

## ARCHICAD TRAINING BRIEF COURSE OUTLINE



### BELL INSTITUTE OF TECHNOLOGY

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**Duration:** 30 Hrs ( 3 weeks at 2 hrs per Day or One week at 4 Hrs per Day or 1 week at full day Training ) . Corporate Organization also available

**COST: 7, 000** at our Training Centre Reg Fee: 500/= One time payment.

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Training is vital for the effective use of any software. Properly trained users will have increased productivity and will gain greater confidence with the software. It is a worthwhile investment to train new users to overcome their initial hesitancy and existing users to increase their depth of knowledge. The ArchiCAD course has been designed by experts for anyone new to ArchiCAD. No matter what background you are coming from ArchiCAD Training gives you the confidence to work on projects immediately upon your successful completion of the course. ArchiCAD is typically used by all Building Engineers, Civil Engineers (Building and Structures), Architects, Interior Designers, and Building modelers. We have been training CAD since 2007 and have since trained many Engineering students both individual and corporate. We are also registered with the Ministry of Educations, Directorate of Industrial Training, currently NITA and the Computer society of Kenya.

Certificates Issued upon course completion.

SESSION, Each session has Max of 2 hours to complete and do the prevailing exercises.	SUB-TPPICS
<b>SESSION 1</b>	<p><b>Introduction to ArchiCAD</b></p> <ul style="list-style-type: none"> <li>• Starting a project</li> <li>• ARCHICAD Workspace-Palettes and tool bars, origin, Scale, preferences.</li> <li>• Introduction to ArchiCAD tools and menu</li> <li>• The Drawing Area of ArchiCAD</li> <li>• Tools and sub-tools</li> </ul> <p><b>Walls</b></p> <ul style="list-style-type: none"> <li>• Straight walls, Rectangular walls, Circular</li> <li>• Wall settings (Height, Thickness, Edged, etc)</li> <li>• Viewing Walls in 2D and 3D (Rotating Walls in 3D, Zooming, Moving in 2D and 3D)</li> <li>• Editing and modifying walls heights, thickness,</li> <li>• Cutting (trimming walls, Extending walls</li> <li>• Creating space within walls using TRIM tool.</li> </ul> <p><b>Exercise 1 (Walls, Types, Shapes)</b></p>
<b>SESSION 2</b>	<p>Doors and Windows Settings</p> <ul style="list-style-type: none"> <li>• Adding doors and Windows to the walls.</li> <li>• Doors and windows sizes and types</li> <li>• Moving windows and doors within the walls</li> <li>• Doors and windows advanced settings</li> <li>• Inserting slabs</li> </ul> <p><b>Exercises 2.</b></p>
<b>SESSION 3</b>	<p>Wall Dimensions</p> <ul style="list-style-type: none"> <li>• Drawing walls to particular dimension</li> <li>• Extending walls to particular dimension</li> <li>• Inserting doors and Windows to dimensions</li> <li>• Using the marquee tools to view small sections in 3D</li> <li>• Columns and Beams</li> </ul> <p><b>Exercise 3.</b></p>

