100 Day's Action Plan (Detailed Syllabus)

Time Frame	Product List	Content covered	Duration
Day 1	AutoCAD	Introduction to Engineering Drawings & AutoCAD, AutoCAD GUI, Workspace, Unit, Drafting setting Object snap, snap mode, Polar tracking, dynamic input etc.	1.15 Hrs.
Day 2		Draw & Modify tools in AutoCAD	1.15 Hrs.
Day 3		Layer Management & Block	1.15 Hrs.
Day 4		Text, Leaders, Tables	1.15 Hrs.
Day 5		Advace Hataching & Gradient Techniques	1.15 Hrs.
Day 6		AutoCAD 3D Basic	1.15 Hrs.
Day 7		Page setup, Layout, Plot & Print out	1.15 Hrs.
Building Information Modeling Curriculum			
Day 8	Revit Architecture	Introduction to Building Information Modeling (BIM) and Revit User Interface & Project Setup Recent Files, Screen, Creating a new Project, User Interface etc.	1.15 Hrs.
Day 9		Starting a new project - Creating Level & Grid -Types of Wall, wall Properties, Wall Sweeps, Wall revel, Wall Edit,Wall Layers Creating Architectural Walls - Locaion Line, Wall Height,	1.15 Hrs.
Day 10		Create Door & Windows - Modify, Add new Doors, Add new Windows use Add component option for furniture	1.15 Hrs.
Day 11		Using the Editing Tools - Working with Selection Sets, Editing Tools, Editing Tools, Grouping Elements, Retrieving Information About Elements	1.15 Hrs.
Day 12		Using Basic Building Components- Creating Floors, Creating Roofs, Shape Editing Tools, Creating Ceilings, Adding Rooms	1.15 Hrs.
Day 13		Using Basic Building Components- Working with Components, Adding Stairs, Adding Railings and Ramps, Creating Curtain Walls	1.15 Hrs.
Day 14		Adding Site Features, Working With Site Features, Property Lines and Building Pads, Adding Site Components	1.15 Hrs.
Day 15		Understanding Massing Concepts, Creating Massing Geometry in the Family Editor, Editing Massing Geometry in the Family Editor, Massing in the Conceptual Design Environment, Creating Massing Geometry in a Project, Creating Building Elements from Massing Geometry	1.15 Hrs.
Day 16		Project 1	1.15 Hrs.
Day 16		Adding Annotations and Dimensions, Adding Tags, Room Tags, Keynotes, Adding Symbols and Dimensions, Dimensioning Terminology and Dimensioning Tools, Adding Alternate Dimension Units and Spot Dimensions	1.15 Hrs.
Day 17		Creating Project Details, Project Detailing in Autodesk Revit Architecture, Crop Regions, Fills Patterns, and Detail Components, Adding Text Notes, Creating Drafting Views, Revision Clouds o Working with Schedules	1.15 Hrs.
Day 18		Creating 3D Views, Three Dimensional (3D) Views, Dynamically Viewing Models with Navigation Tools, Orienting a 3D View, Generating Perspective Views, Using a Section Box	1.15 Hrs.
Day 19		Rendering Views and Creating Walkthroughs, Rendering in Revit Architecture, Working with Materials, Lights, Decals and Entourage, Rendering Settings, Creating a Walkthrough	1.15 Hrs.
Day 20		Using Advanced Features, Creating Structural Components, Generating Multiple Design Options, Using Area Analysis Tools, Masking Regions, Creating Displaced Views, Color Schemes, Working with Project Phasing Tools	1.15 Hrs.
Day 21		Using Advanced Features II- Work-sharing Concepts, Elements Families, Browsers, Generating Shadows, Creating Solar Studies	1.15 Hrs.
Day 22		Working with Point Clouds, Revit Architecture Interoperability, Linking Building Models and Sharing Coordinates, Working with Linked Models	1.15 Hrs.
Day 23		Advace Schedule Extraction for Arch Session - 01	1.15 Hrs.
