









## Koneru Lakshmaiah Education Foundation

(Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

Accredited by NAAC as 'A++' ♦ Approved by AICTE ♦ ISO 21001:2018 Certified

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S. No	Course Code	Course Title	CON O	Description of the Course Outcome	Program Outcomes												PSO		
					1	2	3	4	5	6	7	8	9	10	11	12	1	2	
				create acoustic and lighting designs to different building types – Studio work															
10	19AR3219	Building Services - III	CO1	Familiarity with different air conditioning systems, their context of use and basics of planning involved.	2	2													
			CO2	An understanding of fire safety, firefighting, fire prevention and installations in buildings.	2	2													
			CO3	An understanding of mechanical transportation systems in a building and their design requirements.	2	2													
			CO4	Ability to integrate services in buildings.			3	3											3
11	19AR4123	Building Services - IV	CO1	To gain knowledge about different Building Automation Systems and Controls	2	2													
			CO2	To gain knowledge about different Communication and Security Systems	2	2													
			CO3	To gain knowledge on the various intelligent systems in Vertical Transportation	2	2													
			CO4	Ability to integrate the advanced services in Buildings			3	3											3
12	19AR2137	Building Construction - I	CO1	It is required that students should understand materials used in the building, method of construction and application					2	2		2							





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			CO3	Clear understanding of paneling, soundproof and light weight partitions			3	3										3	
			CO4	Students should also understand the techniques of water proofing and damp proofing.			3	3										3	
15	19AR3246	Building Construction - IV	CO1	Understanding of Cement and Concrete properties.					2	2	2								
			CO2	Understanding of Special concrete and Concreting methods.					2	2		2							
			CO3	Understanding of the Reinforced Cement Concrete Construction						3	3								
			CO4	Understanding of Advanced Application Reinforced Cement Concrete Construction.			3			3	3	3							
16	19AR4149	Advanced Building Techniques				1		2	1	2	2					2			
17	19UC0008	Indian Constitution	CO1	To understand the preamble of constitution & Fundamental Rights of Indians.									2						
			CO2	To Study RTI act, Directive principles to state Policy.			2												
			CO3	To Understand the roles and Functions of Authorities			2												
			CO4	To discuss the Amendment acts and Powers.				2											
18	19UC0009	Ecology & Environment	CO1	Understand the importance of Environmental education and conservation of natural resources.					2										
			CO2	Understand the importance of ecosystems and biodiversity.												1			



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			CO3	Apply the environmental science knowledge on solid waste management, disaster management and EIA process.						2											
19	19AR4226	Building Construction and Management	CO1	To understand the Objectives and Methods of project Management System			2				1	3									
			CO2	To understand various Tools and Techniques to facilitate efficient Management of Projects			2					1									
			CO3	To Analyze Project cost model and steps involved in cost optimization					1		3										
			CO4	To Applying Scientific Evaluation Techniques to Manage Project Durations and resources with Examples								3									
20	19AR5228	Architecture Professional Practice	CO1	To expose students to the daily realities of an architectural practice through Practical Training							2	1									
			CO2	To facilitate an understanding of the evolution of an architectural project from design to execution.			1						1								
			CO3	To enable an orientation that would include the process of development of conceptual ideas, presentation skills.								2	1	2							
			CO4	Involvement in office discussions, client meetings, development of the concepts into working drawings, tendering procedure.											1						
21	19AR4252	Dissertation	CO1	To understand the importance of reasoning							3	3									





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					1	2	3	4	5	6	7	8	9	10	11	12	1	2	
			CO2	To select the topic which may eventually culminate in the Architectural Design Thesis in the subsequent semester.			1						1						
			CO3	To select and apply the concept of reasoning to the chosen topic						2	3	3							
			CO4	To analyze the spaces, connectivity, and the standards of sustainable and service intensive building. Case study									1						
			CO5	To write a report on the research done in the topic with appropriate studies.						2	3	3							
22	19AR5154	Practical Training / Internship	CO1	To expose students to the daily realities of an architectural practice through Practical Training							3	3							
			CO2	To facilitate an understanding of the evolution of an architectural project from design to execution.			1						1						
			CO3	To enable an orientation that would include the process of development of conceptual ideas, presentation skills.						2	3	3							
			CO4	Involvement in office discussions, client meetings, development of the concepts into working drawings, tendering procedure.										1					
			CO5	Site supervision during execution and coordination with the agencies involved in the construction process.						2	3	3							
23	19AR1102	History of Architecture - I	CO1	To Understand Primitive Architecture and Ancient settlements in pre-historic times and get knowledge on the Ancient River valley civilizations in the world.			3				2	2							2