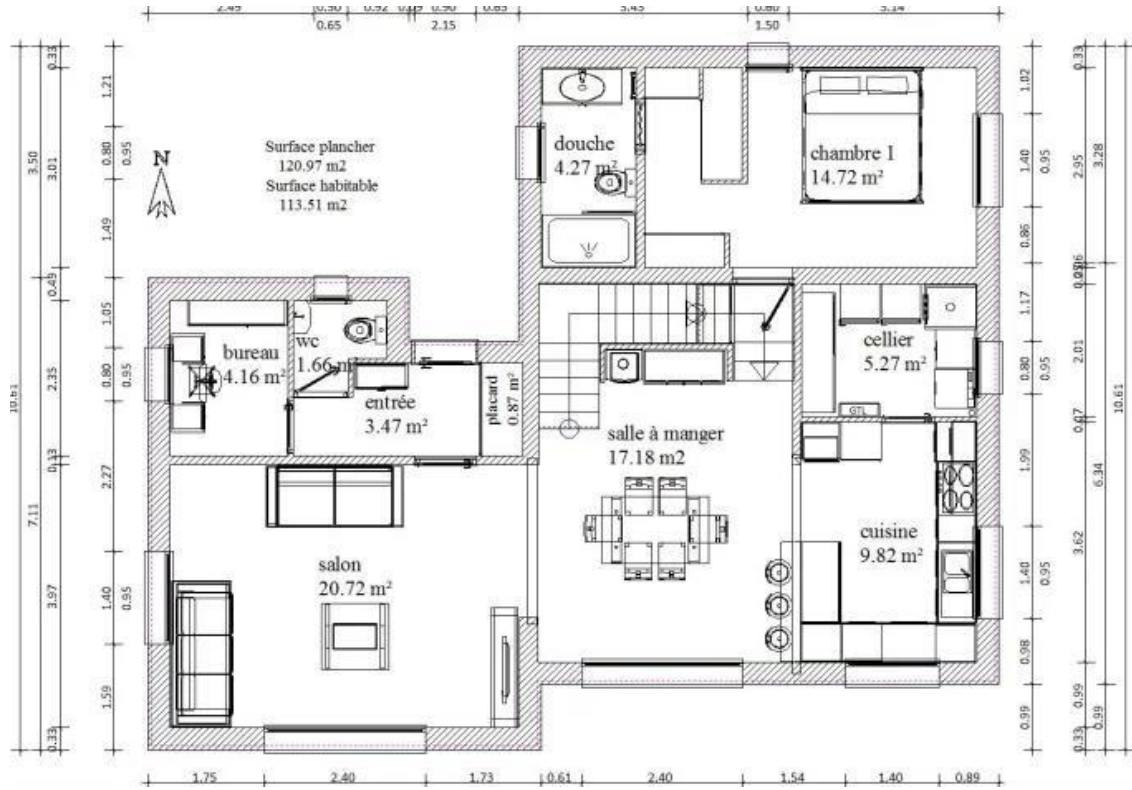
**SESSION 4**

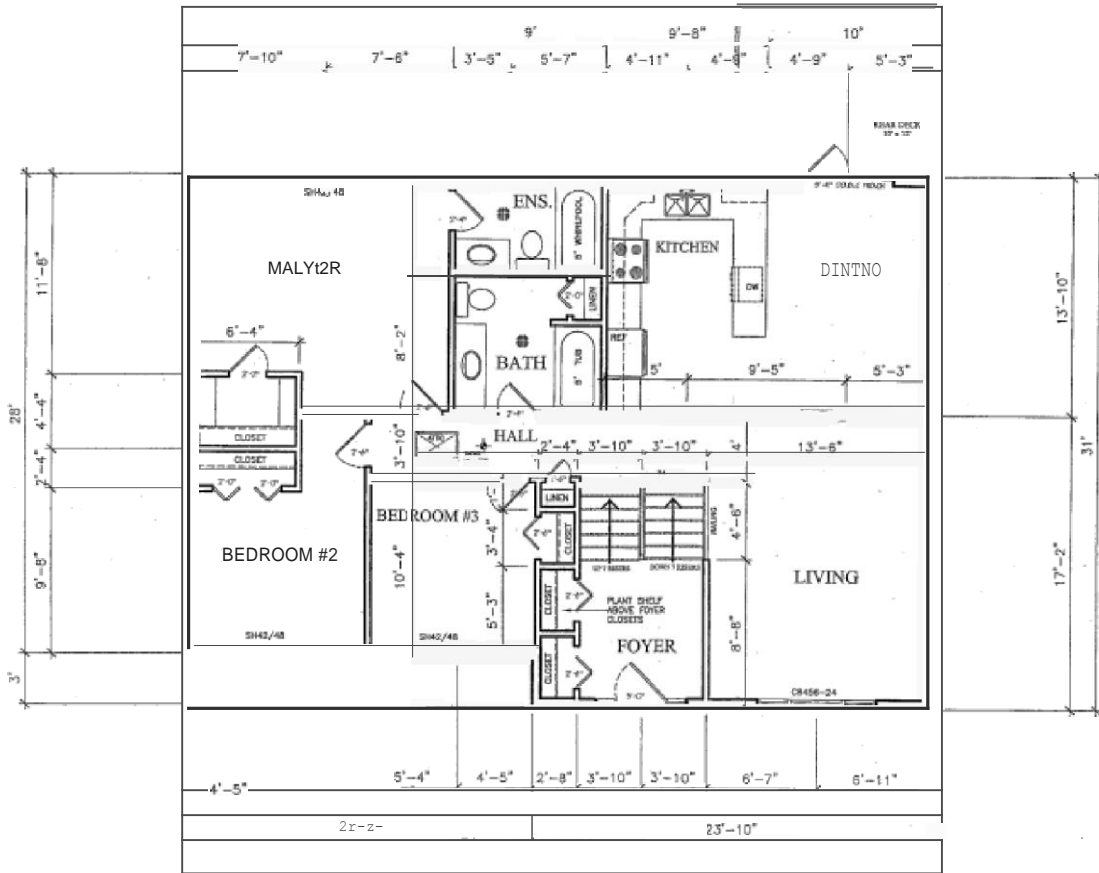
## Objects

- Inserting objects to the plan
- Internal and external objects
- Changing object settings and properties

