Metal Craft	L	T	P	C
	-	-	3	2

Learning Outcome	• Students will get the understanding of different types of metals as materials • Students will learn the different techniques required to work with metal
Content	• Understanding of different metals i.e. Iron, Steel, Aluminum, Copper, Bronze, Brass • Learning different techniques required to work with different metals i.e. cutting, welding, bolting, riveting • Making different objects from metal

Casting / Moulding (POP, metal, raisin, fiber)	L	T	P	C
	-	-	3	2

Learning Outcome	• Students will understand different types of casting and molding methods • They will also understand the importance of these methods and their use in daily life
Content	• Understand the discipline of the workspace and instruments of it. • By using these methods different products will be made. • It will also help in understanding traditional ways of product making. • Students will also understand the idea of mass production by using of these methods.

Print (Lithography / Linography / wood cut / metal print)	L	T	P	C
	-	-	3	2

Learning Outcome	• Students will understand different types prints and it's importance • They will also understand the idea of reproduction of the same artwork
Content	• Understand the discipline of the workspace and instruments therein • Different kinds and sizes of prints will be explored through handling of the material • Understanding of different material by which prints can be produced repetitively

Traditional Arts and Crafts	L	T	P	C
	-	-	3	2

Learning Outcome	• Students will be learning about the field of Art and Craft from a traditional point of view • Students will learn culture and heritage of vernacular arts and craft • The student will be able to interpret a work of art and craft
Content	• Overview of the theories prevalent in Traditional Arts and Craft

	• To Identify, map, document and analyze Traditional & Vernacular Building (TVB) and Space Making Crafts (SMCs) & Space Surface Crafts (SSCs). And to conduct research and analysis of craftspeople, craft communities and clusters related to building sector • Chronological history of Traditional Art and Craft (India and Abroad) • Application of selected Arts and crafts in different industry • Develop understanding about the field through hands on workshops • Exposure to other cultures have greatly influenced the traditions and culture of the different regions

Colour in Architecture	L	T	P	C
	-	-	3	2

Learning Outcome	• The student will be able to understand the impact of color in architecture • The student will be able to explain and use different colors to create specific effects
Content	• Theory and systems, role and effects of colour and texture in spaces. • Analysis of space using monochromatic or achromatic abstractions in Two Dimension. • Behaviour and effects of colour compositions

Green Building Design	L	T	P	C
	-	-	3	2

Learning Outcome	• Students will understand building sustainability concepts • Students will understand the current green building trend, and to help them realize the impact and applications of green building as a practice not just a trend • Students will get understanding of fundamentals of building science (to include but not limited to: thermodynamics as related to wind, air, moisture, pressure, and heat).
Content	• Introduction to green building • Introduction to building science • Building Science Fundamentals • Green Design • Green Construction Methods

Building Energy Modeling and Simulation	L	T	P	C
	-	-	3	2

Learning Outcome	• Student will get understanding of range of building modeling and simulation approaches and tools • Student will develop the understanding to construct simple models with tools commonly used in the building professions • Student will develop understanding to apply models to common building industry functions such as code compliance and energy audits
Content	• Overview: Energy consumption of buildings; Energy modeling & simulation; Energy systems in buildings

	• Climate, Simulation & Building Envelope • Internal Gains • Energy Calculation and Simulation: Software programs for energy simulation modeling

Methods of Architectural Documentations	L	T	P	C
	-	-	3	2

Learning Outcome	• The student will be able to create a measure drawing set of a building at the end of the course • The student will be able to measure a building • The student will able to use different ways like sketching, photography, etc. to document a building
Content	• Different modes of Documentations • Measure Drawings • Sketches & Diagrams • Photographic Documentation • Texts - Audios • Video – Documentary

Stages & Set design	L	T	P	C
	-	-	3	2

Learning Outcome	• Students learn about stage design and explore allied field associated with it • Students will learn concepts of stage and set design • Students will understand basic acoustical rules
Content	• Conceptual visualization • Measure Drawings • Lighting • Location surveying, Production Work –Wood, Metal, Fabric • Storyboarding – Model making

Caricatures	L	T	P	C
	-	-	3	2

Learning Outcome	• Students will learn the history of caricature • Students will understand the techniques of making caricatures • Students will develop analytical skills and different techniques
Content	• Brief History of caricatures • Uses and applications of caricatures in design field • Caricatures of objects, animals • Caricature of person

Art Appreciation	L	T	P	C
	-	-	3	2

Learning Outcome	• **The student will be able to interpret a work of art** • **The student will be able to understand the processes involved in artistic production** • **The student will be able to explain the role and effect of arts in society, history and world culture**
Content	• **An overview of the history of art from the ancient world till today** • **An overview of various movements in the world of art** • **Study of analytical texts related to architecture**

Creative writing	**L**	**T**	**P**	**C**
	-	**-**	**3**	**2**

Learning Outcome	• **The student will be able to write a final piece of work (story, poem or personal essay)** • **The student will be able to express his/ her ideas through writing** • **The student will be have a platform to initiate further study in the field**
Content	• **Discussion on the fundamentals of creative expression** • **Overview of texts fundamental to creative writing** • **Writing prompts to be able to write essays, stories, poems, etc.**

Film Appreciation	**L**	**T**	**P**	**C**
	-	**-**	**3**	**2**

Learning Outcome	• **Introduction to the field of cinema** • **The student will able to develop a sensitivity towards cinema as a medium** • **The student will learn about the key moments in the history of cinema** • **The students will understand the process of film making**
Content	• **An overview of the history of cinema** • **Understanding and analysis of critically important films**

