

INDEX

1. First Year	
Faculty.....	02
2. Introduction.....	04
3. Policy for students.....	05
4. Cell Committees.....	06
5. University Scheme of Examination.....	08
6. Academic calendar.....	09
7. Teaching Programs	
▪ Architectural Design – I & Allied Design Studio – I.....	13
▪ Building Construction and Materials – I.....	15
▪ Architectural Graphics - I.....	17
▪ History of Civilization.....	19
▪ Structural Design and Systems - I.....	20
▪ Computer Application – I.....	21
▪ Workshop – I.....	22
▪ Elective I - Sketching and Rendering.....	23
▪ Elective I - Public Speaking.....	24
▪ Elective I - Institutional Project I – Sanskrit.....	25
▪ Elective I - Numerical Abilities.....	26
▪ Department of Physical Education & Sports.....	27

IN-CHARGES

First Year In-Charge
Prof. Atula Patwardhan

Design Co-Ordinator
Prof. Atula Patwardhan

Construction Co-Ordinator
Ar. Piyusha Rathor

Graphics Co-Ordinator
Prof. Vishwas Dikhole

Section Co-Ordinators
Sec A – Ar. Samruddhi Amte
Sec B – Ar. Rashmi Thakre
Sec C – Ar. Piyusha Rathor



Dr. Ujjwala Chakradeo



Er. Rupal Wadegaonkar



Prof. Vishwas Dikhole



Dr. Sampada Peshwe



Dr. Roopal Deshpande



Prof. Atula Patwardhan



Ar. Piyusha Rathor



Ar. Rashmi Thakre



Ar. Samruddhi Amte



Ar. Samta Zambad



Ar. Nehal Maheshwari



Ar. Madhuri Gehani

VISITING FACULTY



Adv. Abha Patwardhan



Dr. Manjiri Indurkar



Dr. Kalyani Kale

T E A C H I N G F A C C U T Y

First Year Odd Sem **2019-20**

FIRST YEAR FACULTY

FIRST YEAR IN-CHARGE : Prof. Atula Patwardhan

CO-ORDINATORS -

Sec A - Ar. Samruddhi Amte

Sec B - Ar. Rashmi Thakre

Sec C - Ar. Piyusha Rathor

ARCHITECTURAL DESIGN - I & ALLIED DESIGN STUDIO - I

Co-ordinator- Prof. Atula Patwardhan

Dr. Ujwala Chakradeo, Dr. Sampada Peshwe,
Ar. Piyusha Rathor, Ar. Samruddhi Amte, Ar. Rashmi
Thakre, Ar. Samta Zambad, Ar. Nehal Maheshwari,
Ar. Madhuri Gehani

BUILDING CONSTRUCTION AND MATERIALS – I

Co-ordinator – Ar. Piyusha Rathor

Dr. Sampada Peshwe, Dr. Roopal Deshpande, ,
Ar. Samruddhi Amte, Ar. Rashmi Thakre, Ar. Nehal
Maheshwari

ARCHITECTURAL GRAPHICS - I

Co-ordinator – Prof. Vishwas Dikhole

Prof. Atula Patwardhan, Ar. Piyusha Rathor,
Ar. Samruddhi Amte, Ar. Rashmi Thakre, Ar. Samta
Zambad

HISTORY OF CIVILIZATION

Ar. Piyusha Rathor, Ar. Rashmi Thakre

STRUCTURAL DESIGN & SYSTEMS - I

Mr. Rupal Wadegaonkar

COMPUTER APPLICATION I

Prof. Atula Patwardhan, Ar. Samruddhi Amte, Ar. Samta
Zambad, Ar. Madhuri Gehani

WORKSHOP

Prof. Atula
Patwardhan,
Ar. Samruddhi Amte,
Ar. Samta Zambad,
Ar. Madhuri Gehani

**ELECTIVE I- Sketching
and Rendering**

Prof. Atula
Patwardhan ,
Ar. Samta Zambad

**ELECTIVE I - Public
Speaking**

Adv. Abharani
Patwardhan,
Ar. Nehal Maheshwari

**ELECTIVE I –
Institutional Project
I- Sanskrit**

Dr. Kalyani Kale

**ELECTIVE I –
Numerical Abilities**

Ar. Manjiri Indurkar,
Ar. Madhuri Gehani

PHYSICAL TRAINING

Dr. Nalini Wadjikar

INTRODUCTION

Architecture is a noble profession and demands a set of dedicated personnel for creating an environment necessary to stimulate inquisitive urge amongst students to learn Architecture. Architecture is an Art and Science of built environment and plays an important role in the development of a nation. Supply of trained and skilled individuals to the society enhances the quality of environment and thus braces the National Policy.

Women's Education Society was established in Nagpur in the more than 80 years ago in 1932. Driven by the mission of holistic development of women, the members have always strived hard towards this goal. Thus as an integral part of the society Women's Education Society, has joined hands with the national policies of development of women.

The main objectives of the Society are:

To meet the needs of the Nation by providing human resources with required knowledge and skill.

To provide human resource which can effectively function in a variety of social, cultural, geographical, economic and technological needs of the nation.

To support the development of the nation with special emphasis on progress of women and establish their identity.

Vision

Our vision is to reach global standards by deliberate modernization without losing the essential characteristics of our tradition. Being a women's college we find it more pertinent to imbibe both these qualities very consciously in our girl students.

We wish to produce socially responsible architects with sensitivity towards social issues of immediate contexts, national concerns and global effects and positive and creative approach towards life.

Mission

To create an educational environment in which students are prepared to meet the challenges of a fast developing and changing world.

Hence the students are equipped with:

Up to date knowledge

Analytical and practical skills

Creative approach towards everything that they undertake

Attitude to be sensitive towards national, social and environmental issues

While addressing the global challenges we believe strongly in anchoring ourselves to the immediate context. We accept gratefully our role in preserving and enhancing Vidarbha and Nagpur- the place, its people and architecture

Core Values

- Integrity
- Discovery
- Discipline
- Creativity
- Collaboration
- Excellence
- Innovation
- Respect
- Diversity

Objectives

- To develop among students academic and Professional competency.

- To foster value-based, creative and critical learning

- To hone skills of living in a technological, globalized and ecologically aware environment

To develop culture of commitment to excellence.

POLICIES FOR

Code of Conduct

Punctuality - It is mandatory for students to be punctual to the college and shall have to be present every day at 8.45 a.m. Every student is expected to attend the morning assembly. Attendance of the students will be taken at the time of assembly by respective class coordinators.

The attendance will also be taken at the beginning of the classes in the afternoon after lunch break. The record of attendance shall be displayed at the end of the month for students. Every student is expected to go through the displayed attendance and has a chance to rectify the record within 8 days by talking to the class teacher if her attendance has been wrongly recorded.

In case of absenteeism, student shall bring a letter of absence duly signed by her parents/guardian. However, as per RTM Nagpur University norms, a student having less than 75% attendance will not be permitted to appear for University Examination.

Dress Code - Salwar suit/ Jeans /Leggings with long Kurti.

Extracurricular activities- Credits are allotted to each activity and students are required to attend the activities to earn these credits.

Every student has to attend the programs organized by the college from time to time.

Attendance for programme of 26th January and of 15th August is mandatory for every student.

