Manipal School of Architecure and Planning, MAHE, Manipal

ARC 2103 - Architectural Representation – III (BIM) -- Assignment 1

CO1 : Build digital 3d models and develop rendered images (C3+P4+A1) (30 marks - 12+12+08 marks)

Rubric for Assignment 1A - Draft the 2D Plan & 3D of a single-storey house with doors, windows and furnitures.

Sl No.	FACTORS	Marks	Excellent	Very Good	Good	Novice	Emergent	Unsatisfactory
			Upto 100%	Upto 80%	Upto 60%	Upto 40%	Upto 20%	0
C3	Apply	4	Exemplary ability to apply all the learnt information. Construct all the drawings and details with appropriate labeling, proper hatching, usage of proportionate furniture, exploring different doors and windows.	Able to apply all the learnt information. Construct upto 80% drawings and details with appropriate labeling, proper hatching, usage of proportionate furniture, exploring different doors and windows.	Able to apply basic learnt information. Construct upto 60% the drawings and details with appropriate labeling, proper hatching, usage of proportionate furniture, exploring different doors and windows.	Somehow able to apply basic learnt information. Construct upto 40% of the drawings and details with appropriate labeling, proper hatching, usage of proportionate furniture, exploring different doors and windows.	Unable to apply basic learnt information. Construct only 20% drawings and details with appropriate labeling, proper hatching, usage of proportionate furniture, exploring different doors and windows.	Completely unable to apply basic learnt information and construct the drawings and details/ No submission.
P4	Articulate	4	Exemplary ability to articulate all the graphics with correct scale/proportion, appropriate representation techniques, and shows consistent quality of work.	Able to apply upto 80% of the graphics with correct scale/proportion, some representation techniques, and shows fair quality of work.	Able to articulate upto 60% of the graphics with some scale/proportion, some representation techniques, and shows satisfactory quality of work.	Somehow able to articulate upto 40% of the graphics with some scale/proportion, some representation techniques, and shows basic quality of work.	Able to articulate upto 20% of the graphics with some scale/proportion, some representation techniques, and shows basic quality of work.	Completely unable to articulate the graphics and shows unsatisfactory quality of work/ No submission.
A1	Receive	2	Exemplary ability to receive all the instructions. Describes all the work in a very clear and structured way.	Very good ability to receive the instructions. Describes upto 80% of the work in a clear and structured way.	Good ability to receive the instructions. Describes upto 80% of the work in a clear and structured way.	Somehow able to receive the instructions. Describes upto 40% of the work in a clear and structured way.	Unable able to receive the instructions. Describes only 20% of the work.	Completely unable to receive the instructions. No submission.

Rubric for Assignment 1B - Draft the plan, section, and elevation of multi-storey building detailing the staircase, furniture, railings, overhangs, etc.

Sl No.	FACTORS	Marks	Excellent	Very Good	Good	Novice	Emergent	Unsatisfactory
			Upto 100%	Upto 80%	Upto 60%	Upto 40%	Upto 20%	0
C3	Apply	4	Exemplary ability to apply all the learnt information. Construct all the drawings and details with appropriate labeling, proper hatching, usage of proportionate furniture, exploring different doors and windows.	Able to apply all the learnt information. Construct upto 80% drawings and details with appropriate labeling, proper hatching, usage of proportionate furniture, exploring different doors and windows.	Able to apply basic learnt information. Construct upto 60% the drawings and details with appropriate labeling, proper hatching, usage of proportionate furniture, exploring different doors and windows.	Somehow able to apply basic learnt information. Construct upto 40% of the drawings and details with appropriate labeling, proper hatching, usage of proportionate furniture, exploring different doors and windows.	Unable to apply basic learnt information. Construct only 20% drawings and details with appropriate labeling, proper hatching, usage of proportionate furniture, exploring different doors and windows.	Completely unable to apply basic learnt information and construct the drawings and details/ No submission.
P4	Articulate	4	Exemplary ability to articulate all the graphics with correct scale/proportion, appropriate representation techniques, and shows consistent quality of work.	Able to apply upto 80% of the graphics with correct scale/proportion, some representation techniques, and shows fair quality of work.	Able to articulate upto 60% of the graphics with some scale/proportion, some representation techniques, and shows satisfactory quality of work.	Somehow able to articulate upto 40% of the graphics with some scale/proportion, some representation techniques, and shows satisfactory quality of work.	Able to articulate upto 20% of the graphics with some scale/proportion, some representation techniques, and shows satisfactory quality of work.	Completely unable to articulate the graphics and shows unsatisfactory quality of work/ No submission.
A1	Receive	2	Exemplary ability to receive all the instructions. Describes all the work in a very clear and structured way.	Very good ability to receive the instructions. Describes upto 80% of the work in a clear and structured way.	Good ability to receive the instructions. Describes upto 80% of the work in a clear and structured way.	Somehow able to receive the instructions. Describes upto 40% of the work in a clear and structured way.	Unable able to receive the instructions. Describes only 20% of the work.	Completely unable to receive the instructions. No submission.

Rubric for Assignment 1C - Exterior and Interior rendering – Applying materials and textures; Site development – Site creation, sloping ground, contour labels, split surface, sub surface, building pad, applying materials.

Sl No.	FACTORS	Marks	Excellent	Very Good	Good	Novice	Emergent	Unsatisfactory
			Upto 100%	Upto 80%	Upto 60%	Upto 40%	Upto 20%	0
C3	Apply	4	Exemplary ability to apply all the learnt information. Construct all the drawings and details with appropriate labeling, proper hatching, correct usage of materials, appropriate rendered external and interior views.	Able to apply all the learnt information. Construct upto 80% drawings and details with appropriate labeling, proper hatching, correct usage of materials, appropriate rendered external and interior views.	Able to apply basic learnt information. Construct upto 60% the drawings and details with appropriate labeling, proper hatching, correct usage of materials, appropriate rendered external and interior views.	Somehow able to apply basic learnt information. Construct upto 40% of the drawings and details with appropriate labeling, proper hatching, correct usage of materials, appropriate rendered external and interior views.	Unable to apply basic learnt information. Construct only 20% drawings and details with appropriate labeling, proper hatching, correct usage of materials, appropriate rendered external and interior views.	Completely unable to apply basic learnt information and construct the drawings and details/ No submission.
P4	Articulate	4	Exemplary ability to articulate all the graphics with correct scale/proportion, appropriate representation techniques, and shows consistent quality of work.	Able to articulate upto 80% of the graphics with correct scale/proportion, some representation techniques, and shows fair quality of work.	Able to articulate upto 60% of the graphics with some scale/proportion, some representation techniques, and shows satisfactory quality of work.	Somehow able to articulate upto 40% of the graphics with some scale/proportion, some representation techniques, and shows satisfactory quality of work.	Able to articulate upto 20% of the graphics with some scale/proportion, some representation techniques, and shows satisfactory quality of work.	Completely unable to articulate the graphics and shows unsatisfactory quality of work/ No submission.
A1	Receive	2	Exemplary ability to receive all the instructions. Describes all the work in a very clear and structured way.	Very good ability to receive the instructions. Describes upto 80% of the work in a clear and structured way.	Good ability to receive the instructions. Describes upto 80% of the work in a clear and structured way.	Somehow able to receive the instructions. Describes upto 40% of the work in a clear and structured way.	Unable able to receive the instructions. Describes only 20% of the work.	Completely unable to receive the instructions. No submission.