



VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

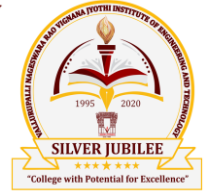
📍 Vignana Jyothi Nagar, Pragathi Nagar, Nizampet (S.O.), Hyderabad TS 500 090 India

AICTE Approved; UGC Autonomous; JNTUH Affiliated; UGC "College with Potential for Excellence"; NAAC "A++" Grade

ISO 9001:2015 Certified; QS I.GAUGE "Diamond" Rated; NIRF 2020: 127th Rank Engineering (151–200 Band Overall)

NBA Accredited: CE, CSE, ECE, EEE, EIE, IT, ME; JNTUH-Recognised Research Centres: CE, CSE, ECE, EEE, ME

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Department of Civil Engineering B. Tech. VI Semester CE- I (A.Y 2020-21) Industry Oriented Mini Project Batches

Batch No.	Student Name	Roll No	Internship project title
1	AILLA VISHNUROOPAK	18071A0101	Development of ANDROID APP for quantity estimation of RC Columns
	AKURAJU VAMSI KRISHNA	18071A0102	
	ARUGOLLU SHIRISHA	18071A0103	
	ANNARAPU SHIRISHA	19075A0101	
2	B L V V D S S ABHINAV	18071A0104	Indoor Air Quality Monitoring
	BADDAM PUNEETH REDDY	18071A0105	
	BALAMURI THARUN TEJA	18071A0106	
	K. RISHAB CHANDRA	17071A0132	
	BAMMIDI SRI KAVYA	19075A0102	
3	BANOTHU POOJITHA RUPAVATH	18071A0107	Review on important geological considerations in foundations of dams, reservoirs, and tunnels.
	BOKKA NAVEEN REDDY	18071A0108	
	BURLA JAYACHANDRA	18071A0109	
	ESLAVATH NARESH	19075A0103	
4	CHANDIRI SRIKAR REDDY	18071A0110	Development of Flood Inundation Maps in Urban Areas using RS & GIS
	CHELUKA VINISHA	18071A0111	
	CHINTHA GEETHA HARSHITHA	18071A0112	
	GADILA SRINATH REDDY	19075A0104	
5	CIRIPURAM ANVESH KUMAR	18071A0113	Parking system management using IoT
	DEVARINITI AISHWARYA	18071A0114	
	DHANIYAL SHAAZ MOIN SHA	18071A0116	
	MACHA SAI KRISHNA	19075A0105	
6	DHODDAPANENI UMESH	18071A0117	Development of



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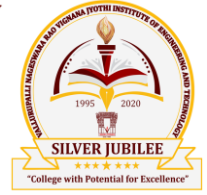
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	GADDAM CHAITANYA	18071A0118	point pollution sources map in an industrial area
	GADE YESHWANTH REDDY	18071A0119	
	SONNAILA KEERTHANA	19075A0106	
7	GOPU SAI SATHWIK REDDY	18071A0120	Estimation of roughness of road using smart phones
	GOVINDARAM RAGHURAM CHARY	18071A0121	
	GOWTHAM KORANASI	18071A0122	
	GUGULOTH SUNIL	18071A0123	
8	GUMMADI LAKSHMI DEEPIKA	18071A0124	Durability of polymer composites
	J SRINATH	18071A0125	
	KADIYAM YAMINI DEVI	18071A0126	
	KAMINI SANTHOSH KUMAR	18071A0127	
9	KANDHAKULA DEEPIKA	18071A0128	Behaviour of microbes in different clay minerals
	KANNEKANTI MANIKANTACHARY	18071A0129	
	KANUMARLA RAHUL REDDY	18071A0130	
	KONATHAM MEENA SRI	18071A0131	
10	M SATISH KUMAR	18071A0132	Seismic analysis of a multi storeyed building using Staad Pro.
	MALLAVALLI VENKATA ANEESHA JAYARAM	18071A0133	
	MARAPATLA LIBNI	18071A0134	
	MERUGU NAVEEN	18071A0135	
11	MOHAMMED WASEEM AHMED	18071A0136	AI and IOT applications in Geotechnical Engineering
	MUDAVATH SHIVANAYAK	18071A0137	
	MUNUGA BHUMIKA	18071A0138	
	MUPPASANI SRIKAR	18071A0139	
	YASA HARSHAVARDHAN REDDY	18071A0160	
12	MURALI KRISHNA KOGANTI	18071A0140	An overview on M.L in constructions
	NOMULA SOUMYA	18071A0141	



