

Civil Engineering Department
Session 2018-19

FDP organized

Sr . No.	Organized By	Title of FDP	Particip ants	Durati on	Ses sion
1.	Mr. Rohith N. Gowda, Director, HOSHO Consulting Private Limited, Bangalore	One Week Faculty Skill Training Program on “Open Road Designer & Open Road Concept Station (MX-Road)”	17	23 rd to 27 th Oct. 2018	2018-19
2.	Mr. Sanket S. Sanghai, Assistant Professor, Civil Engineering Department, G. H. Raisoni College of Engineering, Nagpur	One Week Faculty Skill Training Program on “STAAD Pro.”	18	26 th to 30 th Nov. 2018	2018-19



Guest and Delegates for Inauguration of function “Open Road Designer & Open Road Concept Station (MX-Road)”



Guest and Delegates for Valedictory function “Open Road Designer & Open Road Concept Station (MX-Road)”



Inauguration Function “STAAD Pro.”



**Mr. S. S. Sanghai delivering Session
“STAAD Pro.”**

National Summit on “Smart solutions to Smart cities”



*Chief Guest: Dr. Ramnath Sonawane
CHIEF EXECUTIVE OFFICER, Nagpur Smart and
Sustainable City Development Corporation Limited*



*Inauguration - Dr. Ravindra, IAS(Retd.), Former Chief
Secretary, Govt. of Karnataka, Bengaluru Area, India*

Program Committee Members total-
 Review Committee = Internal : 28
 Key Note Speeches: 04
 Invited talk: 16
 Startup talk: 5

Registered Participants : 231
 Participants from Industry: 02
 Participants from the Academics: 19
 Students Participants: 210

STUDENT SKILL WORKSHOP (UG)

Sr. No	Workshop Name	Workshop	From Date	To Date	Resource Person	TAEs/CAEs Conducted / proposed	No. of Students Beneficiary	No. of Students (>= 75 % Att)
1	Primavera (V-A)	Workshop	02-07-18	09-07-18	A. A. Gulghane / N. J. Sahare / S. S. Solanke	Mini Project/case study	64	64
2	Primavera (V-B)	Workshop	02-07-18	09-07-18	A. A. Gulghane / N. J. Sahare / S. S. Solanke	Mini Project/case study	63	60
3	Complete process of Construction of own house : case study (III-A)	Workshop	06-07-18	06-07-18	S. D. Ghodmare	Division of land for Lay-outing as per norms	60	54
4	Complete process of Construction of own house : case study (III-B)	Workshop	12-07-18	13/7/2018	M. P. Bhorkar	Division of land for Lay-outing as per norms	60	60
5	Vastu Concepts for building (III-A)	Workshop	19/7/2018	19/7/2018	M. P. Bhorkar	Planning a residential house G+1 for 30ft x 50ft and 40ft x 50ft	62	62
6	Vastu Concepts for building (III-B)	Workshop	20/7/2018	20/7/2018	Dr. B. V. Khode	Planning a residential house G+1 for 30ft x 50ft and 40ft x 50ft	62	58
7	Complete process of Construction of own house : case study (VII-A)	Workshop	09-08-18	10-08-18	M. P. Bhorkar	Division of land for Lay-outing as per norms	71	63
8	Complete process of Construction of own house : case study (VII-B)	Workshop	16/8/2018	17/8/2018	S. D. Ghodmare	Division of land for Lay-outing as per norms	52	39

9	Environmental Audit:Case study	Workshop	4/2/2019	4/2/2019	Dr.I.P.Khedikar	Environmental Audit of GHRCE	69	68
10	Environmental Audit:Case study	Workshop	11/2/2019	11/2/2019	Prof.S.Jadhav	Environmental Audit of GHRCE	81	76
11	Vaastu Concept for Building	Workshop	1/2/2019	1/2/2019	Dr.B.V.Khode	Case study	69	65
12	Vaastu Concept for Building	Workshop	8/2/2019	8/2/2019	Prof.M.P.Bhorkar	Case study	81	75
13	Property Tax & Estimation	Workshop	15/2/2019	15/2/2019	Prof.S.D.Ghodmare	Case Study and MCQ	69	63
14	Property Tax & Estimation	Workshop	18/2/2019	18/2/2019	Prof.A.A.Gulghane	Case Study and MCQ	81	72
15	Total Station	Workshop	15/2/2019	15/2/2019	Prof.P.B.Patil	MCQ	62	58
16	Total Station	Workshop	5/3/2019	5/3/2019	Prof.N.H.Pitale	MCQ	86	82

M. Tech. (Transportation Engineering)			
S. No	Name Of Workshop	Date	Name Of Students / Beneficiary
1	Deveploers Tutorial & Hackathon Conducted On Oct 27-28, At Iiit Hyderabadon Disasrter Management (Iit Hydrabad)	Oct27-28, 2018	Er.Mujammel Z Shaikh (10) Er.Shrivastav.Sutar(13)

2	Gian Course- Effective Road Safety Practices, Prevention Is Better Than Cure.	4th August To 10th August 2018 At Svnit,Surat	Chinataman Bari Mahindra Deshmukh
3	Irc 79th Annual Session Divisional Complex, Nagpur	22nd Nov To 25th Nov 2018	Shrivastav.Sutar (13) Arun Tarar (19)
4	National Seminar On Traffic Infra Tech Expo (2018) And Parking Infratech Expo (2018)	25th – 27th October 2018 Bombay Exhibition Centre, Mumbai	Abhishek Chavan Vattsal Shah
5	34th National Convention For Civil Engineering, & National Seminar On Recent Advances In Infrastructure Development	08-09 Sept 2018	Pranjali Goyal, Abhishek Chavan, Pratik Walke, Manisha Gupta, Ashik Kadhao Preeti Sharma, Ashish Pandey Muzammel Shaikh, Shrivastav Sutar, Vatsal Shah



DEVEPLOERS TUTORIAL & HACKATHON CONDUCTED ON OCT 27-28, AT IIIT HYDERABAD On DISASRTER MANAGMENT



IRC 79th Annual Session Divisional Complex, Nagpur



34th National Convention for Civil Engineering, & National Seminar

34th National Convention for Civil Engineering, & National Seminar	
--	--

M. Tech (Environmental Engineering)			
Sr. No	Name of Workshop	Date	Name of students/ Beneficiary
1	One week EIA Training Programme organised by CSIR- National Environmental Engineering Research Institute	29 th October to 02 nd November 2018	Dinanth Khadgi (1)
2	Operation and Maintenance of Water Treatment Plant, organised by IWWA Nagpur	12-13 th October 2018	Shraddha Tiwari (1)



