



Excel in Civil & Structural Design and Project Management

## ASP ENGINEERING CONSULTANT

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ONLINE INTERNSHIP PROGRAM -4 WEEKS @ 1800 ₹ PERHEAD

ONLINE INTERNSHIP PROGRAM-6 WEEKS\* @ 3000 ₹ PERHEAD

LAST DATE FOR REGISTRATION :- 31-05-2020

START OF INTERNSHIP :- 01-06-2020

\* (STUDENT MUST HAVE LAPTOP/DESKTOP TO MEET SOFTWARE REQUIREMENTS)



# WHY ASPEC ?

THE CONSULTING STAFF AT ASP ENGINEERING CONSULTANT IS COMPRISED OF REGISTERED CHARTERED ENGINEERS, ARCHITECT, CIVIL AND STRUCTURAL ENGINEERS, LAND SURVEYORS, DESIGNERS, DRAFTSMEN, AND SUPPORTING FIELD AND OFFICE PERSONNEL.

WE MATCH OUR MOST HIGHLY QUALIFIED PERSONNEL WITH THE UNIQUE REQUIREMENTS OF EACH ASSIGNMENT AND CONSISTENTLY ACHIEVE SUCCESS.

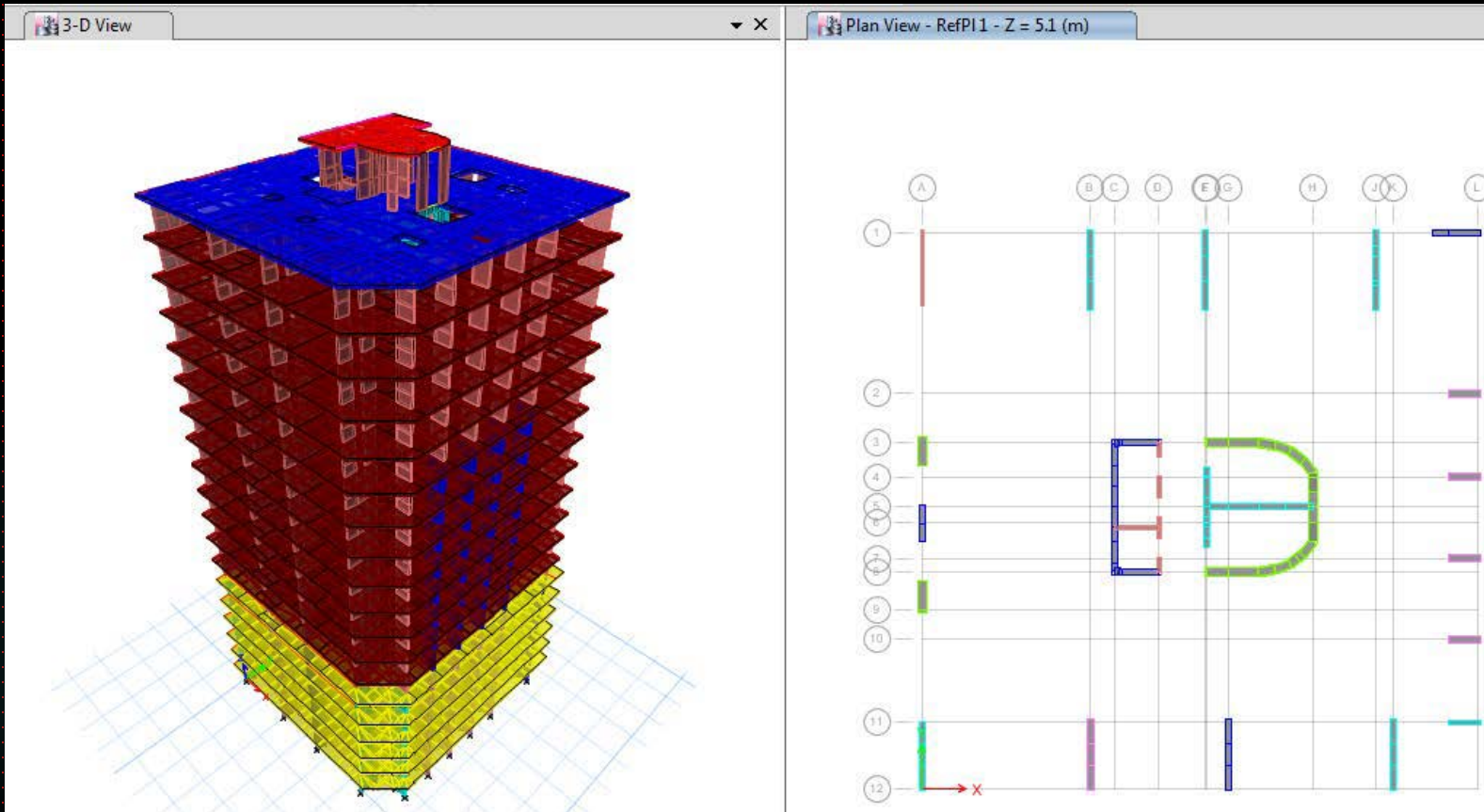
PEOPLE AT ASPEC WANTS YOU TO GET YOUR JOB DONE RIGHT. WE ARE AWARE OF THE FACT THAT ATTENTION TO DETAIL TRANSLATES INTO SUCCESSFUL PROJECTS AND SATISFIED CLIENTS.

