

Department of Civil Engineering

Department of Civil Engineering

KIET Group of Institutions

Date: 29/07/19

SUMMER INTERNSHIP REPORT

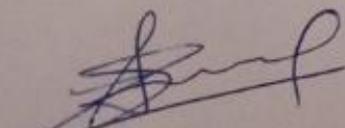
Topic: Planning, designing, analysis and estimation of a project

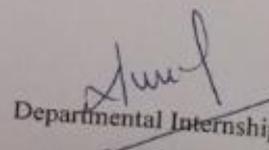
Summary: Summer school was organized in the Department of Civil Engineering under title “Planning, designing, analysis and estimation of a project”. The school was organized during summer break from 22/06/2019 to 20/07/2019. Total 35 number of students attended the program. Preschool activities are conducted during 22/6/2019 to 30/6/2019 and after that classroom training was performed. All the live projects were done in association with Engineering Design and Research Pvt Ltd Noida. During training students learned and practiced on application of geological investigation, checked suitability of construction materials for sustainable development and also learned about the usage of modern techniques in planning, designing and analysis of structures along with the estimation of quantities. For the assessment viva was conducted after the completion of the school. Through this school students learned about the vast working area of Civil Engineering, application of softwares (Auto-cad, Stadd. Pro) for drafting, drawing and analysis of structures, estimate quantities of the project and to build practical understanding of subjects.

All the faculty members of the department shared their expertise under this school. The detailed schedule and topic carried out by different faculty members are shown below:

S.NO	DAY	Faculty	Topic	Time	Area of Discussion
1	Day 1 (01-07-2019)	Prof. Ravindra Gautam	Introduction of school and its need	(9:30 -11:00) - (3:10 -4:30)	
			Followed by surveying techniques,	3 hours	
	Day 1 (01-07-2019)	Dr. Atul Kant Piyoosh	Modern Surveying Techniques	(11:15 - 12:30) - (1:30 - 3:00)	Total Station, GIS
				3 hours	
2	Day 2 (02-07-2019)	Prof. Yasir Karim	Geology of materials and their utility	(9:30 -11:00) - (3:10 -4:30)	Start with rocks and types, Processing
			Usage of different materials in construction process and production process	3 hours	Cement, Aggregates, Admixtures, Waste materials, Bricks etc.
	Day 2 (02-07-2019)	Prof. Vineeta Pal	Introduction to concrete Modern construction techniques in roads & life cycle assessment	(11:15 - 12:30) - (1:30 - 3:00)	

3	Day 3 (03-07-2019)	Prof. Vikas Sharma	Characteristics & Testing of materials for hydraulic structures (Theory Elaborated)	(11:15 - 12:45) 1.5 hours	Here discussion mainly focusses on quality parameters to be checked during construction of hydraulic structures. Better take some live examples. If time permits you may also discuss about different sites of hydraulic structure (You can take example of Shrinagar Hydro Electric Project Utrakhand)
	Day 3 (03-07-2019)	Dr. Kunal Bisht	Fresh and Hardened properties Modern Techniques for estimation of strength properties	(9:30 - 11:00) - (1:30 - 3:00) 3 hours	
	Day 3 (03-07-2019)	Prof. Nitesh	Durability Effects on concrete & mortar	(3:10 - 4:30) 1.5 hours	Elaborated overview on different exposure condition on different structures with age effects (better take some live examples and what strategy was adopted for the recovery)
4	Day 4 (04-07-2019)	Prof. Siddharth Jain	Role of NDT's Case study for retrofitting techniques	(9:30 - 11:00) - (3:10 - 4:30) 3 hours	Using modern techniques Explain using live experiments (Retrofitting of building in CP)
	Day 4 (04-07-2019)	Prof. Vipin Kumar	Floating Structures	(11:15 - 12:30) - (1:30 - 3:00) 3 hours	You may use the case study of Dubai palm
5	Day 5 (05-07-2019)	Prof. Shubham Kumar	Bye-laws for Construction Process, Preparation of Architectural Plan	(9:30 - 11:00) - (11:15 - 12:30) 3 hours	Guideline for construction process ; Prior work need to be done before commencement of class (Ready with plan). Here two lab attendants were also assigned for smooth run of the class
	Day 5 (05-07-2019)	Prof. S.P. Sharma	Elaborated Overview of Structural Design of Building	(1:30 - 3:00) - (3:10 - 4:30) 3 hours	
6	Day 6 (06-07-2019)	Prof. S.P. Sharma	Discussion about wind loading and Earthquake analysis	(9:30 - 11:00) 1.5 hours	As per revised code Discussion mainly related with use of wind tunnel
	Day 6 (06-07-2019)	Dr. Kunal Bisht	Case study on wind loading using hypothetical models	(11:15 - 12:30) 1.5 hours	
	Day 6 (06-07-2019)	Prof. Shivam Kasana	Exposure to Stadd. Pro	(1:30 - 3:00) - (3:10 - 4:30) 3 hours	Analysis of building (Architectural Plan already prepared in previous session)
7	Day 7 (08-07-2019)		Structural detailing drawing using Revit	4 hours	Probabilistic and deterministic approaches. Refer Lombardiya and Bhattacharya paper
	Day 7 (08-07-2019)	Prof. Hemant Gupta	Soil Structure Interaction	3 hours	
8	Day 8 (09-07-2019)	Prof. Sarika Awasti	Design of Footing using Stadd Foundation	4 hours	
	Day 8 (09-07-2019)	Prof. Hemant Gupta	Preparation of Soil Report	3 hours	
9	Day 9 (10-07-2019)	Prof. Shikha Tyagi	Cost Estimation	5 hours	With use of excel