Study tours - Every year study tours are arranged for students of different years as per their curriculum requirements. Active participation in Study Tour is necessary.

Facilities

Library : A well equipped library is maintained by the college
Laboratories (The material bureau, Climatology lab, survey lab and services lab): These laboratories are well maintained to help the students keep themselves well updated with the various tools and materials and its application.

Computer center: A fully equipped computer lab with terminals, plotter, printer, scanner and facility for LCD projection is available.

Workshop: A fully equipped workshop to enhance practical skills and for hands on experiences.

Brain gym: Encourages and nurtures creative thinking in students as well as teachers through many experimental art and design activities.

Reprography Centre: It is in computer lab wherein drawings can be plotted on sheets as per requirement.

Participation in NASA -Students who are regular to class and have cleared all examination of the previous semesters will be allowed to take part in the various activities of NASA.

Academic Performance

Submission schedule of all the subjects of a semester will be displayed at the beginning of the session. Students must follow the submission schedules given by respective subject teachers. No late submissions will be accepted after the scheduled date.

Student Council

The Student Council is formulated for the main purpose of empowering the students. Having a formal setup of a Student Council enables students to organize and conduct certain activities, The student council also takes the lead in organizing and coordinating many events in the academic year - like daily assembly, Republic day and Independence day celebrations, NASA, Teachers Day, Archiventure, Women's day celebration and all other major events conducted by the college. The structure of the council is such that students from all years find representation in it. The team is headed by fourth year students with representative from first, second and third year. The organization set up for student council comprises of -

	President
	Vice-
president	Secretary
	Vice-
secretary	Treasurer

CELL COMMITTEE

ANTI - RAGGING CELL COMMITTEE OF S.M.M. COLLEGE OF ARCHITECTURE, NAGPUR			
SR. NO.	NAME	DESIGNATION	COMMITTEE POST
01	Dr. Ujwala Chakradeo	Head of Institution	Chairperson
02	Senior Police Inspector, Gittikhadan Police Station, Nagpur	Police Administration	Member
03	Ms. Manjusha Joshi, Maharashtra Times	Local Media	Member
04	Mrs. Vishpala Hundekari, Founder Ekibeki	NGO	Member
05	Dr. Roopal Deshpande (student welfare incharge)	Representative of Faculty Members	Member
	Prof. Atula Patwardhan	Representative of Faculty Members	Cell In charge
06	Mrs. Asha Nitin Girgaonkar	Representative of Parents	Member
07	Ms. Nidhi Joseph, 4 th year	Representative of Students	Member
	Ms. Unnati Dhande, 3 rd year	Representative of Students	Member
	Ms. Pranali Gabhane, 2 nd year	Representative of Students	Member
08	Mr. Gajanan Pilpile	Representative of Non Teaching Faculty	Secretary

GRIEVANCE AND REDRESS CELL COMMITTEE			
SR.NO.	NAME	DESIGNATION	COMMITTEE POST
01	Dr. Ujwala Chakradeo	Principal	Chairperson
02	Prof. Pratima Dhoke	Vice Principal	Member
03	Dr. Sampada Peshwe	Academic Head	Member
04	Prof. Atula Patwardhan	Head of Grievance & redress committee	Cell in charge
05	Mr. Gajanan Pilpile	Administrative Officer	Secretary
06	Ms. Nidhi Joseph	Student's Council President	Student representative

CELL COMMITTEE

DISCIPLINE CELL COMMITTEE			
SR.NO.	NAME	DESIGNATION	COMMITTEE POST
1	Dr.Ujwala Chakradeo	Principal	Chairperson
2	Mr.Gajanan Pilpile	Administrative officer	Secretary
3	Prof.Pratima Dhoke	Vice Principal	Member
4	Prof.Atula Patwardhan	Head of Discipline committee	Cell In-charge
5	Ar.Rashmi Thakare/ Ar.Samruddhi Amte	In charge of College Activities	Member
6	Ar.Sonal Phuke	College Counselor	Member
7	Ar.Piyusha Rathor	Class coordinator-1 st year	Member
8	Ar.Seema Burele	Class coordinator-2 nd year	Member
9	Ar.Anuradha Bhute	Class coordinator-3 rd year	Member
10	Ar.Poornima Deshpande	Class coordinator-4 th year	Member
11	Ms.Nidhi Joseph	President student council	Student representative

SC/ST CELL COMMITTEE			
SR.NO.	NAME	DESIGNATION	COMMITTEE POST
01	Dr. Ujwala Chakradeo	Principal	Chairperson
02	Prof. Pratima Dhoke	Vice Principal	Cell In-charge
03	Prof.Shobhana Tembhurnikar	Associate professor	Representative of Faculty Members
04	Ar.Sneha Bodhankar	Assistant Professor	Representative of Faculty Members
05	Mr. Gajanan Pilpile	Administrative Officer	Secretary
06	Ms. Pranali Gabhane, 2 nd year	Student's Council member	Student representative

UNIVERSITY SCHEME OF EXAM

SCHEME OF EXAMINATION – B.Arch.																
FIRST YEAR B.ARCH.																
Semester – 1																
Sr. No.	Sub. Code	Sub. Name	Load Per Week					Credits					Paper / Sessional	Max. Marks	Total Marks	Min. Pass Marks
			L/D	T	S	P	Total	L	T	S	P	Total				
1	1S-A-1	Architectural Design -I	1	0	3	0	4	1	0	4.5	0	5.5	Sessional	200	200	100
2	1S-A-2	Allied Design Studio-I	1	0	2	0	3	1	0	3	0	4	Sessional	100	100	50
3	1S-A-3	Building Construction and Materials -I	2	0	3	0	5	2	0	4.5	0	6.5	Sessional	150	150	75
4	1S-A-4	Architectural Graphics I	2	0	0	2	4	2	0	0	1	3	Sessional	100	100	50
5	1S-A-5	Structural Design & Systems-I	2	1	0	0	3	2	0.5	0	0	2.5	Sessional	100	100	50
6	1S-A-6	History of Civilisation	2	1	0	0	3	2	0.5	0	0	2.5	Sessional	100	100	50
7	1S-A-7	Computer Application I	1	0	0	1	2	1	0	0	0.5	1.5	Sessional	50	50	25
8	1S-A-8	Workshop I	0	0	0	3	3	0	0	0	1.5	1.5	Sessional	100	100	50
9	1S-A-9	Elective I	1	2	0	0	3	1	1	0	0	2	Sessional	100	100	50
Total							30					29.0		1000	1000	
Elective I	Art Appreciation / Numerical Ability / Presentation Skills / Sketching and Rendering / Public Speaking / Institutional Project I															

