

CODE	SUBJECT	MARKS
ID -	BASIC DESIGN -1	
<b>FOCUS</b>		
	To understand fundamentals of visual perception, interpretation and principles of aesthetics Develop mind-eye –hand co-ordination and observation skills	
<b>CONTENT</b>		
	<ul style="list-style-type: none"> <li>- Analysis of visual impressions and representing in various media</li> <li>- Understanding of design elements: – point, line, shape, form, space</li> <li>- Understanding design principals : order, rhythm, harmony, balance and contrast</li> <li>- Meanings , symbolism attached to the design elements</li> <li>- Understanding design principals and its architectural application</li> <li>- Understanding of aesthetical value addition with colour and texture</li> <li>- Explore natural and artificial textures and study its visual impact</li> </ul>	
<b>METHODOLOGY</b>		
	Exercises <ul style="list-style-type: none"> <li>– theoretical explanation</li> <li>- Series of graphical exercises and transform/conversion into 2D and 3D models through exploring different media</li> <li>– understanding tangibility of spaces by converting 2D graphical designs into 3D compositions through models</li> </ul>	
<b>REFERENCE BOOKS</b>		
	Art in Everyday life- Harriet Goldstein Logic and design –Krome Barrat 101 things I learnt in Architecture –Mathew Fredrick Pattern language –Christopher Alexander Form, Space and Order –D.K.Ching What is Design-Paul Grilo	

CODE	SUBJECT	MARKS
ID –	ARCHITECTURAL GRAPHICS-1 (TRD )	
<b>FOCUS</b>		
	To develop understanding of technical drawing as a tool for communication	
<b>CONTENT</b>		
	<ol style="list-style-type: none"> <li>1. introduction &amp; use of drawing instruments</li> <li>2. line exercise</li> <li>3. lettering</li> <li>4. orthographic projections <ul style="list-style-type: none"> <li>- solids</li> <li>- planes</li> <li>- lines, points</li> </ul> </li> <li>5. orthographical projections : inclined objects</li> <li>6. sections of solids</li> <li>7. auxiliary projections</li> <li>8. development of surfaces</li> </ol>	
<b>METHODOLOGY</b>		
	Various drawing exercises and making models of basic geometrical solids	
<b>REFERENCES</b>		
	Engineering drawing- N.D. Bhatt Engineering drawing and geometry- Hoelscher and Springer Rendering with Pen and ink – Robert W. Gill	

<b>CODE</b>	<b>SUBJECT</b>	<b>MARKS</b>
ID –	Drawing and Painting	
<b>FOCUS</b>		
	<ul style="list-style-type: none"> <li>- Develop skill of transforming visuals into drawings and improve perception</li> <li>- Develop eye-hand, mind-hand co-ordination/synchronisation</li> <li>- Enhance creativity</li> <li>- Develop an ability to communicate the ideas effectively</li> </ul>	
<b>CONTENT</b>		
	<ul style="list-style-type: none"> <li>- Lines, curves,</li> <li>- drawing and rendering techniques with pencil</li> <li>- object drawings</li> <li>- Perspective and proportion,</li> <li>- understanding objects in proportion to human scale</li> <li>- Introduction of different colour mediums</li> <li>- textures and colours</li> <li>- Indoor and outdoor sketching</li> </ul>	
<b>METHODOLOGY</b>		
	Different exercises regarding drawing and painting as assignment Demonstrations of different techniques	
<b>REFERENCES</b>		
	<ul style="list-style-type: none"> <li>- Design Drawing – Francis D.K. Ching (With Steven P. Juroszek)</li> <li>- The Natural Way to Draw – Kimon Nicolaides</li> <li>- Color for Architecture – Edi. Tom Porter and Byron Mikellides</li> </ul>	