WE OFFER THE HIGHEST DEGREE OF COORDINATION, COMMUNICATION, AND CLIENT CONTACT WHICH IS THE REASON WHY OUR CLIENTS CONTINUE TO RETURN TO OUR OFFICE FOR EXPERTISE TIME AND TIME AGAIN.

- ▶ ASPEC PROVIDES A FULL RANGE OF CIVIL ENGINEERING RELATED CONSULTING SERVICES TO PUBLIC AND PRIVATE CLIENTS. OUR EXPERIENCED ENGINEERS AND TECHNICAL SUPPORT STAFF HAVE THE EXPERTISE FOR VARIOUS JOBS, NEEDED TO PROVIDE COMPREHENSIVE ENGINEERING SERVICES WITH COST EFFECTIVE SOLUTIONS TO MEET OUR CLIENTS' NEEDS. ASPEC PROVIDES DPR INCLUDING LAND SURVEY, LA PLAN, SOIL CLASSIFICATION, BORROW/DISPOSAL AREA PLAN UAV(DRONE) SURVEYING USING PHOTOGRAMMETRIC/LIDAR PROCESS, DIGITAL TERRAIN MODELLING (DTM) FOR DRAINAGE/DISTRIBUTION SYSTEM OF VARIOUS IRRIGATION SCHEMES TO GOV./CONTRACTOR. WE PROVIDE CIVIL SITE DESIGN OF SITE AND UTILITIES SUCH AS POTABLE WATER, SANITARY SEWER AND STORM DRAINAGE. WE CAN PERFORM NEW ROADWAY DESIGN AND REHABILITATION SERVICES AND PARKING LOT DESIGN. WE ARE EXPERT IN OFD (CADWM) PROJECT AS TWO OF OUR ENGINEERS HAVE SERVED IN SONE COMMAND AREA DEVELOPMENT AGENCY, PATNA BIHAR. WE ARE EQUIPPED WITH CUTTING EDGE TECHNOLOGY FOR CONDUCTING RELIABLE FIELD SURVEY LIKE DGPS (GNSS) WITH L1,L2 SIGNALS AND RTK (REAL TIME KINEMATICS) MODE.