ACADEMIC CALENDER

		AUG 5-AUG 10			AUG 12-AUG 17				AUG 19-AUG 24					
DAY	Y E A R	9:15 to 12:15		1:00 to 4:00	9:15 to 12:15		1:00 to 4:00	9:15 to 12:15		1:00 to 4:00				
	I	HOC	CONST	GRAPHICS	AUG 12 BAKRI ID				HOC	CONST	GRAPHICS			
	A		RD, SA	AP, SA								PR, RT	RD, SA	AP, SA
	B	PR, RT	SP, RT	VD, RT, NM									SP, RT	VD, RT, NM
	C		PR, NM	PR, SZ									PR, NM	PR, SZ
	I	CONST	ST	DESIGN	CONST	ST	DESIGN	CONST	ST	DESIGN				
	A	RD, SA	RW	AP, SA, NM	RD, SA	RW	AP, SA, NM	RD, SA	RW	AP, SA, NM				
	B	SP, RT		SP, RT, MG	SP, RT		SP, RT, MG	SP, RT		SP, RT, MG				
	C	PR, NM		UC, PR, SZ	PR, NM		UC, PR, SZ	PR, NM		UC, PR, SZ				
	I	HOC	WORKSHOP	WORKSHOP	HOC	HOC	WORKSHOP	WORKSHOP	HOC	HOC	WORKSHOP	WORKSHOP	HOC	
	A	PR, RT	AP, MG (1-60)	SA, SZ (61-120)	PR, RT	PR, RT	AP, MG (1-60)	SA, SZ (61-120)	PR, RT	PR, RT	AP, MG (1-60)	SA, SZ (61-120)	PR, RT	
	B		CA	CA			CA	CA						
	C		SA, SZ (61-120)	AP, MG (1-60)			SA, SZ (61-120)	AP, MG (1-60)			SA, SZ (61-120)	AP, MG (1-60)		
	I	ELEC I		CONST. MATERIALS	15 AUGUST INDEPENDENCE DAY CELEBRATION				ELEC I		CONST. MATERIALS	SITE VISITS, MODEL MAKING		
		Sket.& Rend. (AP, SZ)		VD, NM, MG					VD, MG	Sket.& Rend. (AP, SZ)		VD, NM, MG	VD, MG	
	A	Public Speak. (ABP, NM)								Public Speak. (ABP, NM)				
	B	Num. Abilities (MI, MG)								Num. Abilities (MI, MG)				
	C	Institut Proj- Sansk.(KK)		Institut Proj- Sansk.(KK)										
	I	ST	GRAPHICS	DESIGN	ST	GRAPHICS	DESIGN	ST	GRAPHICS	DESIGN				
	A	RW	AP, SA	AP, SA, NM	RW	AP, SA	AP, SA, NM	RW	AP, SA	AP, SA, NM				
	B		VD, RT, NM	SP, RT, MG		VD, RT, NM	SP, RT, MG		VD, RT, NM	SP, RT, MG				
	C		PR, SZ	UC, PR, SZ		PR, SZ	UC, PR, SZ		PR, SZ	UC, PR, SZ				
SATURDAY	SECOND SATURDAY			AUG 17 PATETI				FOURTH SATURDAY						

ACADEMIC CALENDER

AUG 26-AUG 31				SEPT 2-SEPT 7				SEPT 9 -SEPT 14							
9:15 to 12:15		1:00 to 4:00		9:15 to 12:15		1:00 to 4:00		9:15 to 12:15		1:00 to 4:00					
HOC	CONST	GRAPHICS		SEPT 2 GANESH CHATURTHI				HOC	CONST	GRAPHICS					
PR, RT	RD, SA	AP, SA						PR, RT	RD, SA	AP, SA					
	SP, RT	VD, RT, NM							SP, RT	VD, RT, NM					
	PR, NM	PR, SZ							PR, NM	PR, SZ					
CONST	ST	DESIGN		CONST	ST	DESIGN		SEPT 10 MOHARRAM							
RD, SA	RW	AP, SA, NM		RD, SA	RW	AP, SA, NM									
SP, RT		SP, RT, MG		SP, RT		SP, RT, MG									
PR, NM		UC, PR, SZ		PR, NM		UC, PR, SZ									
HOC	WORKSHOP	WORKSHOP	HOC	HOC	WORKSHOP	WORKSHOP	HOC	HOC	WORKSHOP	WORKSHOP	HOC				
PR, RT	AP, MG (1-60)	SA, SZ (61-120)	PR, RT	PR, RT	AP, MG (1-60)	SA, SZ (61-120)	PR, RT	PR, RT	AP, MG (1-60)	SA, SZ (61-120)	PR, RT				
	CA	CA			CA	CA									
	SA, SZ (61-120)	AP, MG (1-60)			SA, SZ (61-120)	AP, MG (1-60)			SA, SZ (61-120)	AP, MG (1-60)					
ELEC I		CONST. MATERIALS	SITE VISITS, MODEL MAKING	ELEC I		CONST. MATERIALS	SITE VISITS, MODEL MAKING	ELEC I		CONST. MATERIALS	SITE VISITS, MODEL MAKING				
Sket.& Rend. (AP, SZ)				Sket.& Rend. (AP, SZ)				Sket.& Rend. (AP, SZ)							
Public Speak. (ABP, NM)				VD, NM, MG	VD, MG			Public Speak. (ABP, NM)				VD, NM, MG	VD, MG	Public Speak. (ABP, NM)	
Num. Abilities (MI, MG)								Num. Abilities (MI, MG)						Num. Abilities (MI, MG)	
Institutional Proj- Sansk.(KK)		Institutional Proj- Sansk.(KK)		Institutional Proj- Sansk.(KK)		Institutional Proj- Sansk.(KK)		Institutional Proj- Sansk.(KK)							
ST	GRAPHICS	DESIGN		SEPT 6 MAHALAXMI POOJA				ST	GRAPHICS	DESIGN					
RW	AP, SA	AP, SA, NM						RW	AP, SA	AP, SA, NM					
	VD, RT, NM	SP, RT, MG							VD, RT, NM	SP, RT, MG					
	PR, SZ	UC, PR, SZ							PR, SZ	UC, PR, SZ					
MEETING	ACTIVITY	MEETING	ACTIVITY	SECOND SATURDAY											

ACADEMIC CALENDER

SEPT 16-SEPT 21			SEPT 23 -SEPT 28			SEPT 30-OCT 5			
9:15 to 12:15		1:00 to 4:00	9:15 to 12:15		1:00 to 4:00	9:15 to 12:15		1:00 to 4:00	
HOC	CONST	GRAPHICS	HOC	CONST	GRAPHICS	HOC	CONST	GRAPHICS	
PR, RT	RD, SA	AP, SA	PR, RT	RD, SA	AP, SA	PR, RT	RD, SA	AP, SA	
	SP, RT	VD, RT, NM		SP, RT	VD, RT, NM		SP, RT	VD, RT, NM	
	PR, NM	PR, SZ		PR, NM	PR, SZ		PR, NM	PR, SZ	
CONST	ST	DESIGN	CONST	ST	DESIGN	CONST	ST	DESIGN	
RD, SA	RW	AP, SA, NM	RD, SA	RW	AP, SA, NM	RD, SA	RW	AP, SA, NM	
SP, RT		SP, RT, MG	SP, RT		SP, RT, MG	SP, RT		SP, RT, MG	
PR, NM		UC, PR, SZ	PR, NM		UC, PR, SZ	PR, NM		UC, PR, SZ	
HOC	WORKSHOP	WORKSHOP	HOC	HOC	WORKSHOP	WORKSHOP	HOC	OCT 2 GANDHI JAYANTI	
PR, RT	AP, MG (1-60)	SA, SZ (61-120)	PR, RT	PR, RT	AP, MG (1-60)	SA, SZ (61-120)	PR, RT		
	CA	CA			CA	CA			
	SA, SZ (61-120)	AP, MG (1-60)			SA, SZ (61-120)	AP, MG (1-60)			
ELEC I		CONST. MATERIALS	SITE VISITS, MODEL MAKING	ELEC I		CONST. MATERIALS	SITE VISITS, MODEL MAKING	ELEC I	
Sket.& Rend. (AP, SZ)				Sket.& Rend. (AP, SZ)				Sket.& Rend. (AP, SZ)	
Public Speak. (ABP, NM)				Public Speak. (ABP, NM)				Public Speak. (ABP, NM)	
Num. Abilities (MI, MG)				Num. Abilities (MI, MG)				Num. Abilities (MI, MG)	
Institutional Proj- Sansk.(KK)				Institutional Proj- Sansk.(KK)				Institutional Proj- Sansk.(KK)	
ST	GRAPHICS	DESIGN	ST	GRAPHICS	DESIGN	ST	GRAPHICS	DESIGN	
RW	AP, SA	AP, SA, NM	RW	AP, SA	AP, SA, NM	RW	AP, SA	AP, SA, NM	
	VD, RT, NM	SP, RT, MG		VD, RT, NM	SP, RT, MG		VD, RT, NM	SP, RT, MG	
	PR, SZ	UC, PR, SZ		PR, SZ	UC, PR, SZ		PR, SZ	UC, PR, SZ	
MEETING		ACTIVITY		FOURTH SATURDAY			MEETING		ACTIVITY