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					1	2	3	4	5	6	7	8	9	10	11	12	1	2	
			CO2	To Understand the Construction and Development of Surfaces for various Basic 3D Shapes.	1				2										2
			CO3	To Understand the representation of various building components and related elements			2	1											2
			CO4	To Understand the representation of a building in plan, elevation & sections. To Understand the Preparation of Simple Measure Drawing			2		2										2
32	19AR1254	Model Making Workshop	CO1	To understand cutting and sticking for making a model							2								
			CO2	To understand representing hills, Plateau, water bodies, furniture's, Cars.							2	2							
			CO3	To understand components of a detailed model							2	2							
			CO4	To know different materials and apply the acquired knowledge and create a model Independently by choosing appropriate material and techniques.							2								
33	19AR1256	Architectural Drawing - II	CO1	To Understand the concepts and Scientific Methods of Perspective Drawing and apply Rendering Techniques							2	2							
			CO2	To understand the principles of Shade & Shadow and Construct Sciography of Architectural Structures.							2			2					
			CO3	To Understand identification and measuring of specific Architectural Details of Historically significant Buildings.							2			2					



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			CO4	To understand the presentation techniques of drawings	2						2										
34	19AR1131	Architectural Design Studio -I (Basic Design)	CO1	An understanding of the qualities of different elements as well as their composite fusions	2		2												3		
			CO2	An ability to engage and combine the elements of design in spontaneous as well as intentional ways in order to create desired qualities and effects	2			3												3	
			CO3	Development of required skills – observation / analysis / abstractions / interpretation / representations / expressions through models and drawings.			3	3													3
			CO4	Understanding of 3D Composition by involving students in a number of exercises which will help generation of a form from a two dimensional / abstract idea.			2	2													2
35	19AR1234	Architectural Design Studio -II	CO1	To make student to remember anthropometric data, conduct desktop/case study and understand collected data towards framing parameters for Bed room design.		2	2							2					2		
			CO2	To make student to apply and analyze collected data, to derive concepts, evaluate schematic preliminary design options and final design presentation of a Bed room for a cine actor.		3														3	
			CO3	To make student to derive concepts, schematic preliminary design, and final design presentation of a Shop front for a given context.		3									3					3	



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					1	2	3	4	5	6	7	8	9	10	11	12	1	2		
			CO4	To make student to remember anthropometric data, conduct desktop/case study and understand collected data towards framing parameters for Coffee Shop design.		2		2						2			2			
36	19AR2138	Architectural Design Studio -III	CO1	To understand and analyze the use, the spaces, and the concepts of residential activities.		2		2						2			2			
			CO2	To design a small-scale residential project		3												3		
			CO3	To understand and analyze the spaces, connectivity, and the standards of Institution buildings. To design an institution-oriented building		3									3					3
			CO4	Time Problem design with minimal design agenda		3									3					3
37	19AR2241	Architectural Design Studio -IV	CO1	To memorize anthropometry, circulation patterns, standards various facilities to be provided.		2		2						2			2			
			CO2	To create and design spatial planning, circulation, and functionally good community oriented open spaces – <b>Project 1</b>		3		3					3							
			CO3	To create and design functional and activity-oriented community spaces- <b>Project 2</b>		3		3					3	3						
			CO4	To analyze the architecture, rural planning, infrastructure, and settlement planning of a village (rural settlement) To document the observations and compile the analysis for presentation – <b>Project 3</b>		3		3					3	3						3