Day 24		Collabation - Project Parameter, Shared Parameter	1.15 Hrs.
Day 25		Project 2	1.15 Hrs.
Day 26		View Templet - How to set-up New view templet	1.15 Hrs.
Day 27		Advace Schedule Extraction for Arch Session - 02	1.15 Hrs.
Day 28		Advace Schedule Extraction for Arch Session - 03	1.15 Hrs.
Day 29		Revit Arch Family Creation - Door	1.15 Hrs.
Day 30		Revit Arch Family Creation - Windows	1.15 Hrs.
Day 31		Annotation and Sheet Composition Model Views, Schedules, Legends, Drafting	1.15 Hrs.
Day 32		Use of Revit API & Plugin	1.15 Hrs.
Day 33		Render Plugin for Revit - Enscape	1.15 Hrs.
Day 34		Views, Tags, Keynotes, Dimensions, Symbols, Detail, Components, Creating Sheets, Adding Views, Activating/Deactivating Views	1.15 Hrs.
Day 35		Output - Printing / PDF / Settings, Export to DWFx / DWG / DGN / Settings Export to IFC, Export Images	1.15 Hrs.

Day	Module	Topic	Duration
Day 36		Introduction to BIM and Autodesk Revit BIM and Autodesk Revit Overview of the Interface Starting Project Viewing Commands	1.15 Hrs.
Day 37		Working with Views Setting the View Display Duplicating Views Adding Callout Views Elevations and Sections	1.15 Hrs.
Day 38		Adding Structural Slabs Modeling Structural Slabs Creating Shaft Openings	1.15 Hrs.
Day 39		Structural Reinforcement Structural Reinforcement Adding Rebar Modifying Rebar Reinforcing Walls, Floors, and Slabs	1.15 Hrs.
Day 40		Structural Reinforcement Structural Reinforcement Adding Rebar Modifying Rebar Reinforcing Walls, Floors, and Slabs - 1	1.15 Hrs.
Day 41	Revit Structure	Structural Reinforcement Structural Reinforcement Adding Rebar Modifying Rebar Reinforcing Walls, Floors, and Slabs - 2	1.15 Hrs.
Day 42		Structural Reinforcement Structural Reinforcement Adding Rebar Modifying Rebar Reinforcing Walls, Floors, and Slabs - 3	1.15 Hrs.
Day 43		Project No 1	1.15 Hrs.
Day 44		Revit Steel Detailing	1.15 Hrs.
Day 45		Structural Framing Modeling Structural Framing Modifying Structural Framing Adding Trusses - 1	1.15 Hrs.
Day 46		Structural Framing Modeling Structural Framing Modifying Structural Framing Adding Trusses - 2	1.15 Hrs.
Day 47		Foundations Modeling Walls Adding Wall Footings Creating Piers and Pilasters	1.15 Hrs.
Day 48		Precast Plugin	1.15 Hrs.
Day 49		Creating Construction Documents Setting Up Sheets Placing and Modifying Views on Sheets Printing Sheets Annotating Construction Documents Working with Dimensions Working with Text Adding Tags Adding Detail Lines and Symbols Creating Legends	1.15 Hrs.
Day 50		Creating Details Setting Up Detail Views Adding Detail Components Annotating Details Scheduling Structural Schedules Graphical Column Schedules Working with Schedules	1.15 Hrs.
Day 51		BIM MEP - Introduction	1.15 Hrs.
Day 52		BIM MEP - Templates - Plumbing, Electrical, Fire fighting, Mechanical	1.15 Hrs.
Day 53		MEP - Importing Files, reading files, reading drawings, getting started with Revit MEP	1.15 Hrs.
Day 54		MEP - Plumbing families intro, piping classification, size length details, type and instance parameter detail	1.15 Hrs.
Day 55		MEP - Plumbing Fixtures modeling and placing, pipe modeling, creating elevations, sections	1.15 Hrs.
Day 56		MEP - Plumbing drawings, quantity take off	1.15 Hrs.