ACADEMIC CALENDER

OCT 7-OCT 12				OCT 14- OCT 19			
9:15 to 12:15		1:00 to 4:00		9:15 to 12:15		1:00 to 4:00	
HOC	CONST	GRAPHICS		OCT 14 DHAMMACHAKRA PRAVARTAN DIN			
PR, RT	RD, SA	AP, SA					
	SP, RT	VD, RT, NM					
	PR, NM	PR, SZ					
OCT 8 DUSSHERA				CONST	ST	DESIGN	
				RD, SA	RW	AP, SA, NM	
				SP, RT		SP, RT, MG	
				PR, NM		UC, PR, SZ	
HOC	WORKSHOP	WORKSHOP	HOC	HOC	WORKSHOP	WORKSHOP	HOC
PR, RT	AP, MG (1-60)	SA, SZ (61-120)	PR, RT	PR, RT	AP, MG (1-60)	SA, SZ (61-120)	PR, RT
	CA	CA			CA	CA	
	SA, SZ (61-120)	AP, MG (1-60)			SA, SZ (61-120)	AP, MG (1-60)	
ELEC I		CONST. MATERIALS	SITE VISITS, MODEL MAKING	ELEC I		CONST. MATERIALS	SITE VISITS, MODEL MAKING
Sket.& Rend. (AP, SZ)				Sket.& Rend. (AP, SZ)			
Public Speak. (ABP, NM)				Public Speak. (ABP, NM)			
Num. Abilities (MI, MG)				Num. Abilities (MI, MG)			
Institutional Proj- Sansk.(KK)		VD, NM, MG	VD, MG	Institutional Proj- Sansk.(KK)		VD, NM, MG	VD, MG
ST	GRAPHICS	DESIGN		ST	GRAPHICS	DESIGN	
RW	AP, SA	AP, SA, NM		RW	AP, SA	AP, SA, NM	
	VD, RT, NM	SP, RT, MG			VD, RT, NM	SP, RT, MG	
	PR, SZ	UC, PR, SZ			PR, SZ	UC, PR, SZ	
SECOND SATURDAY				MEETING		ACTIVITY	

Principles of aesthetic - 6th & 9th Aug- (6 Hours)

Assignment - Understanding Basic Principles of Aesthetics through photographs of other artists and photographs clicked by students (group 5 assignment).

Teachers Input- Power point Presentation on aesthetics .

Objective - To Understand basic of aesthetics and application in various art forms.

Expected Output- A2 sheet with proper analysis.

Introduction of Elements of Design & Organizational Principles in Composition - 13th, 16th & 20th Aug (9Hours)

Assignment - Creating optical illusion through 2D composition.

Teachers Input- Power point Presentation.

Objective - Introduction to the building blocks and grammar of architecture .

Expected Output- A2 sheet with proper analysis.

Colour wheel - 23rd & 27th Aug (6 Hours)

Assignment- Rendering the 2D composition creating optical illusion

Teachers Input- Power point Presentation

Objective - To understand Color theory through color wheel and get proper knowledge of how to use colors in designs or any art work.

Expected Output- A2 sheet of creative color wheel

ARCHITECTURAL DESIGN - I

Anthropometry - 30th Aug & 3rd Sep (6 Hours)

Assignment- Group of 5 students to document their measurements (2positions- standing and sitting) creating percentile graphs for representing students in excel B) To identify and document small activity space for 5 people

Objective -To understand the human dimensions anthropometry agronomics- functional spaces and circulation spaces for various activities(formal & informal).

Teachers Input- Demonstrations

Expected Output- A2 sheet for group assignment .

Form and Spaces- 13th & 17th Sep (6 Hours)

Assignment -To understand volumes, enclosure of sapce,semi-enclosed spaces, defining space by elements ,light and shade as contributing factors and colours ,textures and forms, view, visual relationship.(spatial experience)

Teachers Input- Demonstrations on site visit

Expected Output- A2 sheet for group assignment.

Creative exercise - 20th Sep (3 Hours)

Objective -To convert 2d composition to 3d form & Application of scale, material and spatial experience to 3d form.

Teachers Input- Demonstrations and PowerPoint presentation.

Expected Output- A2 sheet for group assignment.

DESIGN

Design Co-Ordinator :
Prof. Atula Patwardhan

Design Team :

Sec A
Prof. Atula Patwardhan,
Ar. Samrudhi Amte,
Ar. Nehal Maheshwari

Sec B
Dr. Sampada Peshwe
Ar. Rashmi Thakre
Ar. Madhuri Gehani

Sec C
Dr. Ujwala Chakradeo
Ar. Piyusha Rathor
Ar. Samta Zambad

Objectives of Architectural Design I

The primary objective shall be to develop in students the understanding and relevance of human scale and space formation, elements of built form and its role in spatial realms.

Keywords :

Anthropometry, Human dimensions, Circulation spaces, Form & Spaces, Spatial Experience, Elements of Built Form

References :

-Ching Francis D. K., Form Space and Order.

-Ching Francis D. K., A Visual Dictionary of Architecture.

-Pierre Von Meiss -Elements of Architecture from form to place

-Yatin Pandya- Elements of Space Making Christopher Alexander- Pattern Language

Documentation of Single activity (G+1) - 24th & 27th Sep- (6 Hours)

Assignment - Documenting G+1 single activity in group of 5.

Teachers Input- Discussion and guidance for documentation.

Objective - To understanding the architectural intervention through single activity unit .

Expected Output- A2 sheet showing the following: Location map, plan with facilitation, 2 section, elevations .

Major project (Individual work) - (9Hours)

Assignment - designing the space for any selected activity and application of anthropometry and ergonomics.

Teachers Input- Discussion and guidance.

Objective - To understand the space requirement for any activity.