# FEW COMPLETED PROJECTS



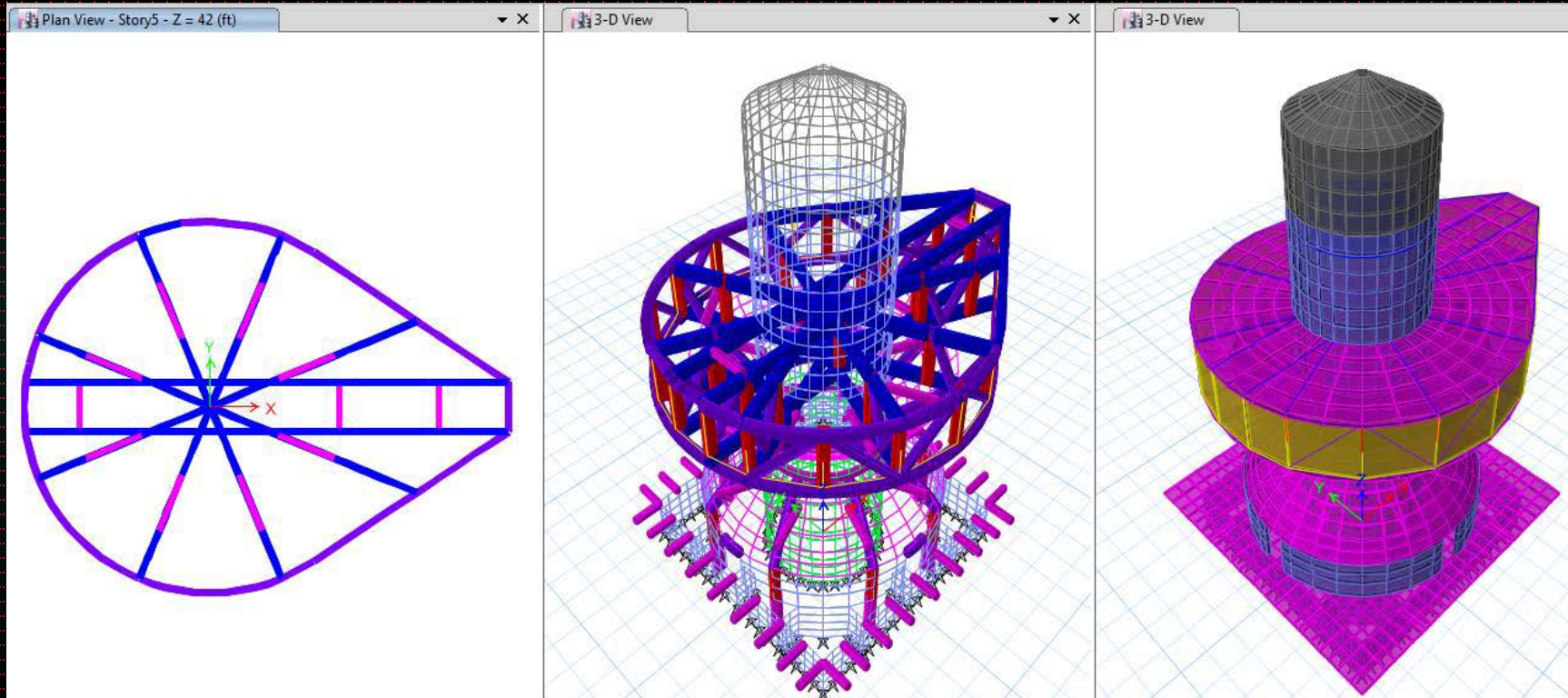
HIGH RISE  
BUILDINGS IN  
SHARJAH.

”

A SAMPLE OF ONE G+5P+13 TYP. FLOORS BUILDING WITH SHEAR WALL AND CENTRAL CORE, DESIGNED BY ER. SHAHI.