Day 57	Revit MEP	MEP - Mechanical families intro, piping classification, size length details, type and instance parameter det	1.15 Hrs.
Day 58		MEP - Mech Fixtures modeling and placing, pipe modeling, creating elevations, sections	1.15 Hrs.
Day 59		MEP - Mech drawings, quantity take off	1.15 Hrs.
Day 60		MEP - Electrical families intro, piping classification, size length details, type and instance parameter detail	1.15 Hrs.
Day 61		MEP - Electrical Fixtures modeling and placing, pipe modeling, creating elevations, sections	1.15 Hrs.
Day 62		MEP - Electrical drawings, quantity take off	1.15 Hrs.
Day 63		MEP - Fire fighting families intro, piping classification, size length details, type and instance parameter det	1.15 Hrs.
Day 64		MEP - Fire Fighting Fixtures modeling and placing, pipe modeling, creating elevations, sections	1.15 Hrs.
Day 65		MEP - Fire fighting drawings, quantity take off	1.15 Hrs.
Day 66		Navisworks Manage - Introduction, UI	1.15 Hrs.
Day 67		Navisworks manage - Selection sets, ribbons, importing files	1.15 Hrs.
Day 68		NM - Clash detection - creating clash tests, operating clashes, clash area, grouping, review	1.15 Hrs.
Day 69		NM - Clash detection - creating clash rules, Screenshot, creating clash report, resolving in Revit	1.15 Hrs.
Day 70	Nvaisworks manage and BIM 360 Cloud	NM - Measure, mark-ups, review, walkthrough	1.15 Hrs.
Day 71		NM - Quantity take off - Architectural, Structural, MEP, Template creation	1.15 Hrs.
Day 72		NM - Animator and Rendering	1.15 Hrs.
Day 73		NM - Working on live projects, showing detailed working on projects	1.15 Hrs.
Day 74		BIM 360 - Cloud intro - Docs, Build, collaborate, General info - BIM 360 Docs - General info, UI	1.15 Hrs.
Day 75		BIM 360 - Project uploading, review, markups	1.15 Hrs.
Day 76		BIM 360 - Walkthrough, access to users	1.15 Hrs.
Day 77		BIM 360 - Document management, data management etc	1.15 Hrs.
Day 78		Introduction - MSP, Navisworks Manager, Bexel	1.15 Hrs.
Day 79		MSP - User Interface	1.15 Hrs.
Day 80		MSP - Settings and Options	1.15 Hrs.
Day 81		MSP - Calender setting and getting started to project	1.15 Hrs.
Day 82		MSP - Activity sequencing - SS, FS, FF, SF	1.15 Hrs.
Day 83		MSP - Activity Planning	1.15 Hrs.
Day 84		MSP - Detailed activity sequencing on live project	1.15 Hrs.
Day 85		MSP - Baseline setting, monitoring, delay duration	1.15 Hrs.
Day 86		MSP - Schedule crunching	1.15 Hrs.
Day 87		MSP - Resource Allocation	1.15 Hrs.
Day 88		MSP - Cashflow planning	1.15 Hrs.
Day 89	4D & 5D	MSP - Report generation	1.15 Hrs.

Day 90		MSP - Resource levelling	1.15 Hrs.
Day 91		Navisworks - 4D Planning and tracking - selection sets and importing schedule file, rvt models, UI	1.15 Hrs.
Day 92		Navisworks - 4D Planning and tracking	1.15 Hrs.
Day 93		Bexel Manager - Introduction	1.15 Hrs.
Day 94		BM - Importing files, general settings, tabs and options	1.15 Hrs.
Day 95		BM - Creating selection sets	1.15 Hrs.
Day 96		BM - Planning activities	1.15 Hrs.
Day 97		BM - Creating WBS with costings	1.15 Hrs.
Day 98		BM - Creating 4D simulation	1.15 Hrs.
Day 99		BM - Creating 5D Simulation	1.15 Hrs.
Day 100		BM - Generating reports	1.15 Hrs.