MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, GWALIOR
(A Govt. Aided UGC Autonomous& NAAC Accredited Institute Affiliated to RGPV, Bhopal)

Finishing School Program (Online Internship)-2021

Proposal for Finishing School Program for all Pre-Final Year and Final year Students

Name of Department	Department of Architecture & Planning
Module Name	**Advanced Software Application in Architecture**
Module Coordinators	1) Ar Dhruv Aditya Jain 2) Ar Anmol Gupta 3) Ar Harshita Mishra
Module Objective	The module is divided into 3 Part which is designed for the architecture students with following objectives: **First Part - Architectural modeling in 3Dsmax for Beginners** • Introduction of Architectural modeling in 3Ds max is for absolute beginners. • This course will cover the essentials of Interface, View ports navigation, Converting 2D plan in 3D, Applying Doors & windows, Lights, Maps & materials • After doing this course students will be able to work in 3Ds MAX for converting 2D architectural plans in 3D structures for previsualization with confidence . **Second Part – Sketchup and Vray course for Interior Design** • Learn the core Sketchup skills required to model faster & more efficiently • Understand Vray lighting, materials, settings, render elements & more to create amazing Photorealistic Renders **Third Part – Introduction to Remote Sensing and GIS (Geographic Information Systems) Application** • The course will provide basic understanding about remote sensing and GIS technology. • This will cover application of QGIS software and exploration of various data sources

MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, GWALIOR
(A Govt. Aided UGC Autonomous& NAAC Accredited Institute Affiliated to RGPV, Bhopal)

Finishing School Program (Online Internship)-2020

Module Methodology	As , this Internship is divided into three parts: - • Online lectures will be conducted with live demonstration on software. • Hands-on training will be conducted on the specialized software platform. • Students will have to submit the assignments of respective module .
Module Outcome	On completion of this internship, students are able to: • Drawing and models that are made with the help of 3dsMax/Sketchup can be easily altered with quick deletion, addition or any other types of modification • It makes the architecture students to create a complex 3D drawing and its exploration in QGis without any difficulties.
Duration	15days

	Date	Day	Module Contents to be covered/Interactive Session/Assignment/Quiz/Exercises/Daily practice sheets (DPP)/Tutorial/Project etc(11:00 AM onward, 2 Hrs/ Day)	Faculty
			Day Wise Schedule	
			First Part – Ar Dhruv Aditya Jain **Architectural modeling in 3Dsmax for Beginners**	
First Part	14/05/2021	Fri	Introduction - 3ds Max Interface | Viewport Navigation & Display Mode | Create Basic Shape	Ar Dhruv Aditya Jain
	15/05/2021	Sat	Transform Object | Select Object, Rename, Hide, Freeze, Lock & Isolate | Auto Backup	Ar Dhruv Aditya Jain
	17/05/2020	Mon	Importing CAD 2D file in 3DsMAX Importing 2D image plan file in 3DsMAX Plain dimensions for image plan	Ar Dhruv Aditya Jain
	18/05/2020	Tue	3D wall through 2D line , Plain position First 3D wall on plan	Ar Dhruv Aditya Jain

Finishing School Program (Online Internship)-2020

	19/05/2021	Wed	Floor Plan proportion , Start Wall model , add windows & Door	Ar Dhruv Aditya Jain
	Second Part – Ar Anmol Gupta **Sketchup and Vray course for Interior Design**			
Second Part	20/05/2021	Thru	Introduction to Sketchup – Modelling a Contemporary room in sketchup, getting to know the interface	Ar Anmol Gupta
	21/05/2021	Fri	Introduction to Vray next for sketchup, set-up vray lights in a room,	Ar Anmol Gupta
	22/05/2021	Sat	Creating textures and Materials- Applying materials, editing materials, creating materials, applying images	Ar Anmol Gupta
	24/05/2021	Mon	Organizing Scenes- Grouping of objects, working with layers, creating layers, hiding, locking	Ar Anmol Gupta
	25/05/2021	Tue	Model and rendering setting in Vray for sketchup	Ar Anmol Gupta
	Third Part – Ar Harshita Mishra **Introduction to Remote Sensing and GIS (Geographic Information Systems) Application**			
Third Part	26/05/2021	Wed	Introduction to Remote Sensing | Satellite Imaginary | Google Earth	Ar Harshita Mishra
	27/05/2021	Thru	Role of GIS in Architecture & Planning	Ar Harshita Mishra
	28/06/2021	Fri	Geographic Information System | Components of GIS | Vector & Raster Data	Ar Harshita Mishra

Finishing School Program (Online Internship)-2020

29/05/2021	Sat	Introduction to QGIS Interface | Toolbars | Setting Coordinate system	Ar Harshita Mishra	
31/05/2021	Mon	Geo-referencing | Digitization – Point, Line, Polygon, etc.	Ar Harshita Mishra	
Module Coordinators Email Id and Mobile Number		1) Ar Dhruv Aditya Jain - dhruvadityajain@mitsgwalior.in, (7292983887) 2) Ar Anmol Gupta ganmol352@mitsgwalior.in, (7354261210) 3) Ar Harshita Mishra - harshitamishra95@mitsgwalior.in, (8120590895)		

Eligibility and Important Instructions :-

1. The Online Finishing School Program(Online training/Internship) is designed only for Pre-final & Final Year students of Architecture Department.

2. The students may apply online through Google form.

3. The Online Finishing School Program/ Summer Internship Program is free for the participants of Pre-final & Final year students of MITS, Gwalior. The participants have to install 3dsmax and other software prior to the workshop .

4. This online module will be conducted under the Finishing School Program which will be considered equivalent to Online Internship of Pre-final year students who could not get any Internship during this situation.

5. Duration of this program will be of four weeks which is equivalent to summer Internship period as per AICTE and our Institute policy. Daily no. of hours of online training may be flexible.

6. Certificates will be issued to candidates who have attendance 75% or more and also score more than 60% in the test.