CODE	SUBJECT	MARKS
ID –	COMMUNICATION AND PRESENTATION SKILLS	
<b>FOCUS</b>		
	The aim is to enhance the students' ability to understand and converse in English and to be able to score a satisfactory score in competitive area.	
<b>CONTENT</b>		
	Foundation component: <ol style="list-style-type: none"> <li>1. Understanding the basic structure of language</li> <li>2. Grammar, vocabulary, speech and other part of the language</li> <li>3. Using the verbal language for communication purpose</li> <li>4. Architecture vocabulary</li> <li>5. Understanding essential grammar and translation</li> <li>6. using ascent and rhythm correctly</li> </ol>	
<b>METHODOLOGY</b>		
	Teaching and instruction will involve the use of lecture-cum-workshop mode most of the time. The focus in teaching and instruction will be learner-oriented and every effort will be made to maximize student participation with learner as partners in classroom exploration. Thus there will be oral and written presentations.	
<b>REFERENCE BOOKS</b>		
	<ol style="list-style-type: none"> <li>1. Enrich your English – communication skill book – S. R. Inthira and V Sarasvati, 1995</li> <li>2. High school Grammar – Wren and Martin</li> <li>3. Architectural Dictionary</li> </ol>	

CODE	SUBJECT	MARKS
ID –	Humanities	
<b>FOCUS</b>		
	Culture and Civilization <ul style="list-style-type: none"> <li>- To expose the students to the relationship between man and environment</li> <li>- World history: system of knowledge</li> <li>- To familiarize the students with basic concepts, theories and issues of culture and society-its relevance to architecture</li> <li>- Study of humanity, its culture to form derivation for design –physical manifestation in the contemporary world</li> </ul>	
<b>CONTENT</b>		
	<ul style="list-style-type: none"> <li>- Introduction of society, basic concepts of society-group, community(rural and urban), association, institution</li> <li>- concept of culture, cultural identity, diversity and change</li> <li>- philosophy and relevance of art and crafts in life</li> </ul>	
<b>METHODOLOGY</b>		
	<ul style="list-style-type: none"> <li>- Exercises based onto above objectives</li> </ul>	
<b>REFERENCE BOOKS</b>		
	<ul style="list-style-type: none"> <li>- How the other half builds?</li> <li>- Glimpse of world history</li> <li>- Ascent of man- J. Bronowski</li> <li>- Humanities through eras- Philip Soergel</li> <li>- An introduction to sociology- Vidhya Bhushan and D. R. Sachdeva</li> <li>- Indian Society and Culture- Continuity and change by Nadeem Husnain</li> <li>- ‘Letters to daughter’- Jawaharlal Nehru</li> </ul>	

CODE	SUBJECT	MARKS
ID –	MATERIALS & CONSTRUCTION – 1	
<b>FOCUS</b>		
	<ul style="list-style-type: none"> <li>• To understand basic building materials and construction techniques for building and composite architecture</li> <li>• To acquaint with basic building elements</li> </ul>	
<b>CONTENT</b>		
	<p>Introduction of building and its different elements like foundation, plinth and super structure. Understanding function and design.  Understanding physical and behavioral properties, method of application, different construction techniques and criteria for selection of materials and design aspects for different types of materials</p> <p>Construction Fundamentals:-</p> <p>Material : Brick  Construction:  1. Technique with examples  2. Types of brick masonry  3. Case studies of building with exposed brickwork  4. Land mark structures</p> <p>Material : Stone  Construction:  1. Techniques with examples  2. Case studies of buildings  3. Landmark structures</p> <p>Material: Timber, wood and wood based products, Laminates, Glass</p> <p>Material : Metal (ferrous, non –ferrous, alloys used in building industry)  Construction Material:  1. Application of different types of metal in building construction</p>	
<b>METHODOLOGY</b>		
	Lectures based on theory and class given assignments, practice questions and sketching and drawings, Case Studies and practices, site visits to study material, model making etc.	
<b>REFERENCE BOOKS</b>		
	Engineering Materials – S.C. Rangwala Building Materials – B.C.Punmaia Construction of building – Vol 2 – R.Barry Building construction metric vol 1 – W.B.Mckay Building Construction – B.C.Punamia Building Materials –S.K. Duggal Building Construction Handbook- Roy Chudley and Roger Greeno	