HOD (CE)


Departmental Internship Coordinator

Department of Civil Engineering KIET Group of Institutions

Summer Internship on Planing, Designing , Analysis and Estimation of a Project

Attendance during summer internship program in room number E-113, First floor, Department of Civil Engineering

S.NO	Name	Registration ID	Sem	College	Signature						
					22/06/2019	24/06/2019	25/06/2019	26/06/2019	27/06/2019	28/06/2019	29/06/2019
1	Sarvesh	1602900088	6 th	KIET	P	P	P	P	P	P	P
2	Muhammad Shamim	1602900063	6 th	KIET	P	P	P	P	P	P	A
3	Neeraj Singh Yadav	1602940082	6 th	KIET	P	A	P	P	P	P	P
4	Avinash yadav	1602900031	6 th	KIET	P	P	P	P	P	P	P
5	Vinay Kumar Tiwari	1702900923	6 th	KIET	P	P	P	P	P	P	P
6	Akhil Kumar	1602900008	6 th	KIET	P	P	P	A	P	A	P
7	Adarsh Dwivedi	1602900004	6 th	KIET	P	P	P	P	P	P	P
8	Vivek Tiwari	1602900121	6 th	KIET	P	P	P	P	A	P	P
9	Rishabh Singh Sengar	1602900079	6 th	KIET	P	P	P	P	P	P	P
10	Riyanshu Pal	1602900082	6 th	KIET	A	P	A	P	P	P	P
11	Vaishali Narula	1602900115	6 th	KIET	P	P	P	P	P	P	P
12	Kaushal	1702900912	6 th	KIET	P	A	P	P	P	P	P
13	Shivani Kaushik	1602900095	6 th	KIET	P	P	P	P	P	P	P
14	Harshit Saxena	1702900043	4 th	KIET	P	P	P	P	P	P	A
15	Rishabh Yadav	1602940124	6 th	KIET	P	P	P	P	P	P	P
16	Lalit Sengar	1602900055	6 th	KIET	P	P	P	A	P	P	P
17	Irfan Ansari	1602900046	6 th	KIET	P	P	P	P	P	P	P
18	Jitendra Pal	1602900048	6 th	KIET	P	P	P	P	P	P	P
19	Shashank Kumar	1602900092	6 th	KIET	P	A	P	P	P	A	P
20	Rajiv Ranjan Sahai	1602900075	6 th	KIET	P	P	P	P	A	P	P
21	Neeraj Kumar	1502900070	6 th	KIET	A	P	P	P	P	P	P
22	Archit Kumar	1602900023	6 th	KIET	P	P	P	P	P	P	P
23	Apoorv Singh	1602900021	6 th	KIET	A	P	P	P	P	P	P

24	Arun Yadav	1602900025	6 th	KIET	P	P	P	P	P	P	P
25	Uday Pratap Singh	1602900109	6 th	KIET	P	P	P	P	P	P	P
26	Anand Maurya	1602900013	6 th	KIET	P	P	P	P	P	P	P
27	Vinay Gupta	1602900120	6 th	KIET	P	A	A	P	P	P	P
28	Sachin Verma	1702900919	6 th	KIET	P	P	P	P	P	P	P
29	Animesh Dubey	1602900014	6 th	KIET	P	P	P	P	P	P	P
30	Adesh Verma	1602900005	6 th	KIET	P	P	P	P	P	P	P
31	Garvit Garg	1602900039	6 th	KIET	P	P	P	A	P	P	P
32	Prince Chaudhary	1702840109	4 th	KIET	P	P	P	P	P	P	P
33	Prema Singh	1602900050	4 th	KIET	P	P	P	P	P	P	P

Inderprastha Engineering College

1	Aman Chauhan	1603000013	6 th	IPEC	P	P	A	P	P	P	P
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Gautam Buddha University

1	Akshat Singh	16ICE009	6 th	GBU	P	P	P	P	A	P	P
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11	Vaishali Narula	1602900115	6 th	KIET	P	P	P	P	P	P
12	Kaushal	1702900912	6 th	KIET	P	P	P	P	P	P
13	Shivani Kaushik	1602900095	6 th	KIET	P	P	P	P	A	P
14	Harshit Saxena	1702900043	4 th	KIET	P	P	P	P	P	A
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