Journalism – An Introduction	**L**	**T**	**P**	**C**
	-	**-**	**3**	**2**

Learning Outcome	• **The student will understand the principles and practices of journalism** • **The student will be able to feature articles that feature and engage the readers** • **The student will be able to write an article related to the field of architecture at the end of the course**
Content	• **Reading of texts to improve grammar, vocabulary and enunciation** • **Exposure to important works of literature** • **Introduction to different methods of presentation like writing articles**

Programming Language - Fundamentals	**L**	**T**	**P**	**C**
	-	**-**	**3**	**2**

Learning Outcome	• **The student will learn concepts that underlie programming languages** • **The student will be able to understand how computer applications work and will be able to write their own application** • **The student will be able to realize how to apply this knowledge to the field of architecture**
Content	• **Brief history of computer programming** • **Introduction to different computer languages** • **Greater understanding of at least one of the programing languages**

Web/ Journal page design	**L**	**T**	**P**	**C**
	-	**-**	**3**	**2**

Learning Outcome	• **The student will be able to design and build a website** • **The student will learn common code languages** • **The student will learn how to use different soft wares like Illustrator, Photoshop, etc. for web design**
Content	• **Introduction and study of common code languages** • **Creating webpages**

Temporary Structures	**L**	**T**	**P**	**C**
	-	**-**	**3**	**2**

Learning Outcome	• **Students will understand different types of "temporary structures".** • **Student will learn the requirements and importance of the "temporary structures"** • **Student will learn various aspects, issues to design "temporary structures"**
Content	• **What is a temporary building and what are its requirements?** • **Requirement of temporary structure with respect to Place, environmental, social and cultural dimensions as a designer** • **Various technics to design temporary buildings**

Bamboo construction	**L**	**T**	**P**	**C**
	-	**-**	**3**	**2**

Learning Outcome	• **Students will understand different types of "Bamboo" and their qualities** • **Student will learn how to build with bamboo as construction material**
Content	• **Learning how to use bamboo as a building material** • **Applying the proper construction methodologies for the task at hand** • **Solving problems as they arise** • **Setting priorities and keeping work on schedule**

Disaster management	**L**	**T**	**P**	**C**
	-	**-**	**3**	**2**

Learning Outcome	• **Student will become aware about the different types of disasters and its impacts** • **Student will learn various aspects, issues of managing before and after**

	disaster as a designer
Content	• **Emergency planning procedures** • **Hazards, risks and disasters** • **Technological development, environmental and sustainable development** • **Law and management fundamentals** • **Political, international and social issues** • **Roles of key agencies** • **Relief co-ordination and planning** • **Field skills** • **Disaster theory, statistics and logistics** • **Disaster mitigation, preparedness and response** • **Earth catastrophes, fire and explosion** • **Physical, psychological and social reconstruction of disaster-affected communities**

Bio-mimicry	**L**	**T**	**P**	**C**
	-	**-**	**3**	**2**

Learning Outcome	• **Student will become aware about the importance of the "Economics in architecture"** • **Student will become knowledgeable and enthusiastic about bio-mimicry.** • **Student will go out and strengthen relationships with the local environment** • **Student will learn to better recognize, observe, and think creatively about processes and systems in nature** • **Student will shift to see nature not as something to exploit, but as a teacher and model** • **Student will collaborate with nature to devise and apply practical solutions to current challenges**
Content	**Introduction to Bio-mimicry and Systems** • **Introduction to One Another and Biomimicry** • **What is Bio-mimicry?** • **What is a System?** • **A Bio-mimicry Approach to Change** **Innovation Inspired By Nature** • **A Focus on Shelters** • **Completing Shelters** • **Example Field Trip to Luna Bleu Farm: A Focus on Food** • **A Focus on Healing Ourselves** • **Example Field Trip to the Living Machine Rest Stop: A Focus on Cleansing and Energy** • **A Focus on Storing Knowledge** • **A Focus on Conducting Business** **Being a Bio-mimic: Designing and Acting to Change Systems** • **Creating with Nature and Being a Bio-mimic**

Behavioral Science	**L**	**T**	**P**	**C**
	-	**-**	**3**	**2**

Learning Outcome	• **Student will become aware about the importance of the "perception in humans and concept of mental models in architecture"** • **Student will learn various aspects, issues of behavior consider as designer**
Content	• **Formation of environmental perception in humans and concept of mental models** • **Evolutionary aspect and main concepts of modern theory in the environmental aesthetics** • **Attention restoration theory (ART), suitability of natural environments as recreational settings** • **Examples of applied research in environmental preference** • **Importance of views in landscape perception** • **Personal space and territorial behavior in the landscape**

MS office	**L**	**T**	**P**	**C**
	-	**-**	**3**	**2**

Learning Outcome	• **Student will learn about word, power point, excel and other related software** • **Student will learn various aspects, use of software in professional manner**
Content	**Getting started** • **The Word/power point/Excel window** • **New documents** • **Document navigation** **Editing text** • **Working with text** • **The Undo and Redo commands** • **Cut, copy, and paste** • **Find and replace** **Text formatting** • **Character formatting** • **Tab settings** • **Paragraph formatting** • **Paragraph spacing and indents** **Tables** • **Creating tables** • **Working with table content** • **Changing the table structure** **Page layout** • **Headers and footers** • **Page setup** **Graphics** • **Adding graphics and clip art** • **Working with graphics** **Proofing, printing, and exporting** • **Spelling and grammar** • **AutoCorrect** • **Printing and exporting documents**