Faculty Training /Workshop (Outside the Campus)

Sr. No.	Faculty	Institute	Date	Workshop
1	Prof. S. S. Sanghai	VNIT, Nagpur	29 th Oct to 2 nd Nov 2018	Wind Effect on Structure
2	Prof. A. Manchalwar	VNIT, Nagpur	29 th Oct to 2 nd Nov 2018	Wind Effect on Structure
3	Prof. M. Ghawade	GHRAET, Nagpur	26 th to 30 th Nov	Internet of Things & its Applications
4	Prof.K.R.Dhabe kar	IIT Bombay	28/07/2018	Unnet Bharat Abhiyan
5	Dr. I.P.Khedikar	BARC	11/10/2018	Domastic Water Purificer

		Training Center Mumbai		Programme
6	Prof. Mangesh Bhorkar	BARC Training Center Mumbai	15/10/2018	Bio-Gas Programme



Prof. S. S. Sanghai and Prof. A. A. Manchalwarof GHRCE, Nagpur attends STTP on “Wind Effect on Structure” at VNIT, Nagpur

M.TECH STRUCTURAL ENGINEERING					
Sr. No.	Name of Speaker	Designation & Address	Topic	Date of Conduction	Semester
1.	Dr Naresh Ram chandani IIT Bombay	Prof. IIT Mumbai	Analysis of Structures and Theory of Elasticity and Elastic Stability	08/09/2018	I
2.	Software Trainer	Mr. Sumit Jain	Software used in Finite Element Analysis and job opportunities	17 th January, 2019	III
3.	Metro Officials	Metro Development Corporation	Metro Sauwad	11 th January 2019.	III

FACULTY SKILL WORKSHOP (GHRCE)

S R. NO.	FACULTY	INSTITUT E	DATE	WORKSHOP
1	Prof. V. K. Gajghate Prof. A. A. Naitam Prof. K. R. Dabhekar	GHRCE	29 th Oct to 03 rd Nov & 12 th to 17 th Nov 2018	3D Printing Technology in Engineering & Application
2	P. Moharana Akash Sharma P. V. Gadekar A. A. Gulghane	GHRCE	15 th Oct to 28 th Oct 2018	PYTHON

3	N. J. Sahare M. P. Bhorkar I. P. Khedikar S. Harne S. Jadhav S. Ambatkar	GHRCE	15 th Oct to 27 th Oct 2018	Internet of Things & its Applications
4	Prof. B. V. Khode Prof. S. D. Ghodmare Prof. A. A. Gulghane Prof. Aakash Sharma Dr. A. Manchalwar Prof. M. Ghawde Prof. Shrikant Solanke	GHRCE, Nagpur	(23 rd to 27 th Oct. 2018)	Open Road Designer & Open Road Concept Station (MX-Road)
5	Dr. P. Y. Pawade Prof. B. V. Khode Prof. K. R. Dabhekar Prof. A. A. Gulghane Prof. Aakash Sharma Prof. Shrikant Solanke Dr. I. P. Khedikar Prof. M. P. Bhorkar Prof. P. V. Gadekar Prof. V. K. Gajghate Prof. S. S. Harne	GHRCE, Nagpur	26 th to 30 th Nov. 2018	STAAD Pro.

Faculty as a resource person –BOS /Academic council/lecturers

Sr. No.	Faculty Name	Role of Faculty (Guest Speaker, Reviewer, Editor, Evaluator, Keynote, Chair, Session Chair)	Activity for which as a recourse person (Workshop, STTP, NC,IC)	Venue	Date
1.	S. S. Sanghai	Guest Speaker	Faculty Skill training programme on "STAAD Pro."	GHRCE, Nagpur	26-30 Nov 2018
2.	Dr. P. Y. Pawade	Convener	Faculty Skill training programme on "STAAD Pro."	GHRCE, Nagpur	26-30 Nov 2018
3.	Dr. P. Y. Pawade	BoS Chairman	B.Sc. (Fire Engg.)	G. H. Raisoni University, Amravati	2018-19
4.	Dr. B. V. Khode	BoS Chairman	B.E. (Civil Engg.)	G. H. Raisoni University, Amravati	2018-19

Participation of Students

Name Of Student	Activity	Remarks
Aishwarya Gajbhiye	Value Creation, 4 And 5 -Aug-18/Low Cost Housing	Winner
Akanksha Parate	Workshop IIT Madras,22 July-18	Winner
Disha Zade	Value Creation, 4 And 5 -Aug-19/Social Work	Runner-Up
Kajal Raut	Value Creation, 4 And 5 -Aug-18/Low Cost Housing	Winner
Kirti Kawase	Value Creation, 4 And 5 -Aug-18/Low Cost Housing	Winner
Adib Ali	Value Creation, 4 And 5 -Aug-18,ISSUES Quize,YCCE 16, 17 And 18 Aug-18,	Winner
Amey Ramesh Rewatkar	18,Workshop IIT Madras,22 July-18,	Winner
Amey Sunil Bhuyar	Competition RANG RACE, LIT Nagpur,9,Sep-2018, SD Workshop, 22 Julu-18,Workshop IIT Madras,22 July-18,	Runner-Up
Amit Tejkumar Sonekar	Value Creation, 4 And 5 -Aug-18/LCH	Runner-Up
DIGVIJAY SARVE	ISSUES Quize,YCCE 16, 17 And 18 Aug-18, Value Creation, 4 And 5 -Aug-18	Winner
Gaurav Waman Pradhan	LCH	Winner
Harsh Indrapal Thakur	Qquizapur, LIT Nagpur, 9 Sep-18, Competition RANG RACE, LIT Nagpur,9,	Runner-Up
Harshal Gahane	Value Creation, 4 And 5 -Aug-18/LCH	Runner-Up
Maneesh Kumar Mehdole	TECHTRIX, 17 And 18 Aug-18,Circuit Hunt, YCCE,17 And 18 Aug-18,	Winner

