

Infrastructure Quantity Surveying & Billing Software Course

Projects: Roads, Railways, Dams, Canals, Airports
100+ Companies which gives placement
100% Placement Support

Offer Fees
15,000/-

Softwares: Kross X, LDT-Land Development Tool
PTM- Planning Tracking & Management

1
Month
Duration



Civil Engineering IIT
www.civilengineeringiit.in

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Civil Engineering IIT Pune, Gokul Society, Mhatre Bridge, Pune

CalQuan Kross X

- Software for quantity calculation and cross section drawing generation.
- Useful for any corridor type project like, roads, highways, canals, railways, dams, airports, etc.
- Parametric generation of cross sections.
- User defined templates.
- Any type of cross section can be generated.
- Point-Line definition concept is unique to Kross X, not available in any other software.
- Master templates for roads, dams, canals, railways.
- Component library for various types of projects.
- 3D Modelling
- Special components / tools for
 - Profile correction, road widening, Overlay, Shoulder widening
 - Auto detect of PCC layers
 - Sub grade quantity calculation based on CBR.
 - Dynamic conditional evaluation of cross sections
 - Drain library
 - Canals – casing, hearting, COT, Berms, rock toe
 - Railways – Benching, Berms, Ballast,
- Batch processing,
- Auto Run – Single button click conversion of excel (csv) files to CS drawings and quantity.
- Conditions Look Up Tables, Auto Run.



CalQuan LDT-Land Development Tools

- Point Groups.
 - Read data from file, CAD points, Blocks
 - Directly create points on CAD interface
 - Convert random points to Grid format based on triangulation.
- DTM
 - Triangulation, Contour generation, Contour drawing with annotations
 - Applying inner and outer boundaries to contours
- Strings
 - Read data from file, CAD interface, Edit on CAD
 - Assign Line types and hatch
- Volume Calculation between two surveyed surfaces. (No Design Levels)
 - By Grid method (Drawing – Initial and Final, Average RLs, Cut / Fill Q)
 - By Cross section method (Drawings – Cross Sections)
 - By Triangulation method. (Drawing – Prisms)
- Process codes – Generate survey drawings.
- Horizontal and Vertical alignments - Multi point, with Curves.
- Geometric design of vertical and horizontal alignments.
- L – Sections drawings
- Limitations
 - Functionality provided under – DTM and Design alignment - are available under this edition, other tools are for evaluation purpose only.



CalQuan PTM (Planning, Tracking and Management)

Objective

- Project planning. Based on Time and Chainages.
- Resource calculation, Consumption tracking
- Day to day work done monitoring, rolling plans based on progress.
- Compare - actual resource consumed vs estimated quantities. .
- Compare quantities - RFIs vs bills vs items vs resources.
- Compare - plant productions and consumption.
- Item Resource Composition(Rate Analysis) Based On Standard Book
- 3D Model Based On Work done
- Server Based DPR/RFI Submission
- Strip Charts Based On DPR,RFI
- Bar Charts For Resource Consumption
- Resource Analysis-Stock Availability, Material/Resource Reconciliation(Software Modules)
- Graphical Analysis For Work In Progress
- Monthly Planning
- SAP/ERP Based Interface
- Structure Quantity Estimation & 3D Modelling
- Laboratory Testing Reports

Software Modules

- Planning - Base Plan and Rolling Plans
- Daily Progress Reports , RFI
- Billing - Client, Sub Contractor.
- Resource Analysis – Production / Consumption / Issued / Received.

Please note – The Following is Not Included

- It's not a financial accounting system.
- No provisions for tax calculation.

CalQuan StEST - CQ – StEST

- Quantity calculation tool for road related structures.
- Pipe Culverts, Box culverts, Minor bridges.
- 3D Modelling Of Bridges



Companies for Placement (CalQuan Clients)

Larsen & Toubro (ECC Division) Ltd.
IRB Infrastructure Developers Ltd
Hindustan Construction Company Ltd
TD Cementation India Ltd.
Leighton Contractors (India) Pvt. Ltd.
GVK Projects Ltd.
Gammon India Ltd.
Valecha Engineering Ltd.
IVRCL Infrastructures & Projects Ltd.
SEW Infrastructure Ltd.
IRCON International Ltd
PBA Infrastructure Ltd.
GMR Infrastructure Ltd.
Hycons Infrastructure Ltd.
Madhucon Projects Ltd.
Birla GTM Entrepouse Ltd.
KMC Constructions Ltd.
Oriental Structural Engineers Pvt. Ltd.
Soma Enterprise Ltd.
GVR Infra Projects Ltd.
Rohan Builders (India) Pvt. Ltd.
Gayatri Projects Ltd.
Sadbhav Engineering Ltd.
Jaiprakash-Gayatri JV Projects LTD
Continental Engineering Corporation
Satav Construction Pvt. Ltd.
Dena Rahsaz Construction Co.
IJM (India) Infrastructure Ltd.
JMC Projects (India) Ltd.
SVEC Constructions Ltd.
AMR Constructions Ltd.
Pioneer Builders
Sushi Hitech
SMEC Consultants

STUP Consultants P. Ltd.
Indu Projects Ltd.
Balajee Infratech & Constructions Ltd.
Meinhardt Singapore Pte. Ltd
D. R. Agrawal Infracon Pvt. Ltd.
Apcons Infrastructure Pvt. Ltd.
Roman Tarmat Ltd.
Shanti Engg. & Construction Co Ltd.
Ashoka Buildcon Ltd.
Consulting Engg. Services (I) Pvt. Ltd.
Vijay Nirman Co. Pvt. Ltd.
Longjiang, China
P. Venkataramanaiah & Co.
Centrodorstroy (India) Pvt. Ltd.
PATH (India) Ltd.
PVR Conrtactor
Ramky Infrastructure Ltd.
Unity Infraprojects Ltd.
Prasad & Co. (Project Works) Ltd.
D. Thakkar Construction Pvt. Ltd.
D.P.Jain & Co. Infrastructure Pvt. Ltd.
Jaihind Road Builders
Siddharth Infraprojects Pvt. Ltd.
Nagarjuna Construction Co. Ltd.
Supreme Infrastructure India Ltd.
Totem Infrastructure Ltd.
Niraj Cement Structural Ltd.
Devi Enterprises Ltd.
Adani Port & Sez Ltd.
K J Infrastructure Ltd.
Credible Management Consultants
& Many More