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	PAVAN MALAPATI	18071A0142	
	PEDDOLA SHIVA KRISHNA REDDY	18071A0143	
13	PRODDUTURI BHAVANA	18071A0144	Review on the effect of treatment of recycled aggregates on the properties of concrete
	PUTTA PRAVEEN	18071A0145	
	RAMAGIRI SAHITHI	18071A0146	
	RATHOD GIRI RAJ	18071A0147	
14	ROUTHU SATYA SAMEER NAIDU	18071A0148	Improve the performance of the weak subgrade for Rural roads using industrial waste
	SANAKA HARSHA NANDA	18071A0149	
	SHAIK HUJJUR RAHAMAN	18071A0150	
	SHREYA GOWDA	18071A0151	
15	SURA SATISH REDDY	18071A0152	Study of narrow backfill behind retaining walls
	T MASTHANI SAI SHARANYA	18071A0153	
	THIPPARAPU VIJAY	18071A0154	
	VADLA SAI PRACHOTH	18071A0155	
16	VELUVOLU YESHWANTH	18071A0156	Fibre optic sensors for monitoring property development in hydrating concrete
	VEMPATI PNSV RAMA KRISHNA	18071A0157	
	VENKATA SAI RAGHAVENDRA REDDY S	18071A0158	
	VIGNAN REDDY SINGIREDDY	18071A0159	

**Dr. A. Mallika
Prof. & Head-CED.**



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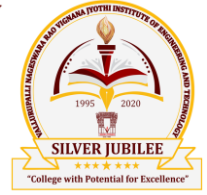
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Batch No.	Student Roll No.	Student Name	Internship Project Title
1	14071A0178	Goli Nagaraju	A Study on Mechanical Characteristics of LC ³ Concrete
	17071A0173	Agarwal Devansh	
	18071A0161	Adari Sai Soma Kiran	
	18071A01B8	Varaka Vineela	
	19075A0107	Banavath Sushma	
2	18071A0162	Basani Sai Kumar	Influence of advanced engineering nanomaterials and the properties of high strength SCM
	18071A0183	Karukuri Sindhuja	
	18071A0164	Bere Varun	
	18071A01B9	Velma Sumana Sree	
	19075A0108	Jangiti Rakesh	
3	18071A0165	Burra Rakesh Kumar	Assessment of U-Turn radius of curvature for vehicles
	18071A0166	Chittipala Sai Kiran	
	18071A0167	Choudarapu Sree Lekha	
	18071A01C0	Yasa Manikanta	
	19075A0109	Kampelli Aravind	
4	18071A0168	Dhruva Varma Byrraju	Design of Segmental Reinforced Retaining Wall
	18071A0169	G Sandeep	
	18071A0170	Gadadasu Manoj Kumar	
	19075A0110	Karmankar Sachin	
5	18071A0171	Gaddameedi Sowmyasri	Analysis of Land slides
	18071A0172	Gogu Shiva Kumar	
	18071A0173	G Sai Sampath	
	19075A0111	Mandava Rohith Kumar	
6	18071A0174	Gundepogu Pravalika	Road Network Connectivity Analysis Using Arc GIS
	18071A0175	Gunturu Praneetha	
	18071A0176	Jillapalli Vinay Kumar	
	19075A0112	Mohammed Zakir Hussain	