Name of Student	Event	Remarks
-----------------	-------	---------

Ankita Wandile	Tech For India	Winner
Akshay Rawate	Pubg, Merge, Icon 18.0, Intech 2k18,,	Winner
Amaresh Rout	Pubg,	
Amit Hayaran	Pubg,	Winner
Amul Tembhare	Pubg, Ctsc, Icon, Intech 2k18, Merge,	Runner-Up
Ankit Deshbhartar	Merg2018, In-Tech 2k18, Icon 18.0, Pubg,Mun	Winner
Anuj Singh	Pubg,	Runner-Up
Anvit Dharmik	NMC-CFSD, Jeevanjyoti,,ICE, Udemty (2), ACM, LETSPY 2K18	Winner
Archit Kale	Pub-G, Perfect Shot,	Runner-Up
Ashay Sawarkar	I5,Euphony,	Runner-Up
Ashish Rao	Pubg,	Runner-Up
Avinash Kawre	Pub-G (3), Merge, Intech 2k18, Icon (2),	Winner
Chandan Kamdi	I5,	Winner
Deepak Sahoo	Pubg,	Runner-Up
Gaurav Kumar Suman	Isi (3),Pubg,	Winner
Harshit Baghel	Pubg,	Winner
Himanshu Pawar	Merg2018, In-Tech 2k18, Icon 18.0, Pubg, Mun	Winner
Kaustubh Juare	Pubg,Merge (2), Cfsd, Electric A18.0 (2),Vanashree	Winner
Kunal Rangari	Pubg, Merge (2), Electric A18.0 (2),Vanashree, Letspy 2k18, Cfsd	Winner
Mounil Junghare	Isi (4),	Winner
Navin Bisen	Pub-G (3), Icon 18.0, Intech, Merge,	Runner-Up
Nayan Shirbhate	Merg2018, In-Tech 2k18, Icon 18.0, Pubg, Mun	Winner
Nayan Gade	Pubg,	Runner-Up


Nishant Namlewar	Isi (2),	Runner-Up
Piyush Pal	Ai&MI, Icon18.0 (2), Mechfesta18, Mechmerise2k18, In-Tech2k18, Pub-G (2),	Runner-Up
Praveen Gupta	Pubg, Merge, Icon 18.0, Intech.,	Runner-Up
Sagar Dahake	I5, Geners (2)	Winner
Sameer Khond	I5,Jeevanjyoti	Winner
Saurabh Wagh	Pubg,Jeevanjyoti, Geners (2)	Winner
Shreyas Nimbalkar	I5,Jeevanjyoti, Geners (2)	Winner
Shreyash Wadgure	Pubg,Geners (2), E-Summit18,	Winner
Shubham Kabra	Pub-G (2), Intech, Icon,Jeevan Jyoti Blood Bank	Winner
Shubham Tumsare	TB-Free India Pledge, NCW,NHRC	Winner
Umesh Donode	Electric A18.0, Pub-G (2),Vanashree, Manit, Ai&MI,	Winner
Vikram Mali	Pub-G (2), Intech, Icon, Merge, Vanashree, Letspy 2k18,	Winner
Vrushabh Salwatkar	Icon18.0, Mechfesta18, Mechmerise2k18, In- Tech2k18, Pub-G (2),Vanashree, Ai&MI	Winner
Yash Sahu	PUB-G (2),Building For A Billion,	Winner
Akash Deshmukh	Icon18.0, Mechfesta18, Mechmerise2k18, In- Tech2k18, Pub-G (2),Vanashree, Ai&MI	Winner


Name of Student	Name of Activity	Remarks
Komal Sanjay Deotale	PUB-G), B. A Camp	Winner
Shriya Dinesh Patle	YCCE), B. A Camp	Winner
Tanvi Derkar	YCCE, PUB-G, P PIET	
Yogita Shrikrushna Ingle	MOT	Winner
Aishwarya R Poreddiwar	B. A Camp	Runner-Up

Akshay Ashok Dhale	B. A Camp	Winner
Anirudh Kushwaha	PUB-G, PCE, B. A Camp	Runner-Up
Ayush Pareek	YCCE, PUB-G	Winner
Farhan Abdul M Chaudhari	PUB-G, VNIT, B. A Camp	Runner-Up
Gaurav Ashwin Khurana	YCCE, PUB-G	Runner-Up
Likhit Ramesh Bhandarkar	MOT, PUB-G	Runner-Up
Mayur Madhukar Chopade	PUB-G, B. A Camp	Winner
Nikhil Namdeo Dudhe	B. A Camp	Winner
Nikhil Naresh Chouksey	YCCE, PUB-G, PIET, B. A Camp & VNIT Workshop	Runner-Up
Pranchit Pramod Channawar	PUB-G, VNIT, B. A Camp	Winner
Prashik Vasant Narwade	PUB-G, Wokshop at VNIT	Winner
Punit Hirdilal Sharnagat	B. A Camp	Winner
Raunak Yogesh Chawda	PUB	Winner
Roshan G Dahaghane	PUB-G	Winner
Rushikesh Narayan Panzade		Winner
Vishal Manohar Surve	PUB-G, RCER, SBA NMC, BD, Wokshop at VNIT	Runner-Up
Shubham Balkrushna Patil	PUB-G, PIET, SBA	Winner
Nihal Pandurang Khekade	YCCE, PUB-G	Runner-Up
Brijesh Bhagwant Manerao	YCCE, PUB-G, Wokshop at VNIT	Runner-Up
Lalit Chhatrapal Patle	PUB-G	Runner-Up
Rohan Rajendra Kathoke	YCCE, PUB-G	Runner-Up
Taher Abbas Shibam	VNIT, YCCE	Winner
Gaurav Gangadhar Thosare	PUB-G	Winner
Piyush Dilip Bhonga	PUB-G, Wokshop at VNIT	Winner
Ranjeet Kamlakar Lungare	PUB	Winner

Jagdish Manaklal Paliwal	PUB-G	Winner
Sumitkumar Lilaram Badwaik	PUB-G, VNIT,	Winner
Vaibhav Dinkar Soor	PUB-G, VNIT	Winner
Anil Dhanraj Ninawe	SBJIET, PUB-G	Winner
Himanshu Ishwar Jain		Winner
Dhirajkumar Rajesh Yadav	YCCE. PUB-G, SBJIET	Winner
Punam Pramod Tidake	PUB	Winner
Shruti Mohan Shrikhande	PUB	Winner
Niranjan Arun Sahoo	YCCE	Winner
Amirkhan I Mehmudkhan	YCCE	Winner
Abhiraj Nandlal Jaiswal	YCCE	Winner
Neha Dattatraya Wazarkar	YCCE	Winner

Unnat Bharat Abhiyan

S.N	Title of activity	Photo of event	Brief information of event in 1 para
1.	Visit Under Unnat Bharat Abhiyan the House Hold Survey and Village Survey: Ridhora Village		<p>Ridhora Block / Tehsil → Katol District → Nagpur State → Maharashtra About Ridhora Village code of Ridhora village is 535022. Ridhora village is located in Katol Tehsil of Nagpur district in Maharashtra, India. It is situated 7km away from sub-district headquarter Katol and 6km away from district headquarter Nagpur. As per 2009 stats, Ridhora village is also a gram panchayat.</p> <p><u>Population of Ridhora</u> Total Population 3,595 Male Population 1,844 Female Population 1,751 Connectivity of Ridhora</p>

