

**Report on Add on / Certificate Programs Other than online courses: Civil
Engineering Department**

2015-16

Name of the Program	List of Students enrolled	Duration	Assessment Procedures	Summary Report of each Program with their outcome
Staad Pro Training	Batch 2012-16	10 days	On the basis of error free files through software	Students learned about commands and design concepts of staad pro and able to do run analysis and design result of RCC structures
Winter Survey Camp (Triangulation, Contouring, Profile & Cross-sectional Leveling Estimation & Valuation, Total Station, Column Layout, Plane Table Survey)	Batch 2012-16	10 Days	Report writing and viva with presentation	Students learned the application of Surveying instrument in Levelling and Triangulation techniques. Hands on practice on auto level, theodolite, total station.
Site Visit at Chirva Tunnel	Batch 2013-17 (7th Sem)	1 Day	Viva	Students Learned the structure of the tunnel and retaining structure around the tunnel

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**Report on Add on / Certificate Programs Other than online courses: Civil
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2016-17

Name of the Program	List of Students enrolled	Duration	Assessment Procedures	Summary Report of each Program with their outcome
Winter Survey Camp (Triangulation, Contouring, Profile & Cross-sectional Leveling Estimation & Valuation, Total Station, Column Layout, Plane Table Survey)	Batch 2014 (5th Sem)	30 Days	Report writing and viva with presentation	Students learned the application of Surveying instrument in Levelling and Triangulation techniques. Hands on practice on auto level, theodolite, total station.
Site Visit at Mahi Dam: Importance of Reservoirs, Capacity, History, Control Unit, Functioning and operation under high rains etc.	Batch 2013-17 (7th Sem)	1 Day	Viva	Students Learned the working of Mahi Dam and the characteristics of Dam like catchment area, Volume of water flow etc.
MNIT Visit : Campus visit, Area of land, new block construction, Number of labs and instruments for NDT testing, etc.	Batch 2014-18 (5th sem)	1 days	Viva	Students Learned the structural & architectural concepts of MNIT Campus
Mount Abu: Educational tour, History of the place, etc.	Batch 2014-18 (4th sem)	03 Days	Viva	Students explored the city of Mount Abu
Auto Desk Certification Training	Batch 2014-2018 Batch 2015-2019	5 Days	Certificate provided by Autodesk after exam	Concepts of planning of building through auto cad, basic commands, learning of 2d and 3d views in autocad

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**Report on Add on / Certificate Programs Other than online courses: Civil
Engineering Department**

2017-18

Name of the Program	Name of the students enrolled	Duration	Assessment Procedures	Summary Report of each Program with their outcome
Winter Survey Camp (Concrete Mix, Triangulation, Contouring, Profile & Cross-sectional Levelling Estimation & Valuation, Total Station, Column Layout, Plane Table Survey)	Batch 2015 (5th Sem)	30 Days	Report writing and viva with presentation	Students learned the application of Surveying instrument in Levelling and Triangulation techniques. Hands on practice on auto level, theodolite, total station.
Summer Survey Camp (Concrete Mix, 3DS Max, Estimation, Staaad Pro, Total Station, Profile levelling, Contouring, Estimation)	Batch 2016 (6th Sem)	30 Days	Report writing and viva with presentation	Students learned the application of Surveying instrument in Levelling and Triangulation techniques. Hands on practice on auto level, theodolite, total station.
Shiva Statue : About the history, Importance of structure, Design aspects for wind and seismic conditions, special materials, form work etc.	Batch 2014-18 (5th sem)	1 Day	Presentation	Students learned the structural design of Shiva statue and also various characteristics like foundation, height, material used etc.
Site Visit at Mahi Dam: Importance of Reservoir, Capacity, History, Control Unit, Functioning and operation under high rains etc.	Batch 2014-18 (4th sem)	1 Day	Viva	Students Learned the working of Mahi Dam and the characteristics of Dam like catchment area, Volume of water flow etc.
Site Visit at Mahi Dam: Importance of Reservoir, Capacity, History, Control Unit, Functioning and operation under high rains etc.	Batch 2015-19 (6th Sem)	1 Day	Viva	Students Learned the working of Mahi Dam and the characteristics of Dam like catchment area, Volume of water flow etc.

