305	BUILDING SCIENCE-II (ENERGY EFFICIENT ARCHITECTURE)	3.00
AR7302	ARCHITECTURAL DESIGN- VII	6.00
AR7304	INTERIOR DESIGN	2.00
<b>Free Elective</b>	<b>( CHOICE FOR ONLY ONE)</b>	
MUP2101	URBAN ECOLOGY & ENVIRONMENT PLANNING	3.00



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Program : **BACHELOR OF ARCHITECTURE**

Branch : **BACHELOR OF ARCHITECTURE**

Semester : 8

Total Credits: 22

<b>Subject Code</b>	<b>Subject Title</b>	<b>Credit</b>
AR8401	PRINCIPLES OF HUMAN SETTLEMENTS & URBAN DESIGN	3.00
MUP3109	CITY & METROPOLITAN PLANNING	3.00
<b>Elective - 1</b>	<b>( CHOICE FOR ONLY ONE )</b>	
AR8311	SUSTAINABILITY AND BUILT ENVIRONMENT	3.00
AR8307	DISASTER MANAGEMENT	3.00
<b>Sessionals</b>	<b>( CHOICE FOR ONLY ONE )</b>	
AR8304	INTRODUCTION TO THESIS PROJECT & RESEARCH METHODOLOGY	4.00
AR8302	ARCHITECTURAL DESIGN - VIII	8.00





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Program : **BACHELOR OF ARCHITECTURE**

Branch : **BACHELOR OF ARCHITECTURE**

Semester : **9**

Total Credits: **16**

<b>Subject Code</b>	<b>Subject Title</b>	<b>Credit</b>
AR9301	PROFESSIONAL PRACTICE AND TENDERING PROCESS	3.00
AR9103	CONSTRUCTION MANAGEMENT	3.00
AR9302	THESIS PROJECT	10.00



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Branch : **BACHELOR OF ARCHITECTURE**

Semester : **10**

Total Credits: **12**

<b>Subject Code</b>	<b>Subject Title</b>	<b>Credit</b>
AR10302	ARCHITECTURAL APPRENTICESHIP	3.00
AR10304	FIELD STUDIES	6.00
AR10306	COMPREHENSIVE VIVA & TIME TEST	3.00