			
2.	<p>Visit Under Unnat Bharat Abhiyan the House Hold Survey and Village Survey: Rampuri Village</p>		<p>Rampuri Block / Tehsil → Savner District → Nagpur State → Maharashtra About Rampuri Village code of Rampuri village is 535226. Rampuri village is located in Savner Tehsil of Nagpur district in Maharashtra, India. It is situated 12km away from sub-district headquarter Savner and 53km away from district headquarter Nagpur. As per 2009 stats, Rampuri village is also a gram panchayat. Population of Rampuri Total Population 1,009 Male Population 527 Female Population 482 Connectivity of Rampuri</p>
3.	<p>Visit Under Unnat Bharat Abhiyan the House Hold Survey and Village Survey: Bhagimahari Village</p>		<p>Bhagi Mahari About Bhagi Mahari Village code of Bhagi Mahari village is 535241. Bhagi Mahari village is located in Savner Tehsil of Nagpur district in Maharashtra, India. It is situated 8km away from sub-district headquarter Savner and 48km away from district headquarter Nagpur. As per 2009 stats, Narsala is the gram panchayat of Bhagi Mahari village. Population of Bhagi Mahari Total Population 983 Male Population 600 Female Population 383</p>

4.	<p>Visit Under Unnat Bharat Abhiyan the House Hold Survey and Village Survey: Narasala Village</p>		<p>Narsala Block / Tehsil → Savner District → Nagpur State → Maharashtra About Narsala Village code of Narsala village is 535238. Narsala village is located in Savner Tehsil of Nagpur district in Maharashtra, India. It is situated 10km away from sub-district headquarter Savner and 55km away from district headquarter Nagpur. As per 2009 stats, Narsala village is also a gram panchayat. Population of Narsala Total Population 876 Male Population 447 Female Population 429 Connectivity of Narsala</p>
5.	<p>Visit Under Unnat Bharat Abhiyan the House Hold Survey and Village Survey: Tidangi Village</p>		<p>Tidangi Block / Tehsil → Kalameshwar District → Nagpur State → Maharashtra About Tidangi Village code of Tidangi village is 535099. Tidangi village is located in Kalameshwar Tehsil of Nagpur district in Maharashtra, India. It is situated 23km away from sub-district headquarter Kalameshwar and 45km away from district headquarter Nagpur. As per 2009 stats, Tidangi village is also a gram panchayat. Population of Tidangi Total Population 1,085 Male Population 555 Female Population 530 Connectivity of Tidangi</p>

Visit Report for IIT Bombay & Industries at Mumbai, from 19th to 21st Nov.2018

Name of institution	Indian Institute of Technology, Powai	
Address of institution	IIT Powai, Bombay	
Name of contact person	Dr. Naresh Chandiramani	
Date of visit	19/11/2018	
Name of	1. Dr. P.Y. Pawade 2. Prof. S.S. Sanghai	6. Prof. P. Moharana 7. Prof. M.S. Ghawde

faculties visited	3. Prof. K.R. Dabhekar 4. Prof. N.H. Pitale 5. Prof. N.J. Sahare	8. Prof. P.V. Gadekar 9. Prof. S.G. Jadhav
--------------------------	--	---



Group Photo



Shake Table



Shear center testing instrument



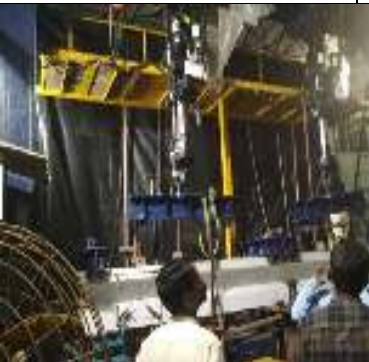
Modular Compact Rheometer



Small Centrifuge



Advanced Direct shear Apparatus



Loading Frame



Centrifuge of 200GT



Geodesy Instrument



Wind Tunnel



Permeability Apparatus



Kaplan Turbine



3D Mixer



Twin Shaft Mixer



Research-Ocean Waves



UTM



Traffic Simulator



Automated Compactor &
Relative Density Apparatus



Friction Load Apparatus



Oedometer



Torsion Testing Instrument

Details of visit

Experimental Mechanics Lab

- They have fabricated 3 point bending truss apparatus with the combination of strain gauges.
- UTM is having capacity of 10 tonnes in compression and 7 tonnes in tension with the actuator.
- UTM is having two point and single point arrangement for testing different sample.
- Research studies on base isolation of a building is going on with the help of horizontal shake table of single axis vibration. They have used rubber material for periodic foundation. MATLAB software was used for simulation purpose.

Solid Mechanics Lab

- The main objective of the lab was to make the students understand and believe what they studied and derived in the classroom.
- Friction Experiment for determining the load at which sliding takes place.
- Experiment for determining shear center of thin open channel section was available.
- Instrument for determination of deflection in cantilever beam in X-Y-Z plane.
- Experimental setup for calculation of Poisson's ratio of cantilever mild steel beam.
- Experimental setup for verification of reciprocal theorem of simply supported beam.

Advance testing lab

- Instrument called as Modular Compact Rheometer which is the advanced replacement of softening point test and the entire procedure of testing explained in AASHTO.
- They have used Data physics to calculate surface tension
- Instrument which recycled the aggregate after demolition by extracting binders from the material.
- Instrument for evaluating of carbon nanotube on aging resistivity, thermal susceptibility and storage stability of asphalt binders.
- Ductility testing machine for testing bituminous material in four layer at the same time.

- Asphalt ignition oven for heating asphalt material at high temperature.
- Instrument which tests what will happen to bituminous road after 7 years in 20 hours.
- Aggregate Imaging apparatus in order to check the working condition of aggregate.
- Stone Polishing Machine is used to stimulate the abrasion value of aggregates.