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			CO2	To develop a skill to integrate various knowledge systems to arrive at a design proposal of an urban scale, the process used for the same						2	2		2					
			CO3	To make the students understand the area, scale, design, and implementation factors with the involvement of stakeholders							2	2						
			CO4	To make the students work on relatively large project for incorporating multidisciplinary domains in the projects for consideration of the same.				2			2	2	2					
41	19AR3247	Architectural Design Studio -VI	CO1	To expose the students to the challenges of designing functionally complicated buildings, having a complex array of activities and services		2		2						2				2
			CO2	To Design a functionally complex Building (Medium Rise Structure) - <b>PROJECT 1</b>		3												3
			CO3	To familiarise the students to the task of coordinating integration of structural design and specialised building services in the framework of architectural design		2								2				2
			CO4	To make students understand advanced construction technology and newer building materials. To Design a functionally complex Building (High Rise Structure) - <b>PROJECT 2</b>		3		3					3	3				3
42	19AR4150	Architectural Design Studio -VII	CO1	To memorize anthropometry, circulation patterns, importance of services and building techniques		2		2						2				2



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			CO2	To understand and apply the integration of services into intelligent sustainable building case study		3		3					3						
			CO3	To Create and design spatial planning and functionality in Low Rise – High Density Project. <b>(Project 1)</b>		3		3					3	3					
			CO4	To analyze the spaces, connectivity, and the standards of sustainable and service intensive building. Case-study. To create design of a sustainable service integrated intelligent green building in High Rise – High Density Project. <b>(Project 2)</b>		3		3					3	3					3
43	19AR4253	Urban Design Studio	CO1	Understand the role of Services at higher scale in Urban level								2	2						
			CO2	Understand and apply the integration of services into intelligent sustainable building case study			2						2						
			CO3	Create High Density Urban facility as a solution to the Urban area problems, Current issues. <b>(Project-1)</b>						3	3	3							
			CO4	Analyze the spaces, Transformation according lifestyle changes in Urban population, connectivity, and the standards of sustainable and service intensive building. Case study. Create design of a sustainable service integrated intelligent green building High Density Project. <b>(Project 2)</b>						3	3	3		3					
44	19AR5255	Architectural Thesis	CO1	Culmination of the development of the student's knowledge, attitudes, and skills over the course of studies in architecture.								3	3						
			CO2	Culmination of the development of the student's knowledge, attitudes, and skills over the course of studies in architecture.								3	3						





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			CO4	Understand Deconstructivism along with Forms, Ideas and Concepts followed by Various Architects in their works.			2	2											
47	19AR3117A	Vernacular Architecture	CO1	To understand the Vernacular Architecture, its Approaches & Concepts.	2			2											
			CO2	To Understand the Vernacular styles of Buildings in Western, Northern & North-Eastern India.						2				2					
			CO3	To Understand the Vernacular Architectural Styles of Southern India.			2						2						
			CO4	To study and Understand the Influence of Western world on Vernacular Architecture.			2						2						
48	19AR3117B	Sustainable Architecture - I	CO1	To understand the concept of green building need for it in today's context								1							
			CO2	To understand the traditional buildings under different climatic zones and the elements in vernacular buildings									2						
			CO3	Understanding the climatic influences on built environment										3					
			CO4	To understand the importance of site planning and energy efficient landscaping as an important tool in sustainable architecture										3					3
49	19AR3221A	Appropriate Construction Technologies			2					2		2	2				2		











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			CO4	To create a detailed 3D model by working in collaboration by application of advanced tools	1		1												1
59	19AR4148	Working Drawing - I	CO1	To introduce Working drawings and their significance in the construction of buildings.	1						2								2
			CO2	To teach students the essential components of working drawings, notations, drawing standards,				1			2								2
			CO3	To strengthen the students' knowledge about preparing working drawings for various building elements.						2	2								2
			CO4	To Improve the construction details knowledge									2	2					2
60	19AR4251	Working Drawing - II	CO1	To train the students to prepare detailed Working drawings for effective execution at construction site.							2	2							2
			CO2	To teach students the essential components of working drawings, notations, drawing standards,			1						2						2
			CO3	To preparation of integrated services drawings and detailing for various types of drawings and methods of transmittals and record keeping.						2	2	2							2
			CO4	To update the latest materials knowledge with specifications											2				2
61	19UC1101	Basic English	CO1	Understand the concepts of grammar to improve communication, reading, and writing skills												2			2