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Site Visit at Mount zee Litera school building: Estimations , Column-footing layout plan, Information about workmanship, grade of concrete and reinforcement etc.	Batch 2015-19 (6th Sem)	1 Day	Viva	Students Learned the structural and Architectural concepts of design of Zee litera School Building
Site Visit at IIM Uaipur building: Estimations , Column-footing layout plan, Information about workmanship, grade of concrete and reinforcement etc.	Batch 2015-19 (6th Sem)	1 Day	Viva	Students Learned the structural and Architectural concepts of design IIM Udaipur campus.
NATIONAL DESIGN AND RESEARCH FORUM (INSTITUTE OF CIVIL ENGINEER, BANGLORE): Paper submitted on Low-cost bricks using marble slurry, waste plastic and sand.	Lokesh Puri Goswami, Kundan Gorana	1 Day	On the basis of Paper writing	Students Learned the effects caused by adding an external agent in concrete.
STUPRENEURS (JAIPUR): Project pitched for student entrepreneur competition.	Lokesh Puri Goswami, Kundan Gorana, Kamlesh kumar, Sachin kumar. Harshit Jharoli, Mohit	2 Month	On the basis of project performance	Students won first prize
Bentley Institute Student Design Challenge 2018 : Seismic analysis of building, Staad Pro,	Kamlesh Panchal, Dheeraj Kumawat, Divya Patidar, Kirtika Kumawat, Jishan Khan, Kunal choubisa. Kamakshi Sharma.	20 Days	On the basis of project performance	Students Designed a building according to the problem statement in Staad Pro software and learned designing and analysis of a high rise building.
Bentley Institute Student Design Challenge 2018 : Seismic analysis of building, Staad Pro,	Batch 2016-20 (4th Sem)	20 Days	On the basis of project performance	Students Designed a building according to the problem statement in Staad Pro software and learned designing and analysis of a high rise building.

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SCIENCE
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DEGREE
POST GRADUATE
DOCTORATE

Development of Rain Water Harvesting System through National Highway profiles by using GIS techniques and Field survey	Shiva Chouhan, Mohit Jain, Kamlesh Panchal, Yash Bhardwaj	30 Days	On the Paper writing Presentation	Students gather data regarding elevation points and planned an efficient rain water harvesting.
Environment Friendly Bricks and Blocks using only Waste Materials	Lokesh Puri Goswami, Kunjpreet Kaur Arora, Nikita Sharma, Gaurav Suthar, Sayed Aamir, Kunjal Jain	Yearly	On the basis of performance	Students made environment friendly bricks and blocks using waste material

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2018-19

Name of the Program	List of Students enrolled	Duration	Assessment Procedures	Summary Report of each Program with their outcome
Requirements and plannings of Badliya village for converting it into smart village category in Banswada Rajasthan	Om Prakash Prajapat, Bhuvnesh Suthar, Suresh Kumar, Mahendra Kumar	20 Days	On the basis of performance during project and paper writing	Students surveyed the area and planned a smart village at Badliya by introducing solar lights, smart primary health center etc.
Workshop on Crushed EPS in Light weight concrete	Nikita Sharma, Gaurav Suthar, Sayed Aamir Hussain	30 days	On the basis of performance and results	Students have made light weight concrete successfully and won first prize in competition in IIT Mumbai
Winter Survey Camp (Total Station, Profile levelling, Contouring, Estimation, Market Survey, Traffic Studies)	Batch 2016 (5th Sem)	30 Days	Report writing and viva with presentation	Students learned the application of Surveying instrument in Levelling and Triangulation techniques.
Shiva Statue : About the history, Importance of structure, Design aspects for wind and seismic conditions, special materials, form work etc.	Batch 2015-19 (5th Sem)	1 Day	Viva	Students learned the structural design of Shiva statue and also various characteristics like foundation, height, material used etc.
Site Visit at Kaladwas Industrial Area(Sanchi Group) : Estimations , Column-footing layout plan, Information about workmanship, grade of concrete and reinforcement etc.	Batch 2015-19 (6th Sem)	1 Day	Viva	Students learned the construction of Multistory building at SANCHI Group.
Highway project (debari-kaya byepass): Pretensioning, postensioning, piers reinforcement. launhing of I girders, Mix design etc	Batch 2015-19 (6th Sem)	1 Day	Viva	Students learned the Pre-tensioning and Post-Tensioning Process in highway girders.

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Site Visit At eklingpura (Multistorey building) : Frame work, slab - beam reinforcement, interior work informations, grade of quality, in situ testing.	Batch 2015-19 (6th Sem)	1 Day	Viva	Students learned the construction of Multistorey building at Eklingpura building.
Site Visit at Kaladwas Industrial Area(Sanchi Group) : Estimations , Column-footing layout plan, Information about workmanship, grade of concrete and reinforcement etc.	Batch 2016-20 (4th Sem)	1 Day	Viva	Students learned the building technology concepts by understanding the structural working process at the site.
Shiva Statue : About the history, Importance of structure, Design aspects for wind and seismic conditions, special materials, form work etc.	Batch 2016-20 (6th Sem)	1 Day	Viva	Students learned the structural design of Shiva statue and also various characteristics like foundation, height, material used etc.
Site Visit at Mahi Dam: Importance of Reservoir, Capacity, History, Control Unit, Functioning and operation under high rains etc.	Batch 2016-20 (4th Sem)	1 Day	Viva	Students Learned the working of Mahi Dam and the characteristics of Dam like catchment area, Volume of water flow etc.
Site Visit at Kaladwas Industrial Area(Sanchi Group) : Estimations , Column-footing layout plan, Information about workmanship, grade of concrete and reinforcement etc.	Batch 2017-21 (5 th Sem)	1 Day	Viva	Students learned the construction of Multistorey building at SANCHI Group.
Shiva Statue : About the history, Importance of structure, Design aspects for wind and seismic conditions, special materials, form work etc.	Batch 2017-21 (5 th Sem)	1 Day	Viva	Students learned the structural design of Shiva statue and also various characteristics like foundation, height, material used etc.