Geotechnical lab

- Most of the experiments were to make the students understand and believe what they study in the classroom.
- Use of vibratory sieve shaker as a shake table to demonstrate liquefaction.
- Three centrifuge modeling apparatus of different sizes. The largest centrifuge modeling of INDIA was first developed at IIT Bombay. This apparatus is used for testing prototypes or models like earthen dams, embankments, foundations etc. to represent actual structures.
- The capacity of the largest centrifuge is about 200GT and smaller is having 50GT.
- Consolidation tests being carried out for more than 2 months under controlled environmental conditions.
- Conventional triaxial and rock triaxial apparatus were also available with hydraulic jack for giving confining pressure.
- Modified Triaxial Apparatus with pneumatic control panel for testing soil sample of different sizes in the ratio 1:2.
- Automated compaction machine was there, where we can do standard compaction as well as modified compaction.
- Advanced Direct Shear apparatus with digital control panel for giving the normal load and rpm rate.
- Relative Density apparatus was available.

Concrete lab

- Latest technologies of mixing concrete like 3D Mixer, twin shaft mixer were used for research works.
- A special modern imported equipment was used for testing the strength of concrete under precise and controlled loading.
- Permeability test for concrete blocks was done by water permeability apparatus.

Heavy structures lab

- Tensile strength of material is done in the UTM using extensometer to get accurate and detailed results for better understanding of students.
- Two UTM having capacity 50tonnes and 25tonnes respectively for tension test of steel and other materials like wood, plastic etc.
- IS1608 gives the basic of gauge length and use of extensometer.
- Data logger was used to collect experimental results from all the equipment to the computer.
- Torsional strength of materials was found by a digitalized instrument.
- Loading frame is used to test the bridge girder of capacity 120 tonnes

	<p>with 50 tonnes hydraulic actuator.</p> <p>Hydraulics lab</p> <ul style="list-style-type: none"> ➤ A research study on the effect of ocean waves was going on and its possible remedial solutions were tried. ➤ A wind tunnel was there to study the effects of air moving past solid objects. ➤ Hydraulic Jump ➤ Permeability tank was used to check the different types of flow viz., laminar, turbulent flow by using dye. ➤ Kaplan turbine was used for low heads hydro sites and are especially suited for high flow conditions. <p>Geodesy lab</p> <ul style="list-style-type: none"> ➤ Total station, Auto-level, GPS, Tachometer, optical level, bar code staff instruments were used for performing different surveying practical.
Suggestions given by Institute	<ul style="list-style-type: none"> ➤ Strain gauges can be used to detect minute changes, cracks and other such changes in the structural element. ➤ Use of extensometer during the tensile test is must. ➤ Correlation between tension and other tests like bending, shear, hardness test should be taught. ➤ Experiment on calculation of shear center on C-section can be included. ➤ Theoretical derivations need to prove experimentally in the laboratory so that students will understand it in better manner.
Equipment or software required	<ul style="list-style-type: none"> ➤ VISSIM software for simulation purpose. ➤ Loading frame with hydraulic jack & actuators. ➤ 5 Accelerometer with data acquisition system is important to plot the response of the structure. ➤ Centrifuge testing machine for increasing gravitational force. ➤ Liquefaction apparatus.

Name of company	Larsen & Toubro Realty	
Address of company	L&T Business Park Tower A, 10 th floor gate no. 5, Powai Mumbai 400072, MH.India	
Name of contact person	Ms. Aayushi Gupta and Mr. Hari Easwaran (HOD)	
Date of visit	20/11/2018	
Name of faculties visited company	<ol style="list-style-type: none"> 1. Dr. P.Y. Pawade 2. Prof. S.S. Sanghai 3. Prof. K.R. Dabhekar 4. Prof. N.H. Pitale 5. Prof. M.S. Ghawde 	<ol style="list-style-type: none"> 6. Prof. P.V. Gadekar 7. Prof. S.G. Jadhav 8. Prof. N.J. Sahare 9. Prof. P. Moharana



Group Photo



On site





On site






Details of visit



- L&T is involved in lot of projects whether it be India's first nuclear submarine or smart city or launching of multiple satellites to the business agility, L&T has taken variety of projects and fulfilled all the demands. Their headquarters are located in Mumbai, Bangalore and Chennai. L&T is spread not only into engineering domain but also in infrastructure and management and much more. Heavy Engineering facilities are provided here. They have focused on the resources getting depleted and how there is a need for replacement of energy sources. One such source of energy is nuclear fission. L&T has won more than 32 awards. The upcoming big project is of chandrayan.
- L&T Reality is divided into two teams-1) Contracts and Procurement and 2) Design Team. Both the teams are further sub-divided into three categories namely- Civil Structures, Interior and MEP (Mechanical, Electrical and Public health Engineering). Mr. Nidhish Singh and Mr. Subrata showed videos focusing on the projects in which L&T Reality is involved along with the various domain being covered by them.
- Various software that are necessary to be learned before entering the industry are: ETABS, SAFE and BIM. MS-Project and primavera are required for project management. Dilax is other software which can be

	<p>used for lighting design. They mentioned about the short term courses which they run for students for increasing their knowledge and updating them with the technology. These courses are of 1 or 2 week.</p> <ul style="list-style-type: none"> ➤ For smart buildings, the ventilation, lighting and green building concepts must be known to the students. L&T has used various materials and technologies which has reduced the time of construction and has increased the quality of construction with reduction in wastage. Micro-silica and fly ash was used. Composite columns were used on their site in which the steel sections are erected first and then concrete is poured to form a composite section of high strength. This leads to faster construction. Interior team mentioned about how to attain high glazing heights without many columns. It was explained in the conference hall of site. All these points were discussed which can be implemented in our curriculum.
Suggestions given by company	<p>Each one of the team members have added the slide in their PPT which showed points indicating topics that can be added in the curriculum. The points mentioned are:</p> <ul style="list-style-type: none"> ➤ Prepare students for the Inter-personal challenges. ➤ Techniques for water-proofing. ➤ Electrical networking in a structure. ➤ Introduction of course on MEP. ➤ Formwork basic knowledge. ➤ Internet of things. ➤ BIM ➤ Fire requirements ➤ Finishing works ➤ Destination control systems for elevators(To reduce congestion in Lobby) ➤ Smart buildings ➤ New standard codes like- National Building codes (NBC), Energy conservation building codes (ECBC) can be added in the curriculum. Also, the knowledge of Real Estate Regulation Act (RERA) shall be given to students. ➤ Basic knowledge of Goods & Service tax (GST) 2017 can be provided. ➤ Knowledge of new technologies and housing provisions to meet the requirements of affordable housing mission 2022 can be provided. ➤ Tie up with companies having different backgrounds for elective subjects. ➤ Latest construction technologies- precast/prefab, Concrete filled tubes (CFT), new materials shall be introduced in syllabus. ➤ New software like Nevisworks, sketchupPro, ETABS can be studied. ➤ Time and cost analysis. ➤ Project management tools.


