A TEQIP-III Sponsored

STTP on MIDAS Software

July 2-6, 2018

Organised by

Department of Civil Engineering

and

Techcentra Infosystems

GOVERNMENT ENGINEERING COLLEGE BANSWARA

Detailed Training Schedule

Day 1		
Time	**Topic**	**Sub-Topic**
10:00 to 12:00	Introduction to midas Civil	• User interface and feature introduction • Box Culvert Modeling • Loads & Boundaries • Result interpretation & extraction
12:00 to 12:45	**Lunch break**	
12:45 to 15:00	RCC T Beam – Part 1	• Section and Material Property definition • Geometry generation
15:00 to 15:15	**Tea Break**	
15:15 to 17:00	RCC T Beam – Part 2	• Defining Additional Loads (Part 1) • Result Interpretation & Extraction
17:00 onwards	**Question & Answers**	

Day 2		
Time	**Topic**	**Sub-Topic**
10:00 to 12:00	Box Girder Bridge – Part 1	• Section and Material Property definition • Geometry generation • Definition of groups and assigning elements
12:00 to 12:45	**Lunch break**	
12:45 to 15:00	Box Girder Bridge – Part 2	• Defining Boundary • Defining Loads • Construction stage definition
15:00 to 15:15	**Tea Break**	
15:15 to 17:00	Box Girder Bridge – Part 3	• Performing Analysis & Result Interpretation • Perform PSC Design using to IRC:112 – 2011 • Excel report generation • Pier check with GSD
17:00 onwards	**Question & Answers**	

Day 3		
Time	**Topic**	**Sub-Topic**
10:00 to 12:00	Introduction to midas Gen & Portal Frame modelling	• User interface and feature introduction • Properties, wizards, story generation • Special analysis feature • Result interpretation & extraction
12:00 to 12:45	**Lunch Break**	
12:45 to 15:00	Modelling of RC building	• Defining section and material properties • Generation of frame
15:00 to 15:15	**Tea break**	
15:15 to 17:00	Modelling of RC building	• Building generation • Boundary

Day 4		
Time	**Topic**	**Sub-Topic**
10:00 to 12:00	Loading	• Defining Loads • Floor load • Beam load • Lateral Loads
12:00 to 12:45	**Lunch Break**	
12:45 to 15:00	Analysis & Result	• Analysis • Reaction • Frame forces • Wall forces • Result table- Irregularity checks, story shear ratio, torsion irregularity etc.
15:00 to 15:15	**Tea break**	
15:15 to 17:00	Design	• Design parameter • Definition of code and rebar data • Detail beam, column & shear wall design • Reinforcement data • Update rebar • Detail design calculation

Day 5		
Time	**Topic**	**Sub-Topic**
10:00 to 12:00	Introduction to GTS NX	• Introduction to user interface • Properties, material, loading, boundary • Extraction of results (contours, Tables, Graphs)
12:00 to 12:45	**Lunch Break**	
12:45 to 15:00	Modelling with GTS NX	• Modelling of various geotechnical problems pertaining to embankment would be covered • Result interpretation
15:00 to 15:15	**Tea break**	
15:15 to 17:00	Project related modelling	• Attendee would try to generate a model pertaining to their project and doubts would be clarified

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On

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Application Form

Name:.....

Designation:.....

Department:.....

Address:.....

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Mobile Number:.....

Email ID: .....

Signature

Forwarded by