Site Visit At Eklingpura (Multistorey building) : Frame work, slab - beam reinforcement, interior work informations, grade of quality, in situ testing.	Batch 2017-21 (4 th Sem)	1 Day	Viva	Students learned the construction of Multistory building at Eklingpura building.
Shiva Statue : About the history, Importance of structure, Design aspects for wind and seismic conditions, special materials, form work etc.	Batch 2018-22 (4 th sem)	1 Day	Viva	Students learned the structural design of Shiva statue and also various characteristics like foundation, height, material used etc.
Site Visit at Kaladwas Industrial Area(Sanchi Group) : Estimations , Column-footing layout plan, Information about workmanship, grade of concrete and reinforcement etc.	Batch 2018-22 (4 th sem)	1 Day	Viva	Students learned the building technology concepts by understanding the structural working process at the site.
SMART CITY PROJECT (UDAIPUR) : Ayad river surveying, rejuvenation and redevelopment plan prepared.	Lokesh Puri Goswami, Kundan Gorana, Kamlesh kumar, Sachin kumar. Harshit Jharoli, Mohit	7 Days	On the basis of performance in project and planning and drawing	Students collected elevation data and proposed a plan for rejuvenation of Ayad river (Udaipur).
INTERNATIONAL CIVIL ENGINEERING SYMPOSIUM (IIT BOMBAY) : Research paper presented on Low cost bricks using marble slurry, waste plastic and sand, won first prize.	Lokesh Puri Goswami, Harshit Jharoli.	2 Month	On the basis of research paper	Research paper presented on Low cost bricks using marble slurry, waste plastic and sand, won first prize.
SMART INDIA HACKATHON - HARDWARE 2018 (MHRD) : Participated in 5 days grand finale at NIT Tiruchirapalli, Prototype developed and demonstrated. Won first prize and received grant for idea implementation.	Kunjal Jain, kunjpreet kour, Lokesh Puri, Gaura Suthar Syad Amir. Dharmendra.	Yearly	On the basis of performance in project and result	Participated in 5 days grand finale at NIT Tiruchirapalli, Prototype developed and demonstrated. Won first prize and received grant for idea implementation.

Bentley Institute Student Design Challenge 2019: Seismic analysis of building, Staad Pro,	Kamakshi Sharma, Syad Amir, Nikita Sharma	20 Days	On the basis of project performance	Students Designed a building according to the problem statement in Staad Pro software and learned designing and analysis of a high rise building.
IPRENEUR19 (TATA INSTITUTE OF SOCIAL SCIENCE, MUMBAI): Idea Pitched at Ipreneur competition and won 2nd prize.	Kunjpreet kour, Lokesh Puri	Yearly	Not required	
Bentley Institute Student Design Challenge 2019 : Seismic analysis of building, Staad Pro,	Batch 2017-21 and 2018-22	20 Days	On the basis of project performance	Students Designed a building according to the problem statement in Staad Pro software and learned designing and analysis of a high rise building.

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**Report on Add on / Certificate Programs Other than online courses: Civil
Engineering Department**

2019-20

Name of the Program	List of Students enrolled	Duration	Assessment Procedures	Summary Report of each Program with their outcome
Requirements of Solid Waste Management System in Savina Vegetable Market at Smart City Udaipur in Rajasthan	Kunjal Jain, Parveen Choudhary, Kishan Dangi, Kirthesh Kalal	7 Days	On the basis of performance in project, report writing and presentation at Vyapari Mandal Sangh of Savina Market	Students gathered data regarding waste generation and their characterization and proposed a requirement of cleaning system.
Winter Survey Camp (Estimation, Total Station, Profile levelling, Contouring, Estimation)	Batch 2017 (5th Sem)	30 Days	Report writing, viva, presentation	Students learned the application of Surveying instrument in Levelling and Triangulation techniques.
Site Visit at residential building projet, AKME Paradise: Frame work, slab - beam reinforcement, interior work information, grade of quality, in situ testing.	Batch 2017-21 (5 th Sem)	1 Day	Viva	Students learned the structural and architectural concepts of multistory building at AKME Paradise
LAUNCH & ZOOM 2.0 (IIM UDAIPUR): Currently project incubated for business development.	Kunjpreet kour, Lokesh Puri	3 year	Not required	Currently project of environmentally friendly bricks incubated for business development.
AAKAR 2020 (IIT BOMBAY): Porous concrete developed and sample prepared for research work.	Batch 2018-22 and Batch 2019-23	30 days	On the performance in project	Student researched on Porous concrete manufacturing process and implemented it in the competition by making a porous.