Name of company	Runwal Developers
Address of company	Runwal Eirene, Opp; Colour Chem, Near Nicholas Piramal Healthcare, Balkum, Thane (W)-400 608
Name of contact	Er. Punit Gandhai




person	
Date of visit	20/11/2018
Name of faculties visited company	1.Prof. N.H.Pitale 2. Prof. N.J.Sahare 3.Prof. P.Moharana
 <p>Site Visit</p>	 <p>Interaction at Site</p>
Details of visit	<ul style="list-style-type: none"> ➤ Construction of 6 buildings (G+25 or more) were going on. ➤ We enquired about all the technologies used for the construction from the Engineer-in-charge. The latest technologies used were- <ul style="list-style-type: none"> ▪ Trimix concrete(due to unavailability of sand, this ready-made concrete mix was being used). ▪ Vacuum pumping of concrete was done to increase the strength of concrete(In order to use concrete at a very high level, pumpable concrete is required. For pumpable concrete the w/c is very high which affects the strength of concrete, hence with the use of vacuum pumping technology the extra water was pumped out after laying of concrete which improves the strength). ▪ Water proofing membrane. ▪ Aluminum Formwork. ▪ Waste management technology to reduce load on the Government. ▪ Use of IoT.
Suggestions given by company regarding Curriculum	<ul style="list-style-type: none"> ➤ Students should read journals relating to latest technologies which can be adopted on site. ➤ Water-proofing knowledge. ➤ Firework requirements and studies. ➤ Formwork.
Benefits for students during internship	<ul style="list-style-type: none"> ➤ For students it will be one of the best place for internship. It will provide exposure to students from foundation to finishing (as all type of works are going on). ➤ Students will get practical knowledge on core subjects like RCC, Soil Mechanics, Surveying, Environmental engg., etc. with all the latest technologies that are practiced on site. ➤ Ideas on MEP (Mechanical Electrical Public health engineering). ➤ We have to contact HR for MoU.

Name of company	J Kumar Infraprojects Limited			
Address of company	16-A, Andheri Industrial Estate, Veera Desai Road, Andheri (West), Mumbai Maharashtra 400053			
Name of contact person	Er. Sahil Lokhande			
Date of visit	20/11/2018			
				
Group Photo	Excavator	Foundation	Power Showel	Shoring provided for collapsible soil
Details of visit	<ul style="list-style-type: none"> ➤ The company is currently working on the Underground Metro Project Phase 3 which is going to connect Dharavi and Santacruz. The excavation work has been started and foundation has been laid. ➤ It is mainly funded by MMRC (Mumbai Metro Rail Corporation) and will be called as Sahar Station. ➤ The depth of the excavation is 28 to 30 m which is regarded as deep excavation. The no. of piles to be given are 1200. Pile diameter is around 800 mm. ➤ The concreting done for the foundation is 1700 m³. ➤ Various types of excavators and lifting machines were used. ➤ 50 mm steel bars mesh was provided which will be erected to a certain height. ➤ Sub-surface profile of excavated soil is black cotton soil followed by clayey sand and murrum followed by gravels and boulders. ➤ The testing of soil sample was done in laboratory near to the site, specifically the sample collected was for the determination of field density using sand replacement method and core cutter. ➤ Concrete piles will be provided after the complete excavation. ➤ Shoring piles are provided to retain the collapsible soil in its position. 			
Suggestions given by company	<ul style="list-style-type: none"> ➤ Testing of the sample should be done carefully and appropriately. ➤ Soil properties plays an important role while finalizing the foundation. ➤ Knowledge of sub-surface condition should be known. ➤ Engineering Geology should be introduced in the curriculum. ➤ 5. Chemical analysis of water sample is necessary. 			

Name of company	Hindustan Construction Company	
Address of company	Hincon House, LBS Marg, Vikhroli West Mumbai 400083	
Name of contact person	Mr. Sangeet Kumar (HR)	
Date of visit	21/11/2018	
Name of faculties visited company	<ol style="list-style-type: none"> 1. Prof. N.H. Pitale 2. Prof. N. Sahare 3. Prof. P. Moharana 4. Prof. P.V. Gadekar 5. Prof. M.S. Ghawde 6. Prof. S.G. Jadhav 	
	 <p>Group Photo</p>	 <p>Interaction with faculty at Site</p>
Details of visit	<ul style="list-style-type: none"> ➤ HCC was established in year 1926. It has various ongoing projects including hydel power plants, nuclear power plants, expressways, highways, tunnels and bridges. ➤ Bandra-Worli sea link is constructed by HCC. It is a cable-stayed bridge with pre-stressed concrete-steel viaducts on both sides which links Bandra in the western suburbs with worli in south Mumbai. 	
Suggestions given by company	<ul style="list-style-type: none"> ➤ Various techniques including the new technologies can be added as a part of curriculum. ➤ Codes to be referred can be studied depending on the topic including new codes and the additions done in the old codes. 	

Name of company	Samsung C&T India
Address of company	Bandra Kurla complex, Bandra East
Name of contact	Er. Viraj Kasturewale, Mr. Dhiraj Upadhyay (Deputy General Manager)

person		
Date of visit	21/11/2018	
Name of faculties visited company	1.Dr. P.Y. Pawade 2.Prof. S.S. Sanghai 3.Prof. K.R. Dabhekar	
		
Group Photo	Site picture	On Site
Details of visit	<ul style="list-style-type: none"> • The site was for Dhirubai Ambani convention Centre which consists of the exhibition halls, meeting rooms, auditoriums, banquet hall ,guest house etc. • Composite sections and steel sections were used for columns. • Deck slab was provided. • Tree columns were given for exhibition hall. • Safety tools like helmets, jackets and safety shoes were compulsory on site. • Dry wall was provided. • Beam column joint were given. • Cooling chamber was designed for the centralized cooling purpose. 	
Suggestions given by company regarding Curriculum	<ul style="list-style-type: none"> • Knowledge of safety tools details and safety norms shall be added in the syllabus. • MEP details can be added. • Some portion of project planning should be added from NICMAR. 	
Name of company	Oriental Consulting India	
Address of company	JNPT Navi Mumbai -Uran site	
Name of contact person	Er. Prajit Nagrale	
Date of visit	21/11/2018	
Name of faculties visited company	1.Prof. N.H.Pitale 2.Prof. N.J.Sahare 3.Prof. P.Moharana	

		
Modified Equipment used for construction of stone columns	Implementation of Ground improvement	Interaction at site
Details of visit	<ul style="list-style-type: none"> • Ground Improvement of soft marine clays was being done which would be used for railway track.(6 KM) • The method adopted for ground improvement was stone columns of 11m deep, 900mm dia and 2.4m c/c spacing with triangular pattern. • A detail discussion was done about the works going on between the supervisors, engineers and our faculties. • They have used Casagrande's pile driver for installation of stone columns. • This modified equipment is used for first time in India which is a patent of New Zealand. 	
Suggestions given by company regarding Curriculum	<ul style="list-style-type: none"> • Students should be taught about various (almost all, including the latest technologies) ground improvement techniques. • An introduction about various methods needs to be given and an idea of which method should be used at which site condition. • Students should also visit site in order to have an idea and knowledge about various modern equipments used and how it works. In addition to it they will also be able to know about practical problems and how to overcome such problems. For eg.- more percentage of fines may clog some instruments while functioning, hence proper precautions need to be taken. 	

