

GANPAT UNIVERSITY									
FACULTY OF ARCHITECTURE DEISGN & PLANNING									
Programme		Bachelor of Architecture			Branch/Spec.		INSTITUTE OF ARCHITECTURE		
Semester					Version		1.0.0.0		
Effective from Academic Year			2015-16		Effective for the batch Admitted in			June 2015	
Subject code		VIIA01ADS	Subject Name		Architecture design Studio- VII				
Teaching scheme					Examination scheme (Marks)				
(Per week)	Lecture(DT)		Practical(Lab.)		Total	CE	SEE	Total	
	L	TU	P	TW					
Credit	-	-	16	-	16	Theory	-	-	-
Hours	-	-	18	-	18	Practical	960	650	1600
Pre-requisites:									
Architectural Insert in an Urban Context / Mass Housing or Township									
Learning Outcome:									
Theory syllabus									
Unit	Content								Hrs
1	Study of History & Evolution of Urban Area, Study of Natural elements like Climate, Topography, etc. for understanding the settlement pattern. Study of Demographic profile, Occupational Pattern, etc. for understanding its impact on the development trends.								
2	Study of Regional Connectivity, City Structure, Urban Infrastructure (Physical & Social), Administrative Setup, Development Control Mechanism etc. for understanding the functioning and regulation of the city. Detailed Study of Settlement Pattern including Blocks, Cluster, House form and their Typology, Important institutions and market places, Local material and construction technology, etc. Identification of relevant site and project for Design Exercise.								
Practical content									
Site Analysis and Programmatic Case Study. Study of various alternatives for approach towards design. Architectural Design of a public purpose building keeping 'context' as the central idea.									
Text Books									
1									
Reference Books									
1	Space Time & Architecture, S.Giedion								
2	Small urban spaces, North, Whitney								
3	Responsive Environment, Cutler & Cutler								
4	Architecture as Space, Bruno Zevi								
5	The Image of the City - Kevin Lynch.								
6	The City Shaped – Spiro Kostof								

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Semester					Version		1.0.0.0		
Effective from Academic Year			2015-16		Effective for the batch Admitted in			June 2015	
Subject code		VIIA02PP	Subject Name		Professional Practice - I				
Teaching scheme					Examination scheme (Marks)				
(Per week)	Lecture(DT)		Practical(Lab.)		Total		CE	SEE	Total
	L	TU	P	TW					
Credit	3	-	-	-	3	Theory	180	120	300
Hours	3	-	-	-	3	Practical	-	-	-
Pre-requisites:									
To understand basic concepts of business practice of Architecture, Construction Execution, Management and Working methodology. The course is structured to allow students to have hands on practical practices and approach in the field of Architecture and Construction.									
Learning Outcome:									
Theory syllabus									
Unit	Content								Hrs
1	The Course shall include following as some of the major aspects of professional practice. Setting up a Design firm Infrastructure, Human Resources, Tools, Computer soft wares, licenses and area of specialization. Council registration.								
2	Preparing promotional materials Visiting Cards, Design portfolio, Brochures, Project Display panel, Videos and other networking material.								
3	Design Competition Participation, Marketing through Reorganization and awards tips and practices. Getting design projects (public/govt) expression of interest, project bidding, tendering, preparing proposals, best design submissions, Government Liasoning, project performance guarantees, EMD, etc. Project Approvals Authority plan sanctions, Registrations, NoCs, Clearances, Special Permissions, Dealing with Agents and networking with the authorities.								
4	Project Execution Design detailing, Site supervision, meetings, design changes, material selection, Billing & payment schedule, Human resource Management, project management, time management, etc. Document handling from both parties. Client Relationship Management decision marketing, client servicing and satisfaction, feedback and follow-ups, future project intimations. Etc. Institutional Memberships various organization and institutional membership, guest lectures, image marketing, peer networking, etc.								
Practical content									
Practical approach to successful project guidance, Entrepreneurial approaches. Theories, In class - interactions, case studies & final exam and final submission of project report.									
Text Books									
1	NA								
Reference Books									
1	Architectural Practice in India, Madhav Deobhakta.								

2	Hand book of Professional Documents, Council of Architecture
3	Code of Professional Conduct, IIA Publication
4	Professional Practice, Roshan Namavati

