B.TECH. -CIVIL ENGINEERING

Value added course on

VASTU SHASTRA

Branch: CE **Year & Sem.: III - II [VI th Sem.]** **A.Y.: 2024-2025**

Course Objective:

The objective of this course is to provide the understanding and basics of Vastu Shastra including its history, principles, and relevance in traditional and modern architectural practices.
By the end of the course, participants will be equipped with the knowledge and skills necessary to effectively implement the vastu knowledge on drawings and site projects.

Expected Outcomes:

The Learning Outcomes of this course are as follows:

1. Understand the fundamental principles of Vastu Shastra**,** including directional influences, the five elements, spatial balance, and their impact on building design.
2. Able to analyze sites and building layouts using Vastu guidelines, enabling them to identify strengths, deficiencies, and areas requiring improvement.
3. Develop the ability to apply Vastu concepts in planning residential, commercial, and institutional spaces, integrating traditional knowledge with modern architectural practices.
4. Gain skills to propose practical Vastu remedies and corrections without demolition, enhancing their problem-solving capabilities and professional flexibility.
5. Students will become more industry-ready, with improved confidence to address client needs related to Vastu-compliant design, thereby strengthening their employability and professional competence.

About the Course:

The **VASTU SHASTRA** is a course, aims to provide students with a platform to improve the ancient Indian architectural science that guides the design, layout, and spatial arrangement of buildings to create harmony between humans and their environment. It integrates astrology, art, astronomy, and architecture**.**

Topics to be delivered:

Module-I: Introduction to Ancient Indian Vastu Shastra

S.No.	Topic	Lectures
1.	History and evolution of Vastu Shastra.	2
2.	Importance of Vastu in ancient and modern construction.	1
3.	Pancha Mahabhutas (Five Elements) and their influence.	1
4.	Significance of directions and magnetic fields.	1
5.	Relevance of Vastu for civil engineers.	1

Module-II: Site Selection and Planning

S.No.	Topic	Lectures
1.	Vastu principles for site selection and soil testing.	2
2.	Plot shapes, slopes, and orientation analysis.	1
3.	Environmental and climatic considerations.	1
4.	Road alignments and surrounding influences, Vastu-compliant site layout for different plot types.	2

Module-III: Building Layout and Functional Zoning

S.No.	Topic	Lectures
1.	Zonal classification: NE, SE, SW, NW and their functions. Placement guidelines for rooms: bedrooms, kitchen, toilet, staircase, etc.	2
2.	Vastu principles for windows, doors, ventilation, and lighting.	2
3.	Structural elements: column placement, beams, and load distribution.	1
4.	Space planning for residential and small commercial buildings.	1

Module-IV: Vastu in Modern Civil Engineering Practice

S.No.	Topic	Lectures
1.	Integrating Vastu with modern design standards (IS codes, safety norms).	2
2.	Practical challenges and misconceptions. Case studies of Vastu-compliant and non-compliant structures.	2
3.	Sustainable and energy-efficient planning using Vastu concepts.	1
4.	Role of civil engineers in advising clients.	1

Module-V: Vastu Remedies and Practical Applications

S.No.	Topic	Lectures
1.	Non-demolition Vastu corrections (shape, color, placement, objects). Practical design exercises: analyzing floor plans using Vastu.	3
2.	Preparation of Vastu-compliant building layouts. Mini-project: Vastu review of an existing structure.	2
3.	Professional ethics and client communication.	1