<b>SESSION 5</b>	<b>Roofs and roof Settings</b>
	<ul style="list-style-type: none"> <li>• Using the various roof tools to insert roofs (Automatics and Manual Roofs)</li> <li>• Creating openings</li> <li>• Adding new roofs</li> <li>• Separating roofs, Modifying roofs</li> <li>• Trimming roofs to walls</li> <li>• Adding skylights to roofs</li> <li>• Changing roof materials and color</li> </ul> <p><b>Exercise 4 (Roofs)</b></p>
<b>SESSION 6</b>	<b>Stairs and Stories</b>
	<ul style="list-style-type: none"> <li>• Inserting Stories</li> <li>• Story Settings</li> <li>• Inserting Balcony and Rails to balcony</li> <li>• Different types of Stairs</li> <li>• Slab Openings</li> </ul> <p><b>Exercise 6 (Stories and Stairs)</b></p>
<b>SESSION 7</b>	<b>Sections and Elevations</b>
	<ul style="list-style-type: none"> <li>• The sections and Elevation tool</li> <li>• Viewing Sections and Elevations</li> <li>• Creating new sections and Elevations</li> <li>• Fillings Sections and Elevations (The Fill Tool)</li> <li>• Labelling Sections and Elevations</li> </ul> <p><b>Exercise 7. ( Sections And Elevations)</b></p>
<b>SESSION 9</b>	<b>Detailing using ArchiCAD</b>
	<ul style="list-style-type: none"> <li>• Building Detailing and Labelling</li> <li>• Using Different Fills while detailing</li> <li>• Note: ArchiCAD does not provide a lot of Professional Detailing, but AutoCAD does)</li> </ul> <p><b>Exercise 9: Detailing a Design.</b></p>
<b>SESSION 10</b>	<b>Plotting</b>
	<ul style="list-style-type: none"> <li>• Placing 2D and 3D Designs on plotting paper</li> <li>• Placing Sections and Elevations on Plotting paper</li> <li>• Paper sizes and Layouts</li> <li>• Exporting to PDF</li> <li>• Printing</li> </ul> <p><b>Exercises 10: on Plotting</b></p>
<b>SESSION 11</b>	A student would, be provided with a working project on ArchiCAD. Timely finish the project is important. When you finish the project, do fill the Certificate application form. The certificate would be ready in five Days' time. You are welcome to study other CAD courses as AutoCAD, Atlantis Render, etc. Thank you for studying with us.
<b>PROJECT WORK</b>	

# SOME DESIGNS YOU WOULD BE ABLE TO DO IN RACHICAD

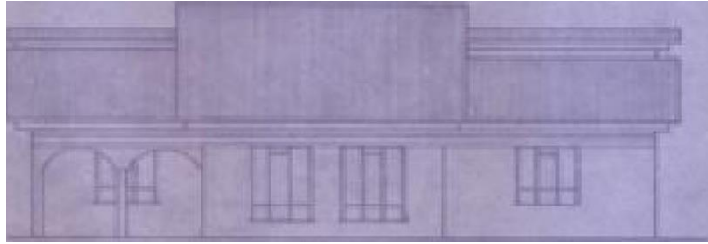




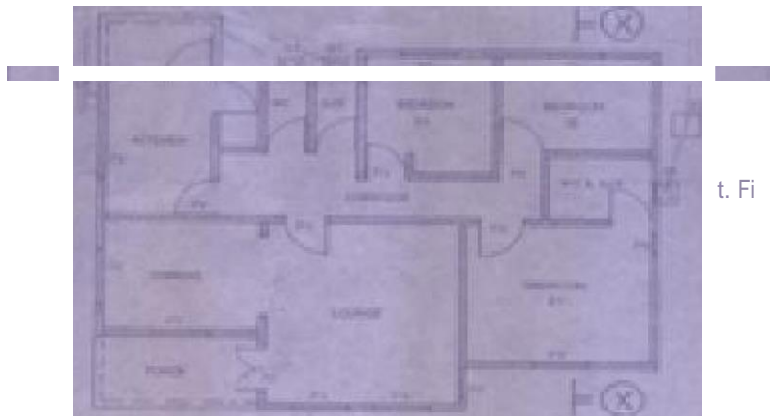








FRONT ELEVATION OF



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FLOOR PLAN



Students are encouraged to do ArtLANTIS Render or Lumion render to convert ArchiCAD Designs to Reality designs that impresses. Including animated objects i.e people and Cars moving within the designs. Quite impressive for presentations.