Name of company	Structwel Designers And Consultants Pvt. Ltd. Mumbai
Address of company	Plot no. 15, Sector 24, Off Sion Panvel Highway, Turbhe Navi Mumbai, 400705, MH. India
Name of contact person	Er. Chetan Raikar and Er. Swati Kumta
Date of visit	21/11/2018
Name of faculties visited company	<ol style="list-style-type: none"> 1. Dr. P.Y. Pawade 2. Prof. K.R. Dabhekar 3. Prof. S.S. Sanghai 4. Prof. S.G. Jadhav 5. Prof. M.S. Ghawde 6. Prof. P.V. Gadekar



Group Photo



Material testing Lab



Cement Lab

<p>Details of visit</p>	<ul style="list-style-type: none"> ➤ Their consultant agencies are at Dubai, Bangalore, Mumbai and new branch is being launched at Nagpur. The different labs visited are shown in the photographs above and the demonstration of working of equipment in their lab was given. ➤ Non-destructive techniques and equipment were explained and thermography was the latest one which can tell about the pattern of heat flow. Ultrasonic Pulse Velocity (UPV) test was performed on a standard sample and then it was calibrated accordingly (25.4 micro seconds) after which cube of size 250 mm x 250 mm was tested. IS 13311 part 1 is referred for UPV test ➤ Rebound hammer test should always be performed on the naked concrete only. ➤ IS 1048 part 5 can be used for water permeability test and ASTM 1202 for durability of concrete. ➤ Various chemical tests on cement and other material was done in chemical lab. ➤ For testing of any sample, 1g of sample is taken and it is dissolved to form a 250 ml solution and then it is tested. ➤ Half-cell potentiometer was fabricated in-house. It is used to detect the corrosion activity in the material. ➤ Endoscopy was also shown which is also used to see corrosion of material.
<p>Suggestions given by company</p>	<ul style="list-style-type: none"> ➤ Study of new equipment can be added in the syllabus. ➤ Rebound hammer result is not enough to judge the properties of concrete i.e. more tests should be performed. ➤ Add the bar bending-rebending experiment in practical.

Report on Industry Institute Interaction at Pune

In order to enhance the interaction between institute and Industry, we visited the fast growing and productive companies, industries and educational organizations at Pune on dated 19/11/2018 to 21/11/2018. 10 faculty members from Civil Engineering Department, GHRCE have accompanied during visit. Details are as below:

List of faculties:

1. Dr. B. V. Khode
2. Prof. P. B. Patil
3. Prof. M. P. Bhorkar
4. Prof. S. S. Solanke
5. Prof. A. A. Gulghane
6. Prof. A. A. Manchalwar
7. Prof. S. S. Harne
8. Prof. A. A. Naitam
9. Prof. B. D. Punde
10. Prof. A. Sharma

Day 1: 19-11-2018 (Monday)
SHAPOORJI PALLONJI SP INFOCITY INCUBATOR NO. 4, PUNE SASWAD RD, FURSUNGI, MAHARASHTRA 412308, PHONE: 020 6672 5000,
Er. Pawan Rai Regional Quality Head (Pune) Mob. No. 9130000308, 2066725297 Email: pawan.rai@shapoorji.com
Discussion: Topics suggested to be incorporated in syllabus: <ol style="list-style-type: none">1. Mechanical, Electrical, Plumbing (MEP), Services Training.2. Safety Designing3. Form work & False Work Designing.4. Building Information & Modeling (BIM)5. AutoCAD – 3D6. Internship:<ol style="list-style-type: none">a. 02 Groups (8-10 Students) can be entertained for Pune & Mumbai Sites.b. Detailed Mail as per college policy regarding inviting experts & MoU.c. Can entertain good students for internship.d. Students can be absorbed through internship on the basis of performance and vacancies available.



Day 1: 19-11-2018 (Monday)	
STUP Consultants Pvt. Ltd., OZ Plaza, Viman Nagar, Pune.	
Mr. M. K. Gangil, Joint Vice President Mob. No. 9822641962 Email: manoj.gangil@stupmail.com	Deepak Jotawar Principal Manager Mob. No.9881095636 Email: Deepak.jotawar@stupmail.com
Discussion: Topics suggested to be incorporated in syllabus: <ol style="list-style-type: none"> 1. Main criteria for alignment of road 2. Future prospect of any project 3. Geotech Explorations 4. Geometry 5. Map study 6. Topographic survey- Drone Technology, LEDAR, DGPS 7. Road Design software- <ol style="list-style-type: none"> a. Civil 3d, MX Road (Open source design project/ concept), Simulation software, Mapping software 8. Investigation & studies- <ol style="list-style-type: none"> a. Use of pneumatic tubes b. Diversion analysis c. Feedback from drivers about safety d. Toll collection system e. Env. Impact assessment f. IRC Latest codes g. Ethics h. Toll, operate & transfer (TOT) 9. Internship: <ol style="list-style-type: none"> a. 2-3 students can be entertained b. Mail details to HR for internship c. Students can be absorbed through internship on the basis of performance and vacancies available a. MoU: send detailed mail to Mr. A. D. Joshi, Head office at Vashi, Mumbai (navinmumbai@stupmail.com) 	



Discussion with Er. Manoj Gangil & Er. Deepak Jotawar

Day 1: 19-11-2018 (Tuesday)

Nyati Constructions pvt. Ltd., 6th Floor, Nyati Unitree, Nagar Road, Yerwada, Pune - 411006.

Col. Ganesh Sirsikar (Retd.)