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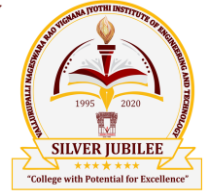
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7	18071A0177	K Mukesh	Evaluation of Strength Characteristics of Fine-Grained Materials (An Analytical Approach)
	18071A0181	Kandagatla Roshan	
	18071A0179	Kalluri Priyanka	
	18071A0180	K Chandana	
8	18071A0178	KAvinash Varma	Crop watering predictions using moisture sensors
	18071A0187	Kaushik Sivaramakrishna Chundury	
	18071A0463	Ananthula Spandan	
	18071A0163	B Ritish Reddy	
9	18071A0185	Kasam Manicharan	Studies of Depression Coefficient & Spread of Contaminant in Porous Medium
	18071A0186	Kasturi Akash	
	18071A0182	Karne Reshmitha	
	18071A0188	Kavali Sriharsha	
10	18071A0189	K Satya Krishna	Rooftop rainwater harvesting - Gaps in implementation
	18071A0191	M Sri Surya Ram Charan	
	18071A0192	Maganti Hrudayesh	
	18071A0193	M Sri Chaitanya	
11	18071A0194	M Vishnu Vardhan	Numerical Study on Case Studies of desiccation effect on Bearing Capacity of Footing
	18071A0195	Mohammed Adnan Ameen	
	18071A0196	Muddasani Shiva Kumar	
	18071A0197	M Hemasree	
	18071A0184	K Chinmayi	
12	18071A0198	N Vamshidhar	Seismic analysis of Elevated Water Tank using Staad Pro.
	18071A0199	Netha Shashank	
	18071A01A0	Panuganti Sanjay	
	18071A01A1	Perala Vinay Sai Rama Rao	
13	18071A01A2	P Anuroop	Development of natural



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	18071A01A3	Purna Chand S	biochar for the recovery of heavy metals from a synthetic effluent.
	18071A01A4	Racha Udayteja	
	18071A01A5	Rapelli Chaitanya	
14	18071A01A6	S Keerthi	Improve the performance of Rural roads using industrial waste
	18071A01A7	Sena Akshara	
	18071A01A8	Shaik Feroz	
	18071A01A9	Shashank Chilivery	
15	18071A01B0	Sircilla Abhinav	Structural Health Monitoring using Non-Destructive Techniques.
	18071A01B1	Sri Hari	
	18071A01B2	S Yuvaraj	
	18071A01B3	S Avinash Reddy	
16	18071A01B4	Syed Noureen	Analysis and design of offshore Structures
	18071A01B5	V Sujith Kumar	
	18071A01B6	V Krishna Priya	
	18071A01B7	Vamshi Krishna K	

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Department of Civil Engineering

B. Tech. VI Semester CE- II (A.Y 2019-20)

Industry Oriented Mini Project Batches

During Pandemic, 2019-2020 academic year department of Civil Engineering (VNRVJiet) offered industrial oriented mini projects from the several colleges. The following are the outside colleges are participated in IOMP Projects through online. The list of college students are Anurag University, Sreenidhi Institute of Science and technology, JNTUH- Sulthanpur, MIST-Sathupally, St. marry and SRMIST etc. The few of the outcome of the projects from the IOMP are selected for the publication in peer reeved journals.

S. No.	Name of the Student	H. T. No.	Title of Internship Projects
1	Akumalla Mathin	17071A0161	Study on alternative natural sand from sustainable materials.
	Thurpati Sai Kiran	17071A01B3	
2	Arekapudi Sri Saiesh	17071A0162	Estimation of Pedestrian Safety at Signalized Intersections
	Cherukuri Shivanjana	17071A0169	
	Dandu Rishita	17071A0175	
	Itharaju Pavan Kalyan	17071A0182	
	Itharaju Pavan Kalyan	17071A0182	
	Valloju Sai Ram	18075A0123	
3	Athota Sai Neha	17071A0163	Remote sensing in waste water management
	Jangalla Yeshwanth Kumar	17071A0183	
	M Akhila	17071A0190	
4	Bachu Abhilash	17071A0164	sustainable materials for low cost houses
	Mengani Nikhil	17071A0196	
	Munagala Devnath	17071A01A1	
5	Bommareddy Pavan Kumar	17071A0165	Design of RC slabs using MATLAB