Expected Output- A2 sheet showing site plan, Plans ,sections ,elevation and views

Design Co-Ordinator :
Prof. Atula Patwardhan

Design Team :

Sec A
Prof. Atula Patwardhan,
Ar. Samrudhi Amte,
Ar. Nehal Maheshwari

Sec B
Dr. Sampada Peshwe
Ar. Rashmi Thakre
Ar. Madhuri Gehani

Sec C
Dr. Ujwala Chakradeo
Ar. Piyusha Rathor
Ar. Samta Zambad

EVALUATION SCHEME

Attendance	Minor Project	Major Project	Viva	Total
60	60	105	75	300

Objective of Allied Design Studio - I :

Developing skills in manual presentation techniques, use of various media of presentation, Principles of 2-D & 3-D compositions, Principles of Design.

Visual art :

Visual Art is aimed at providing knowledge and understanding of various visual arts and its importance. It further aims at developing the freehand drawing and rendering skills in different medium and using it as tool of expressing ideas visually..

Keywords :

point, line and plane, visual textures, optical illusion, Repetition, Variety, Radiation, Rhythm, Gradation, Emphasis & Subordination, Proportion, Harmony, Balance. hues, values, and shades. Color wheel, color composition, properties of color.

Introduction to Building Construction as a subject & its relevance to Architectural Design - 5th & 6th Aug- (4 Hours)

Topic - Building elements, types and subtypes, basic understanding of elements from foundation to roof - Purpose / function, utility and necessity of all such elements.

Introduction to common architectural vocabulary by moving around the college building.

Topic - Construction and the Logic of Stability as its basis, construction principles with respect to structural stability. Support and supported elements, concept of span and span - loading co-relation.

Teachers Input- Demonstration and Discussion.

Expected Output- Sketches in A3 Sketchbook.

Teachers Input-Discussion.

Expected Output- Sketches in A3 Sketchbook.

Introduction to Building Materials - 8th Aug (1 Hour)

Topic - Introduction to Building Materials and its compositions.

Teachers Input - Tabular compilation on board.

Types of Bricks - 13th & 19th Aug (4 Hours)

Topic - Introduction to Various Types of Bricks.

Teachers Input- Discussion and board sketching.

Expected Output- Sheets & Sketches in A3 Sketchbook.

Brick Masonry - 20th Aug (2 Hours)

Topic - Introduction to principles and rules in Brick Masonry.

Teachers Input- Discussion and board sketching.

Expected Output - Sketches & notes in A3 Sketchbook.

Building materials- 22nd Aug (3 Hours)

Topic - Introduction to Brick and Stone as Building materials.

Teachers Input- PPT Presentations & Videos..

Expected Output - Sketches & notes in A3 Sketchbook.

Types of Bricks - 26th, 27th 29th Aug. & 3rd Sep (9 Hours)

Topic - Types of Brick Masonry used in Load Bearing Walls such as English Bond & Flemish Bond (Single Flemish & Double Flemish Bond).

Teachers Input- Site visit for basics of Brick masonry and basic building components & elements.

Expected Output - Sheets & Sketches in A3 Sketchbook.

Building materials- 5th Sep (3 Hours)

Topic - Presentation on Lime and Cement as Building materials.

Teachers Input- PPT Presentations & Videos..

Expected Output - Sketches & notes in A3 Sketchbook.

BUILDING CONSTRUCTION AND MATERIALS - I

Construction Co-Ordinator :
Ar. Piyusha Rathor

Construction Team :

Sec A -
Dr. Roopal Deshpande
Ar. Samruddhi Amte,

Sec B -
Dr. Sampada Peshwe
Ar. Rashmi Thakre

Sec C -
Ar. Piyusha Rathor
Ar. Nehal Maheshwari

Objectives of Building Construction and Materials

- To develop understanding about building materials and construction of various elements with its design principle and decision making process for selection of each.
- This also aim at introducing students with design ability for a certain building element integrating with architectural space and demand of time and place.

Keywords :

Building Elements & Components, Building Materials, Brick & Stone Masonry, Piers, Structural systems.

References :

-Building Construction by W.B.McKay, Barry - The Construction of Buildings.

Piers – 9th Sep - (2 Hours)

Topic –Introduction to use of Piers (Attached & Detached Piers) in Load Bearing Walls.

Teachers Input– Discussion and board sketching.

Expected Output – Sketches in A3 Sketchbook.

Stone Masonry – 12th Sep - (3 Hours)

Topic –Types of Stone Masonry with Dressed and Undressed Stones, Composite Masonry.

Teachers Input– Discussion and board sketching.

Expected Output– Sheets & Sketches in A3 Sketchbook.

Structural Systems –16th, 17th, 19th, 23rd, 24th, 26th & 30th Sep – (16 Hours)

Topic – Introduction to Basic Structural Systems, Load Bearing, Frame Structure and Composite structure, load transmission, suitability, merits, demerits etc. Introduction and understanding of various Subsystem such as Horizontal, Vertical and foundation Sub systems with respect to structural functions, utility and application in building design and construction.

Teachers Input–Site visit for basics of structural systems, Load Bearing, Frame Structure and Composite structure. Discussion and board sketching.

Expected Output– Sheets & Sketches in A3 Sketchbook. Group work exploring systems through models/ Isometric views.

EVALUATION SCHEME

Attendance	Plates, Models	Site Visit	Sessional + Test	TOTAL
30	50	10	60	150

BUILDING CONSTRUCTION AND MATERIALS - I

Construction Co-Ordinator :
Ar. Piyusha Rathor

Construction Team :

Sec A –
Dr. Roopal Deshpande
Ar. Samruddhi Amte,

Sec B –
Dr. Sampada Peshwe
Ar. Rashmi Thakre

Sec C –
Ar. Piyusha Rathor
Ar. Nehal Maheshwari

Objectives of Building Construction and Materials

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Keywords :

Building Elements & Components, Building Materials, Brick & Stone Masonry, Piers, Structural systems.

References :

-Building Construction by W.B.McKay, Barry – The Construction of Buildings.

Assignment 1- 9th Aug- (2 Hours)

Assignment – Architectural lettering in varying heights and thickness and dimensioning -To develop one's own style of writing

Teachers Input- Introduction to Architecture lettering, dimension

Expected Output- Exercise on writing alphabets and numerical in various font style.

A2 Size sheet

Submission Date- 16th Aug

Assignment 2- 16th Aug- (2 Hours)

Assignment – Explore various building materials and components

Teachers Input- Introduction to Architectural annotations and conventions

Expected Output - Exercise on making A2 size sheet of material texture.

Submission Date- 19th Aug

Assignment 3- 19th Aug- (3 Hours)

Assignment-Applications of scales to Enlarge True,or to Reduce the objects in drawing.

Teachers Input- Introduction to application of scales to object drawing

Expected Output -A2 size sheets

Submission Date- 23rd Aug

PLANE AND SOLID GEOMETRY

Assignment 1- 23rd Aug- (2 Hours)

Assignment- Construct planes like square, triangle ,Pentagon ,Hexagon etc.

Teachers Input - Introduction to construction of planes

Expected Output- A2 size sheets

Submission Date- 26rd Aug

Assignment 2- 26th Aug and 30th Aug- (5 Hours)

Assignment-Study of scales, their use in practice and construction of Plain

Teachers Input- Introduction to plain scales

Expected Output- A2 size sheet

Submission Date- 9th Sept

Assignment 3- 9th Sept and 13th Sept- (5 Hours)

Assignment -Examples explained and solved on black board

Teachers Input- Orthographic, Isometric and Axonometric projection

Expected Output- Solved problems on A2 size sheets.