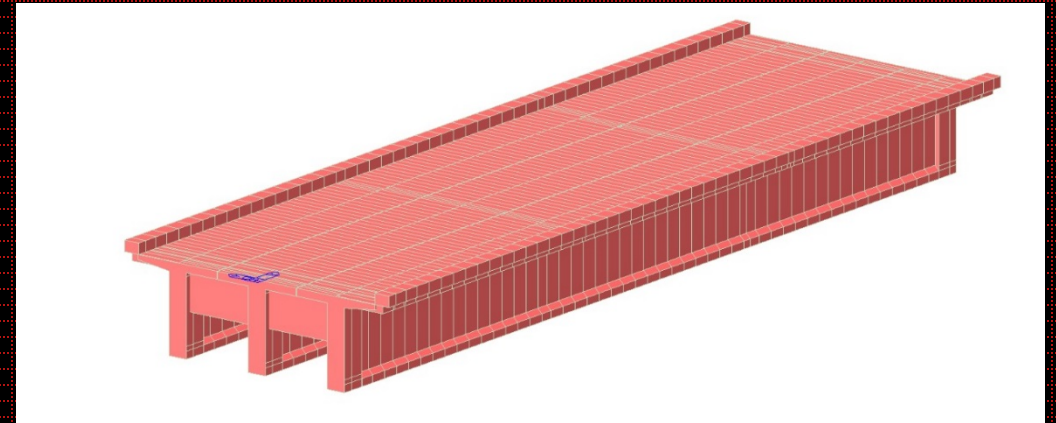
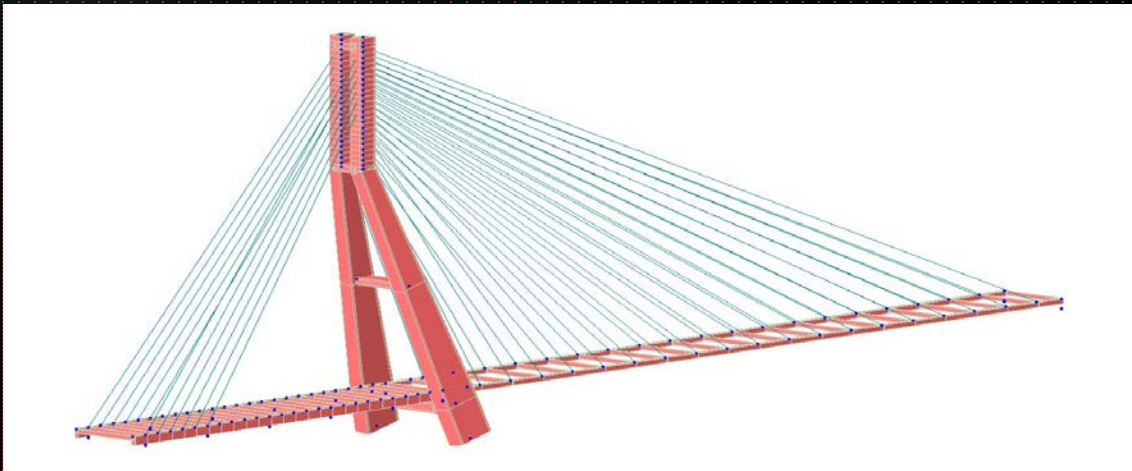
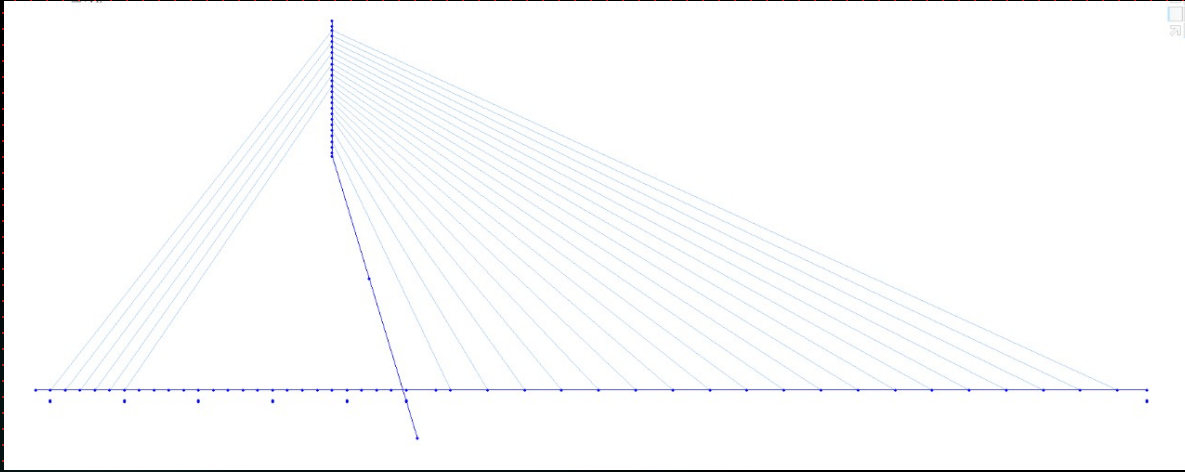
# MODEL OF 8 1' HIGH VASTU VIHAR SHIVA MANDIR MANGO JAMSHEDPUR





# CABLE STAYED BRIDGE & ROB

## 24.75M SPAN RCC T-BEAM





# WHAT'S IN IT FOR YOU?

- ▶ ONLINE CERTIFICATE.
- ▶ VIDEO SESSION BY 10 YRS. PLUS EXP. CIVIL ENGINEERING PROFESSIONALS.
- ▶ DEMONSTRATION & TRAINING FROM LIVE & PRACTICAL CIVIL ENGINEERING PROJECTS.
- ▶ SUFFICIENT TIME TO UNDERSTAND TECHNICAL ASPECTS OF MODULES WHICH ARE PRACTICALLY USED IN THE CIVIL ENGINEERING FIELD.



# WHO CAN REGISTER & BENEFIT THE INTERNSHIP PROGRAMME?

- ▶ ALL CIVIL ENGINEERING PROFESSIONALS.
- ▶ ALL DIPLOMA PASSED STUDENTS.
- ▶ STUDENTS OF 4<sup>TH</sup>-8<sup>TH</sup> SEMESTER BE/B-TECH STUDENTS, WHO HOLD KNOWLEDGE OF SURVEYING, GEOTECH, CONCRETE AND ARE INTERESTED TO JOIN & TACKLE THE STRUCTURE DESIGN, CONSTRUCTION AND SITE RELATED WORK IN FUTURE.