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	Chidurala Sowmyareddy	17071A0170	Design of RC slabs using MATLAB
	Thangella Mani Kumar Reddy	17071A01B2	
	Miryala Rajesh	17071A0198	Design of RC slabs using MATLAB
6	Challa Poojitha	17071A0167	Influence of Nano Materials on Performance of High strength self compacting concrete
7	Bakka Pavan Kumar	17071A0109	Design of RC Columns using MATLAB
8	Chelkala Shravya Sri	17071A0168	Estimating correlation between rheological and mechanical properties of modified asphalt concrete mixtures containing nano material
	Kambhampati Satyaprasad	18075A0118	
	Sambaram Pavan	18075A0120	
9	Chikkudu Akanksha	17071A0171	Mapping snow cover using remote sensing
	Shaik Salma	17071A01B1	
10	D Sahith Yadav	17071A0174	Industrial Waste in geotechnical applications
	G Nitheesh Koushik	17071A0176	
	Gadhamshetty Sharath Chandra	17071A0178	
	Golamari Krishna Chaitanya Reddy	17071A0179	
11	Gujjari Hrithik	17071A0180	Applying Machine Learning Techniques in Traffic Engineering.
12	Gaddam Pranavnath	17071A0177	Subsurface investigation tools for smart cities
	Vannada Vinay Krishna	17071A01B5	
13	Gurindapalli Blessy Sravya	17071A0181	Prediction of compressive strength of geopolymers using Artificial Intelligence Technique.
	Jindham Nikhitha	17071A0184	
	Y Venkata Krishna Chowdary	17071A01B8	
14	Kalva Nithish Kumar	17071A0185	Utilisation of tyre waste as filter media - Development of prototype
15	Khetavath Sai Abhiram	17071A0186	Industrial Waste in geotechnical applications
	Modam Sai Krishna	17071A0199	



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	Pathri Uday Kiran	17071A01A6	
16	Kota L N S Madhuri	17071A0188	A study on the role of stone columns in soil stabilization
	Paila Monalisa	17071A01A5	
	Shivvala Vivek	18075A0122	
17	Lingala Abhyuday	17071A0189	Web GIS and its Application
18	Gunti Markandeya	17071A0127	
19	M Siri	17071A0192	replacement of aggregate in concrete with e-waste
	Mohammed Sharfuddinbaba	17071A01A0	
	Nagamalla Surya Teja	17071A01A2	
20	Mahajan Manisai Babu	17071A0193	foundation for high rise buildings
	Miduthuri Ashish	17071A0197	
	Chakali Naveen Kumar	17071A0166	
21	Mallepula Srujan Goud	17071A0194	Evaluation of Crossing behaviour of pedestrians at intersections
	Mante Vikas	17071A0195	
22	Naragani Girish Kumar	17071A01A3	Flood Mapping in Machilipatnam using QGIS
	Nerella Nihanth Kumar	17071A01A4	
	Kongara Sreejasri	18075A0119	
23	Pindugu Shylaja	17071A01A7	An overview of health and environmental impacts of improper management of E-waste.
	Yakala Suhas Kumar	17071A01B9	
	Rayipudi Geyapriya	17071A01A9	
24	Racha Pavan Kalyan	17071A01A8	Consolidaton Parameters for the design of PVD for ground improvement
25	Sankari Balaji	17071A01B0	A study on the properties of Terinary blended cement concrete
26	Uppuchinthala Latha Sri	17071A01B4	Modelling and design of Elevation, MEP services of multistroyed building using Revit
27	Vemula Neehar Tejaswi	17071A01B6	Modelling and design of Elevation, MEP services of multistroyed building using Revit
28	Vishnu Chaitanya Koya	17071A01B7	Compative study on police,