Submission Date- 16th Sept

Assignment 3- 16th Sept , 20th Sept and 23rd Sept - (8 Hours)

Assignment -Examples explained and solved on black board

Teachers Input- Three dimensional geometrical objects/forms.

Expected Output- Solved problems on A2 size sheets.

Submission Date- 27th Sept

ARCHITECTURAL GRAPHICS - I

Graphics Co-Ordinator :
Prof. Vishwas Dikhole

Graphics Team :

Sec A
Prof. Atula Patwardhan,
Ar. Samrudhi Amte,

Sec B
Prof. Vishwas Dikhole
Ar. Rashmi Thakre
Ar. Nehal Maheshwari

Sec C
Ar. Piyusha Rathor
Ar. Samta Zambad

Objectives of Architectural Graphics :

To introduce students to architectural drawing techniques and to the language of graphics, its vocabulary and grammar such as scale, annotations, labeling and dimensioning.

To enable students to express simple three dimensional objects and building components through Technical Drawings, using various graphic projection systems

Keywords :

Architectural lettering and dimensions, scale ,construction of planes, projections

References :

- Ching Francis D.K.: Architectural Graphics
- Gill Robert: Rendering with pen and ink
- H. Joseph and Morris: Practical plane and solid geometry

SCALE DRAWING

Assignment 1 – 30th Sept, 4th,7th,11th Oct (10 HOURS)

Assignment – Small G+1 unit with toilet and staircase proper scale Plan, elevations, roof plan, trees , human beings, textures

Teachers Input– Sketching on board and Discussion

Expected Output– A2 sheet

Test 1 + Portfolio Submission 1 – 27th Sept

Test 2 + Portfolio Submission 2 – 18th Oct

EVALUATION SCHEME

Attendance	Portfolio	Test + Sessional	Total
20	25+25	10+20	100

ARCHITECTURAL GRAPHICS - I

Graphics Co-Ordinator :
Prof. Vishwas Dikhole

Graphics Team :

Sec A
Prof. Atula Patwardhan,
Ar. Samrudhi Amte,

Sec B
Prof. Vishwas Dikhole
Ar. Rashmi Thakre
Ar. Nehal Maheshwari

Sec C
Ar. Piyusha Rathor
Ar. Samta Zambad

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- Gill Robert: Rendering with pen and ink
- H. Joseph and Morris: Practical plane and solid geometry

HISTORY OF CIVILIZATION

Introduction - 14th Aug -

(2Hours)

Introduction to the architecture of early civilizations as an expression of art and culture of that place.

Unit I: Prehistoric Architecture - 19th & 21st Aug - (3 Hours)

Evolution of architecture. A study of primitive people, shelters, settlements.

Unit II: Nile Valley Civilization - 26th & 28th Aug - (3 Hours)

The impact of the context, culture and society on art sculpture and Architecture of the Egyptian Civilization. evolution of tombs, valley of Kings, necropolis.

Unit III: Indus Valley Civilization - 4th & 9th Sep - (3

Hours)
The impact of the context, culture and society on art sculpture and Architecture during Early Indus settlements in Mehrgarh, Harrapa, Mohenjo Daro, Dholavira.

Unit IV: Euphrates & Tigris river valley Civilization - 11th & 16th Sep - (3 Hours)

The impact of the context, culture and society on art sculpture and Architecture of Assyrian, Sumerian, Mesopotamian and Babylonian period.

Unit V: Yellow River Civilization - 18th & 23rd Sep - (3 Hours)

The impact of the context, culture and society on art sculpture and Architecture during Prehistoric, Xia Dynasty, Shang Dynasty and Zhou Dynasty.

Unit VI: Vedic Architecture and Settlements - 25th & 30th Sep-(3

Hours)
Rise of cities, Mahajanapadas, Introduction to scripture.

Revision class & test - 7th & 9th Oct

EVALUATION SCHEME

Attendance	Minor Project	Major Project	Viva	Total
20	20	35	25	100

HISTORY OF CIVILIZATION

Team:

Ar. Piyusha Rathor
Ar. Rashmi Thakre

Objectives

- To provide an introduction to the architecture of early civilizations as an expression of art and culture of that place.
- To understand and interpret basic needs and lifestyle as the deciding factors for growths of early settlements.

References :

- History of World Civilizations by J.E. Swain.
- A Short History of the World - H. G. Wells.

Unit I:

Overview of the Structural System in Architecture (6th Aug – 16th Aug) **TOPIC**

- Study of types of beams and types of loads.
- Load bearing structures
- Rcc frame structure
- Steel trusses in residential & industrial bldg.
- With suitable examples from historical and contemporary architecture

Unit II:

Introduction to Structural Mechanics(20th Aug – 30th Aug)

TOPIC

- Introduction of forces, composition, resolution, moments and couples
- Resultant forces, concurrent and non-concurrent
- co planar force systems
- Principle of moments
- Virignon ;theorem

Unit III:

Principle Of Equilibrium -2D Elements (3rd Sept- 17th Sept)

TOPIC

- Basic principles and conditions of equilibrium
- Study of lami's theorem and free body diagrams
- Study of structural support reactions:-study of reactions of simple support, hinged support, roller support and fixed support.

Unit IV:

Geometric Properties of Plane sections(20th Sept-1st Oct)

TOPIC

- Centre of gravity
- Moment of inertia
- Section modulus
- Radius of gyration
- Polar moment of inertia

Unit V:

Analysis of Trusses (4th Oct-18th Oct)

TOPIC

- Perfect Frames

EVALUATION SCHEME

Model	Practical	Total
30	70	100

STRUCTURAL DESIGN & SYSTEMS - I

Teachers In charge:
Mr. Rupal Wadegaokar

Objectives of Structures

- This course provides students with a basic knowledge of structural systems used in buildings.
- Emphasis will be more on structural concepts stability of forms rather than intricate numerical calculations while dealing with different structural concepts. This will make the student familiar with basic structural mechanics concepts.

Introduction to M.S. Word – 7th Aug – (2 hours)**Topics-** User interface

Use of command line
Page setup
Page background
Paragraph Formatting
Use of Commands–
find, replace, select
Mail merge

Batch A (1-60) Morning
Batch B (61-120) Afternoon

Expected Output - Layout on master architect works.

Assignment Submission- 14th Aug.

Introduction to M.S. PowerPoint – 21st Aug – (2Hours)**Topics** -Formatting pictures and clip arts
Inserting and editing a
smart art,

Gifs images
Creating a photo album
Applying themes

Batch A (1-60) Morning
Batch B (61-120) Afternoon

Expected Output -. PowerPoint Presentation on some social issue for e.g.: global warming.

Assignment Submission- 28th Aug.

Introduction to M.S. Excel – 4th Sep – (2 Hours)**Topics** -Selecting/deselecting cells
Entering data in a cell
Editing and moving cell
content

Inserting/deleting cells
Rows and columns
Auto fill
Custom lists

Batch A (1-60) Morning
Batch B (61-120) Afternoon

Expected Output -. Anthropometry measurements in Excel

Assignment Submission- 11th Sep.

Introduction to Photoshop – 18th Sep – (2 Hours)**Topics** - Page setup
Layer setup
Basic tools

Batch A (1-60) Morning
Batch B (61-120) Afternoon

Expected Output -. Campus Poster in Photoshop.