Vice President

Mob. No. 9881060058

Email: sirsikar@nyatigroup.com

Discussion:

1. Topics suggested to be incorporated in syllabus:

- a. Include Real Estate Regulatory Authority (RERA) Act and Provisions.
- b. Safety Analysis and Approach Tutorial to the Students.
- c. Students should know about the Personal Protective Equipment (PPE) used on site.
- d. Aluminum Formwork (commonly known as 'MIVAN Shuttering')
- e. Include ERP (Enterprise Resource Planning), QA (Quality Assurance), GRN (Goods Receipt Note), BIM (Building Information Modeling), WBS (Work Breakdown Structure) in syllabus

2. Guest Lecture: Col. **Ganesh Sirsikar** is ready to come for lecture but preferably on 2nd & 4th Saturday and any Sunday.

3. Internship: They provide internship based upon vacancies on site. Stipend will be provided as Rs. 6000 to 8000/-

Currently One Group (4 Students) is doing internship with Nyati Constructions:

- a. Farhan Chaudhary (B-15) 8624916194
- b. Amber Shelke (B-58) 9604771232
- c. Vishal Surve (B-32) 9561135862
- d. Vinit Dahat (B-40) 8806733330

4. Placement: They are ready for placements but students shall be able to work on site for 15 to 16 hours a day.

5. MoU: Detailed mail/ Letter to be sent to sirsikar@nyatigroup.com

6. Ongoing Projects: Symbiosis Nagpur, Chandrapur, Bangalore, Tezpur assam, Pune



Discussion with Col. Ganesh Sirsikar

Day 1: 19-11-2018 (Monday)

Studio Galli Ingegneria India Pvt. Ltd., Panama House, Viman Nagar Pune

Mr. Jitendra Wattamwar
 Manager (Estimation & Tendering)
 Mob. 9970230892
 Email: jwattamwar@sgi-india.com

Mr. Gajanan Ghule
 Deputy Manger Technical
 Mob. No.8806707277
 Email: gghule@sgi-india.com

Discussion:

Topics suggested to be incorporated in syllabus:

1. Non-revenue Water management
2. Various techniques for Leak detection
3. 24x7 water supply
4. Pressure Management
5. Condition Assessment (Condition of Existing Network)
6. Energy Audit of pumps
7. Software :
 Water GEMS, Sewer GEMS, REVIT, MS project for project management
8. Internship : Currently Two students are doing internship:
 - a. Priyanka Martand Zode(B-04)- 9767821565
 - b. Shruti Mohan Shrikhande (B-71)- 8329281376
9. Placement: Placed Student details:
 - a. Rushikesh Uphade (Alumni of 2018) – Mob=8421522681
 - b. Regarding future placements: Detailed mail to be drafted to the Management
10. MoU: Detailed mail/Letter to be sent to the Management, jwattamwar@sgi-india.com.



Discussion with Er. Jitendra Wattamwar and Er. Gajanan Ghule

Day 2: 20-11-2018 (Tuesday)

City Corporation Limited, Amanora Park City, Hadapsar ,Pune

Mr. Mukul Bhalla

DGM(Construction and Business Development)

Mob. No. 8380040726

Email: mukul.bhalla@amanora.com

Discussion:

Topics suggested to be incorporated in syllabus:

1. Structural Glazing , Aluminium Glazing , Facade Glazing
2. Water proofing and its methodology
3. Landscaping , Scope of Landscaping
4. Glazing : Pros and Cons
5. PB structures
6. Software :
 - a. Hardspace
 - b. Softspace
7. Internship:If students are well acquaint with above skill, will be allowed for internship.
8. MoU: Detailed mail to be drafted at mukul.bhalla@amanora.com



Discussion with Mr. Mukul Bhalla and Architectural Model of Amanora Project

Day 2: 20-11-2018 (Tuesday)

J Kumar Infra Projects Ltd. near Ruby Hall Clinic,Sasoon Road, SangamVadi, PUNE.

Mr. Sumit Gadge

Project Engineer

Mob-7020424601

Discussion:

Organizations deals in:

1. NHAI Projects
2. Metro Soil Investigation
3. **Internship:** If students are well acquainting with above knowledge, they will be allowed for internship.

Currently Two students are doing internship:

 - a. Bhavana Singh (B-80) 7972324258
 - b. Neha Wazarkar (B-83) 9370837731
4. **MoU:** Detailed mail to be drafted at usha.rai@jkumar.com



Day 2: 20-11-2018 (Tuesday)

MITCON Consultancy and Engineering Services Ltd., Shivaji Nagar, Pune 411005

Mr. Shailesh Borwankar
Asst. Vice President-HR (Construction & Business Development)
Mob. No. 9860844666
Email: hrd@mitconindia.com

Mr. Prasad Pawar
Director, MITCON
Mob. No. 9822059872
Emailid.: prasadp.mitcon@gmail.com

Discussion:

Topics suggested to be incorporated in syllabus:

1. Advanced Structural Design(Steel Structures)
2. Corrosion Mitigation
3. Steel Joints
4. **Internship:** If students are well acquaint with above knowledge, they will be allowed for internship.
5. **Placements:** If students are well acquaint with above knowledge, they will be allowed for Placements.
6. **MoU:** Detailed mail to be drafted at hrd@mitconindia.com



Discussion with Mr. Shailesh Borwankar, Asst. Vice President-HR.

Day 2: 20-11-2018 (Tuesday)

G-Source Technologies, Kalyani Nagar, Viman Nagar Pune.

Mr. Monojit Dutta Gupta,
Executive Director
Mob. No. 9975521077
Email: monojit.dutta@gsourcedata.com

PawanMulik
Operation Manager
Mob. No.9595614595
Email: info@gsourcedata.com

Discussion:

1. Topics suggested to be incorporated in syllabus:
 - a. 2D & 3D planning- image sourcing (Surveying)
2. Investigation & studies-
 - a. Drafting

3. Internship:

- a. Ready to provide internship on certain conditions like no leaves, basics should be clear
- b. Stipend shall be 5,000/- during internship

4. Placements:

- a. Student shall be wise,
 - b. needy,
 - c. basics shall be clear,
 - d. team management,
 - e. salary- 12,500/- (Take home for fresher's)
 - f. 1 year contract (They face many problems when fresher leaves the company after internship)
5. Expert lecture in conference & workshop:
- a. They are ready to send their managers of different departments.
6. Alumni Working:
- a. Tejaswini Borkar 2015 (Civil)
 - b. Bulbul Rahangdale 2015 (Civil)
7. **MoU:** Send detailed mail to Mr. Monojit Dutta Gupta (monojit.dutta@gsourcedata.com)