# WHAT IS THE STRUCTURE OF INTERNSHIP?

- ▶ THE INTERNSHIP IS DIVIDED INTO 2 PROGRAMMES.
- ▶ 4 WEEKS PROGRAMME - ₹ 1800  
(Module 1-3)
- ▶ 6 WEEK PROGRAMME-2 ₹ 3000  
(Module 1-4)
- ▶ 4 WEEK PROGRAMME IS THE BASIC INTERNSHIP PROGRAMME, WHERE STUDENTS/PROFESSIONALS DON'T REQUIRE A COMPUTER SYSTEM.
- ▶ IN THE 6 WEEKS PROGRAMME STUDENTS REQUIRE A SYSTEM AS PER SOFTWARE REQUIREMENTS.(4GB RAM )





# MODULE -1 (ROB , DESIGN)

6 hours video sessions per Week+ Study Material soft-copy,+ CAD Drawings+ Design Slides

- ▶ ROAD OVER-BRIDGE PRACTICES IN INDIA.
- ▶ Bridge Parts, Specifications, Components as per IS Codes.  
(Types of ROB )
- ▶ Design & calculation of seismic load.
- ▶ Design calculation of Wind Loads
- ▶ Study of levels, Railway Standards for ROB, NH, SH, Expressway Requirements As per IS and IRC codes.
- ▶ Bridge Supports Design, Deck Design, Foot Path Design etc.
- ▶ Bridge Design Theories, Study, Calculation of Loads, Its Analysis.
- ▶ Study of GAD, Generation & Basic Command application of Civil CAD.
- ▶ # 2weeks MIDAS Civil, Staad pro Advance features discussion & training.



## MODULE -2

### Scope & study "Design of irrigation distribured()Projects"

6 hours video sessions per Week+ Study Material soft-copy,+ CAD Drawings+ Design Slides

- ▶ Preparation of contours. Study of contours & its application in irrigation projects.
- ▶ Minor & major Irrigation projects in state & India. Canals types.
- ▶ Design principles used in design of canals.
- ▶ Design of Head Regulators, Cross Regulators, Canal Escapes & Tail End.
- ▶ Study of Topo-sheets, application of CAD software in Irrigation projects.



## MODULE-3 "GEOMETRIC DESIGN OF HIGHWAY & EARTHWORK CALCULATION IN ROAD, CANALS, DAMS"

6 hours video sessions per Week+ Study Material soft-copy,+ CAD Drawings+ Design Slides

- ▶ Earth work calculation methods.
- ▶ Earthwork Calculation demonstration in MS Excel.
- ▶ How To use MS- Excel Data to prepare Drawings in Auto cad Civil.
- ▶ Analysis of results and cost estimation of calculated earthwork.
- ▶ Geometric design of Highway, Horizontal & Vertical curves.
- ▶ Sight distances, Design speed & terrain details of Highway.



# MODULE -4 (ONLY FOR 6 WEEKS REGISTERED CANDIDATE)

- ▶ 4 Hours VIDEO SESSION FOR 2 WEEKS & TRAINING ON DESIGN SOFTWARES (MIDAS CIVIL, STAAD PRO ADVANCED, SAP2000, ETABS)
- ▶ TRAINING TO WORK WITH CONTOURS USING GLOBAL MAPPER, GOOGLE EARTH.
- ▶ TRAINING ON CIVIL 3D AND AUTOCAD USED IN ABOVE 3 MODULE TOPICS.
- ▶ geometric design of Highway in civil 3Dmax.



# Who is the Trainer of this Internship?

- ▶ **Er. Akhileshwar Shahi**, AMIE(Civil), M Tech. Structure, Chartered Engineer (India).

Er. Akhileshwar Shahi has 24 years of experience as Civil Engineering in Water Resources Department Bihar/ Jharkhand .

6 years of International experience as Structural Engineer for Canal, Bridges and high-rise building design in UAE and Kazakhstan.

He is an expert in latest analyses, design and surveying software like MIDAS CIVIL 2020 ETABS.

SAP2000, SAFE. Pipe Flow and CSI-BRIDGE, ArcGIS, Global Mapper etc

**Er. Ravi Singh**- 4years of construction Site handling experience . 2 years structure designing .

**Md.Wahab**- 12 years draftsman's skill in abroad & India experienced, well versed in Revit, Auto- CAD, civil 3d .

Trainer's R  
their expertise and experience



# How can you register for the internship?

- ▶ Fill up the form by clicking the link below  
<https://forms.gle/hcShNqYYNUvWmPz5A>
- ▶ Proceed by making the payment through :-
- ▶ Google Pay- 8757492173 /UPI online-[Sahi.a29@oksbi](mailto:Sahi.a29@oksbi) /Scan QR  
/Net banking - current account no.15160200003825, IFSC-FDRL0001516
- ▶ After filling the google form and finishing the payment process, the registration procedure gets completed.
- ▶ Meeting ID , password , certificate details and any other future notice will be sent to the registered email id, provided through google forms.
- ▶ Last date for registration :- 31-05-2020
- ▶ Start of internship :- 01-06-2020