Assignment Submission- 9th Oct.

Final Submission- 16th October 2019

EVALUATION SCHEME

Assignment	Sessional	Total
30	20	50

C

OMPUTER APPLICATION - I

Team :

Prof. Atula Patwardhan
Ar. Samrudhi Amte,
Ar. Madhuri Gehani
Ar. Samta Zambad

Objective of Computer Application I :

This subject is to empower students with computer software useful for architects to enhance the skills of presentation ,drafting and coordination of design and other subjects.

To learn presentation software for enhancement of architectural drawings, sketches and convey ideas through presentations.

Date	Roll Nos. and Batch		Task (Marks)	Roll Nos.		Task(Marks)
	Batch 1	Batch 2		Batch 1	Batch 2	
7-Aug	1to 20	61to 81	Lap Joint (10)	21to 61	82 to 120	Cutting negative spaces (Geometry)(10)
14-Aug	21to 41	82-102		1to 20	61to 81	Cutting negative spaces
21-Aug	42-62	103-120		Completion of work and checking		
28-Aug	1to 20	61to 81	Mortise - Tenon Joint (15)	21to 61	82 to 120	Cutting negative spaces (New composition) (10)
4-Sep	21to 41	82-102		1to 20	61to 81	Cutting negative spaces
11-Sep	42-62	103-120		Completion of work and checking		
18-Sep	1to 20	61to 81		21to 61	82 to 120	Product Design (Desk Organizer)(15)
25-Sep	21to 41	82-102		1to 20	61to 81	Product Design (Desk Organizer)
9-Oct	42-62	103-120	Completion of work and checking			
16-Oct	Extra class or making of solids in file board					

Team:

Batch 1 (Roll No. 1 to 60):
Prof.Atula Patwardhan
Ar. Madhuri Gehani

Batch 2 (Roll No. 61 to 120):
Ar. Samruddhi Amte
Ar. Samta Zamad

Aim

To provide the foundation and capability to represent the concepts three dimensionally.

Objectives

- To introduce the students the various skills and techniques necessary to produce scaled models (Paper and Wooden)
- Expected skills in this subject or area is dexterity, Learning by doing ,knowledge of materials (wooden carpentry joints and cutting paper with different thickness) and their properties ,crafts skills and visualization skills.
- Teacher's Input - Demonstrations
- Students Output- Carpentry job work, Models(Paper),sheet.

EVALUATION SCHEME

Attendance	Sessional	Test	Total
20	60	20	100

BASICS OF SKETCHING

EXERCISE 1st – 8th Aug- (3 Hours)

Topic- Introduction to sketching material (Grade pencils, charcoal, paint, paper type and quality etc.)

Assignment- Students are required to make a plate using various grade pencils by giving pressure to know the quality/lightness/darkness of it.

EXERCISE 2nd – 22nd Aug- (3 Hours)

Topic- Introduction to Texture.

Assignment- Explore various material textures visually with pencil as medium (sketches in sketch book).

RENDERING TECHNIQUES

EXERCISE 3rd – 29th Aug- (3 Hours)

Topic - Geometrical object drawing and Rendering Techniques.

Assignment- To draw geometric objects and render with various techniques considering light and shades.

EXERCISE 4th – 5th Sept and 12th Sept - (6 Hours)

Topic - Complete the picture .

Assignment- As per given half picture students have to complete it by visualizing the complete picture.

EXERCISE 5th – 19th Sept and 26th Sept- (6 Hours)

Topic- One point perspective (tree, building)

Assignment- Sketches of small objects in one point perspective.

EXERCISE 6th – 3rd Oct and 10th Oct - (6 Hours)

Topic- Story Making (including or with the help of one point perspective).

Assignment- Make storyboard by using one point perspective elements as part of the story.

FINAL SUBMISSION - 17th Oct

EVALUATION SCHEME

Attendance	Test	Assignment	Total
20	20	60	100

S KETCHING AND RENDERING

ELECTIVE - I

Team

Prof. Atula Patwardhan

Ar. Samta Zambad

VISION- Sketching is central to Architecture. It is, along with a presentation technique, a tool for thinking. Often it is observed that even a minimal sketch is more expressive than a page full of text. The body of architectural sketches by master architects, from doodles to those rendered with painstaking details remains an inspiration for designers across generations.

List of material required - A3 size padding board, cartridge sheet, checkered handmade sheet, sketchbook-a4 size

Grade pencils -2b,4b,6b,8b,10b, charcoal stick/pencil, black marker pen, rotaring - point 2,4, waterproof ink, round brush-no.-2,5,7 ½ inch flat brush, palate, water container, cloth, sponge.

Objectives of Sketching & Rendering

- Students to equip with fundamental techniques of sketching and rendering.
- To develop a medium for thinking and explorations.

Keywords :

Visual thinking , representation, Geometric Drawings, Rendering techniques

References :

- Robert Gill, Rendering with pen and Ink,
- Thomas & Hudson Publishers, 1993

Introduction- 8th Aug- (3 Hours)

Task - Introduction of subject and ice breaking activities.

Teachers Input- Interaction and games

Objective - To make students comfortable with each other and develop a friendly group.

Expected Output- Active participation in activities .

Voice Modulation – 22nd Aug (3Hours)

Task - Explaining the basics of Public speaking and voice modulations.

Teachers Input- Presentation, Exercises for voice development.

Assignment -1

Story Writing with a Twist and Reciting.

Expected Output- Reading (using proper voice modulation and punctuations).

Script Writing - 29th Aug (3 Hours)

Task- How to write a script?

Teachers Input- Explanation through discussions and interactions

Objective - To develop the writing skills and raise confidence to address the crowd

Expected Output- Story writing with a twist and reciting

Speech delivery - 5th Sep (3 Hours)

Task - Speech delivery by students on topic - Teacher's Day.

Teachers Input- Listening and helping to improve.

Assignment - 2

Writing a speech for Teacher's Day

Expected Output- Delivering speech

Presentation - 12th Sep (3 Hours)

Task - How to give presentation.

Teachers Input- Presentation and discussion.

Objective

To develop the ability to speak with confidence.

Expected Output- Understanding and adopting the learnings.

Sheet Presentation - 19th & 26th Sep (6 Hours)

Task - Students presentation through sheet

Teachers Input- Listening and helping to improve and also some group discussion on social issues.

Assignment - 3

Presentation on an Architect.

Expected Output- Delivering presentation.

Sheet Presentation – 3rd & 10th Oct (6 Hours)

Task - Introducing and Interviewing celebrity for practical interview.

Teachers Input- Managing a free flow exercise and help students in refinement.

Assignment - 4

Practical Interview (Exam)

Expected Output- Taking Interview

Team

Adv. Abharani Patwardhan
Ar.Nehal Maheshwari

Vision :

Public speaking is speaking to a group of people in a structured and deliberate manner intended to inform, influence, and entertain the listeners. The purpose of public speaking can range from simple transmitting information, to motivating people. In public speaking, as in any form of communication, there are five basic elements, often expressed as-who is saying? What is saying? To whom? Utilizing what medium? With what effect?