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Semester		VII			Version		1.0.0.0		
Effective from Academic Year			2015-16		Effective for the batch Admitted in			June 2015	
Subject code		VIAA03ABC		Subject Name		Advance Building Construction			
Teaching scheme					Examination scheme (Marks)				
(Per week)	Lecture(DT)		Practical(Lab.)		Total		CE	SEE	Total
	L	TU	P	TW					
Credit	3	-	-	-	3	Theory	180	120	300
Hours	6	-	-	-	6	Practical	-	-	-
Pre-requisites:									
Building facades, Dry walls, special constructions, Glass Buildings & modern urban Architecture. To understand advanced Building Technology to accommodate Hi-tech & sustainable aspects.									
Learning Outcome:									
Theory syllabus									
Unit	Content								Hrs
1	Dry wall Technology in Building facades. Methods, types, specifications, materials, case studies. Glass Buildings. Case studies, /safely & privacy/, climatology, Elements of glass /Roof, wall, etc. Aesthetics & Reflective uses.								
2	High rise Buildings Tall structures, Materials, /service Ducts, Construction Techniques, Foundations, Wind & Load Design/ Seismic Loads, Elements of Design. Construction of energy efficient Buildings, Hi-tech Services, Use of solar & Wind energy, Use of Natural Light in Interior spaces, Techniques & Equipments. Smart Buildings / Intelligent Buildings, case studies.								
3	Value Engineering material Selection, New materials, Economics of material use, Cost v/s quality, Function v/s use. Aluminum Composite Panels (ACP), Construction Techniques, fixing & refection, Aesthetics & Use, element life.								
Practical content									
In class lectures, presentations, case studies, drawings, Audio-Video & submissions.									
Text Books									
1	NA								
Reference Books									
1									
2									
3									
4									
5									
6									
7									

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Semester		VII			Version		1.0.0.0		
Effective from Academic Year			2015-16		Effective for the batch Admitted in			June 2015	
Subject code		VIIA04ESS		Subject Name		Environment Science Services - V			
Teaching scheme					Examination scheme (Marks)				
(Per week)	Lecture(DT)		Practical(Lab.)		Total		CE	SEE	Total
	L	TU	P	TW					
Credit	2	-	-	-	2	Theory	120	80	200
Hours	3	-	-	-	3	Practical	-	-	-
Pre-requisites:									
Probable disasters, Disaster management: general approach at society/community, city level, urban planning strategies & habitat design strategies for disaster mitigation , resource management during disasters, strategies for recovery.									
Learning Outcome:									
Theory syllabus									
Unit	Content								Hrs
1	The Contemporary world and the probable disaster risks. Scale of disaster risk situation, Evolution of disaster risk management, Disaster management models and approaches for different emergencies. Disaster Risk Management Process.								
2	Vulnerability factors (includes Residential as well as Industry and Commerce), Coping capacities (at different levels, and of different agencies), Outputs from risk assessment and capacity building framework from the same.								
3	Prevention / Mitigation. Framework for prevention and mitigation with focus upon between environment, Structural mitigation , Community based disaster management (including specialized measures for different set of industrial set-ups and surrounding settlements), Institutional and legal mechanisms, Role of public awareness, Preparation of prevention and mitigation by urban planning strategies & conducive habitat design.								
4	Preparedness Planning. Key preparedness considerations, Coordination and the emergency coordination center, Probable damage assessment and needs analysis, with special focus upon between environments.								
5	Emergency Response. Activating and managing the emergency coordination centers (all levels) , Damage assessment and needs analysis , Resource management at different levels. Recovery and Reconstruction. Principles and concepts of recovery, Community involvement & Rehab designs. Concluding recovery interventions.								
Practical content									
Case studies and literature studies of disasters & its mitigation in terms of architecture									
Text Books									
1	NA								
Reference Books									
1	Disaster Management, By Harsh K. Gupta								
2	Disaster Management, K. N. Shastri								
3	Design like you give a Damn, Architecture for Humanity								

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Subject code		VIIB05 WS/ELE		Subject Name		Workshop/Elective-VII			
Teaching scheme					Examination scheme (Marks)				
(Per week)	Lecture(DT)		Practical(Lab.)		Total		CE	SEE	Total
	L	TU	P	TW					
Credit	-	-	2	-	2	Theory	-	-	-
Hours	-	-	6	-	6	Practical	120	80	200
Pre-requisites:									
Effect of Built spaces on human psyche; visual aspects, visual control, visual art appreciation. To bring out creativity, imagination, originality and innovations in design. Designing various products of day to day life, enhance its functional and aesthetic values.									
Learning Outcome:									
Theory syllabus									
Unit	Content								Hrs
1	PRODUCT DESIGN: What is Product design and its application. Designing in totality and thinking at micro level. Defining and understanding its function. Developing concept and applying innovative skills. Structural and decorative design.								
2	Anthropometry and ergonomics. Material selection and detailing. Cost and other consideration; design for mass or class. Aesthetics and its considerations. Gimmick in product design.								
Practical content									
Case Study, Analysis & Design based upon the selected subject of choice									
Text Books									
1	NA								
Reference Books									
1	NA								

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Subject code	VIIB6RSP	Subject Name	RELATED STUDY PROGRAMME - IV				
Teaching scheme				Examination scheme (Marks)			
(Per week)	Lecture(DT)		Practical(Lab.)	Total	CE	SEE	Total
	L	TU	P	TW			
Credit	NA			Theory	NA		
Hours	1 Week Case Study			Practical	ATTENDANT/ NOT ATTENDANT		
Pre-requisites:							
Learning Outcome:							
Theory syllabus							
Unit	Content						Hrs
1							
Practical content							
Text Books							
1	NA						
Reference Books							
1	NA						
2	NA						