Objective :

- To develop the skills to address crowd.
- Visual aids in public speaking.
- The psychology of audience.
- To develop the ability to speak with confidence
- To orient the students for preparation of the speech
- To help the students to overcome some of the mega fears of public speaking
- To teach the students-
- How to start presentation and to end with great output and leaving impact on crowd
- Proper use of body language
- Use of voice modulation

Keywords :

Speaker, Audience, topic, Skills, psychology of audience.

Readings :

You Can Win – Shiv Khera
Wings Of Fire – Dr. Abdul Kalam
I Dare – Dr. Kiran Bedi
Talk like Ted – Carmine Gallo

EVALUATION SCHEME

Attendance	Assignment -3	Exam	Total
20	20+20+20	20	100

UNIT 1- 8th Aug- (3 Hours)

Chapter 1-Introduction of Sanskrit & relation of Sanskrit with Architecture.

UNIT 2- 22nd Aug- (3 Hours)

Memory game

Chapter 2 - Uttamah chhatrah

Chapter3 - Vayam Milaamah
reading of Vastushatra shlokas.

TEST

Assignment - write 20 Sanskrit sentences based on present tense

Input - By playing language memory game.

UNIT 3- 29th Aug- (3 Hours)

Sanskrit word game

Chapter4- Sajjanau Raamasomau

Chapter5 - Varshaakaalah
shlok reading

TEST

Assignment -Collect 20 Sanskrit words in dual form .

Input - By dual form word game

UNIT 4 - 5th Sept- (3 Hours)

Chapter6 - Mathuraayaatraa

Chapter7- Prashnottaraani

skit presentation based on above
vastushatra shlok

TEST

Assignment- Skit presentation on fourth unit

Input - By showing some Sanskrit videos

UNIT 5 - 12 Sept -(3 Hours)

Chapter8- Mam Dinacharyaa

Chapter9- Vivekyuktah Meenah

TEST

Assignment - write own daily routine in Sanskrit

Input - By question answer method

UNIT 6- 19th Sept -(3 Hours)

Chapter10- Vayam Bhaarateeyaah

Chapter11- Vidyaalayah

TEST

Assignment - Group activity on nation's greatness .

UNIT 7- 26th Sept- (3 Hours)

Chapter12-Geetaani Shrunomi

Chapter13 - Vastraani Kreenaami

PPT based on above

class competition.

Assignment - Group wise Sanskrit song presentation.

Input -By some audio clips

UNIT 8- 3rd Oct-(3 Hours)

Chapter14- Updeshah

Chapter15- Veeraanganaa Lakshmeebai

TEST

Assignment - Speech on our Revolutionars.

Input -By story telling

UNIT 9- 10th Oct- (3 Hours)

Syllabus based PPT & videos

chapter16-Greeshmaavakaashah

Chapter17 - . Konaarkah

TEST

Assignment - Draw Konaarka mandir on A4 size paper.

Input- Teacher will show picture of konaarka mandir.

FINAL SUBMISSION - 17TH Oct

EVALUATION SCHEME

Attendance	Test	Assignment	Total
20	20	60	100

SANSKRIT

Teacher In-Charge

Dr. KALYANI KALE

Objectives of Sanskrit -

-Sanskrit is the mother language of all Indian languages.

-Our ancient scientific knowledge is the treasure of proud and we want to introduce our students with this.

-Indian Architecture is the most famous and most scientific. An ancient Architecture preserved in Sanskrit literature. Which is relevant and demanded everywhere.

-We want our precious students learn and feel proud about India and Indian knowledge.

-Learning of Sanskrit language targets on above objectives.

Keywords :

-Sanskrit communication

-Way to Architecture knowledge

References :

-Prathamaa Deekshaa book set

-Dwiteeyaa Deekshaa book set

Introduction to 2D and 3D (8th August 2019)

Assignment-To understand the basic geometry and its evolution and creating 2-3options with respect to architecture.

Objective - To Understand the interesting application of mathematics in architecture without using complex mathematical operations and formulae.

Introduction to surface area and volumes of 3d Objects (22nd Aug 2019)

Assignment-To understand the volumes of 3D objects and solving numerical assignment based on this.

Objective - To Understand the basic of areas ,volumes and incorporating it in architecture.

Introduction to Fibonacci series (29th Aug 2019)

Assignment-To understand the Fibonacci series and its application with 2-3 examples in nature and architecture.

Objective - To Understand the basic design theories and its application in architecture.

Introduction to Fractals, tessellation and its application in architecture.(5th September 2019)

Assignment- Creating 2-3options with respect to architecture in nature.

Objective - To Understand the basics of fractals and tessellation in architecture.

Overlapping and Interlocking of geometric patterns.(12th September 2019)

Assignment- Creating a option with its plans and views showing its interlocking in architecture.

Objective - To Understand the repeated geometric patterns like squares and circles which maybe overlapped or interlaced to form intricate complex Islamic jalis

Introduction to Golden section, Golden ratio and rectangle.(19th September 2019)

Assignment - Incorporating and explaining these theories by selecting one historic building/ famous architectural building.

Objective - To Understand the fundamentals of basic geometry as found in nature.

Class Test (26th September 2019)

Introduction to Platonic Solids. (3rd October 2019)

Assignment - Model making of platonic solids.

Objective - Understanding the geometry of Platonic Solids and their applications in Architecture

Sessional Test (10th October 2019)

Overall Submission (17th October 2019)

EVALUATION SCHEME

Attendance	Assignments	Sessional	Test	Total
20	60	10	10	100

Numerical Ability

Team:

Ar.Manjiri Indurkar
Ar.Madhuri Gehani

Objectives of Numerical Ability:

- The objective of this course is to inculcate the interesting application of mathematics in architecture without using the complex mathematical operations and formulae.
- The focus is to make the students understand the mathematics that exhibit in nature.

Keywords :

Mathematics and architecture, Nature and mathematics, Geometry.

References :

- The divine proportion: a study in mathematical beauty by H.E. Huntley.
- The Golden Ratio and Fibonacci Numbers,R.A Dunlap.
- Geometry of Design, Kimberly Elam
- Fibonnaci and lucas numbers and golden section, steven vajda
- A mathematical history of the golden number, Roger Herx-Fischler
- The Golden ratio: the facts and the myths, Francis D.Hauser.

Teacher In- Charge

Dr. Nalini Wadjikar

Sr. No.	Pre-Diwali Tournaments	Sr. No.	Post-Diwali Tournaments
1	Cross Country	1	Athletics
2	Swimming	2	Ball Badminton
3	Table-Tennis	3	Cricket, Hockey, Hand Ball
4	Badminton	4	Kabbadi
5	Basket Ball	5	Kho-kho
6	Volley Ball	6	Adventure
7	Chess, Yoga	7	Taikwando, Tagowar (Rassikhech) activity

ELIGIBILITY

- Players who have already participated in school levels.
- Interested students can participate in various games.

SELECTION

- Every Saturday – 12.00 to 1.00 p.m.
- Department of Physical Education & Sports conducts physical efficiency test & medical exam for all the students. It is Compulsory for all.

FACILITIES

- Playfields for practice all the games.
- Badminton Court available for practice
- Basket Ball Cement Court available in LAD, Shankar Nagar, Nagpur.
- Players those are participate in various games – conveyance allow. refreshment, sports equipments are provided by the college.
- Attendance is considered by the teacher during practice and tournaments.

ELIGIBILITY RTM Nagpur University given incentives of 10 marks to players who participate in inter-collegiate tournament.