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			framework and Regulation of E-waste at National and International scenario
29	Bhukya Vinodkumar	18075A0113	Design and optimisation of tubular Pratt truss for a steel industrial building
30	Gopu Mahitha	18075A0114	Seepage Analysis of Sheet Pile using MATLAB
	Jumbarath Soma Shivani	18075A0116	
	Satti Meghana	18075A0121	
	Malyala Shirisha	18075A0106	
	A Chandra Sai	18075A0101	
31	Chilupuri Tejaswini	18075A0102	Design of reinforced concrete beams using MATLAB
	Mohammed Ayaz Naick	17071A0146	Design of reinforced concrete beams using MATLAB
32	Jarupula Akhil	18075A0115	Optimum design of steel built-up compression members using hot rolled sections
33	Kamatam Shirisha	18075A0117	Feasibility of bioremediation technique towards plastic degradation in soil - a broad recapitulation
34	Varikilla Harish	18075A0124	Comparative study on hot rolled and cold formed steel sections as built-up compression members
35	Ishtiyah Ayoub Kumar	18075A0125	A review on contaminant transport studies
36	Owaise Nabi	18075A0126	A comparative study on Policies, framework, and regulations of E-waste at National and International scenario.



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1	J. Akhila	15075A0107	Optimum design of steel built-up compression members using hot rolled sections
	Achuri Vaishnavi	17071A0101	
2	Pannala Vamshi Krishna Reddy	17071A0102	Nanotechnology Applications in Geotechnical Engineering
	Kunchem Sai Teja	17071A0157	
	Pikkili Dinesh Naidu	17071A0158	
3	Maroju Venkatesh	17071A0103	Applying soft computing techniques for predicting pedestrians risk
	Anumula Tharun Rao	17071A0104	
4	Audurti Avan	17071A0105	Remote sensing in water shed
	Bathini Suchitra	17071A0111	
	Sandagiri Abhinav Reddy	17071A0141	
	Nomula Eshwar	17071A0124	
5	Avadhutha Bhavana	17071A0106	Soft Computing Techniques like Artificial Neural Network and Support Vector Machines in Vehicular Crash Analysis.
6	Avula Shashikumar	17071A0107	Pedastrian behaviour at intersections
7	Bachina Sai Kumar	17071A0108	Design and modelling of geo-encased stone columns



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8	Banda Abhinava Sai	17071A0110	Remote Sensing In Water Pollution Monitoring
	Busireddy Prakhya Reddy	17071A0115	
	Kanneganti Sahithi	17071A0131	
9	Benerjee Duggineni	17071A0112	A comprehensive review on various methods of recycling waste electrical and electronic equipment (WEEE).
10	Bhukya Sushma	17071A0113	Remote Sensing In Water Pollution Monitoring
11	Boda Manju Sree	17071A0114	Numerical modelling of PVD for ground improvement
	Daravath Navya	17071A0119	
	Dasyapu Soumya	17071A0120	
12	Chinuri Koushik	17071A0116	A review on contaminant transport studies
	Kommula Sritesh	17071A0117	
	Puvvada Hari	17071A0135	
13	D Bharath Kumar	17071A0118	Design and modelling of geo-encased stone columns
14	Dirisipo Chandu	17071A0121	Ground improvemnet using PVD
15	Edunoori Lenin	17071A0122	Settlement of soil - An overview
	Nunnenti Divya Sree	17071A0147	
	Indarapu Bhavani	18075A0104	
	Janagam Meghana	18075A0105	



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16	G. Chaitanya Krishna	17071A0123	Application of geosynthetic to enhance the weak subgrade for rural roads
17	Kannoju Sharan	17071A0125	Subsurface investigation tools for smart cities
	Shaik Hasvik Sai	17071A0145	
18	Nanneboina Mahesh	17071A0126	A Review On Stress Strain Behaviour Reinforced Nano Geopolymer Concrete At Ambient Conditions
19	M Manasa	17071A0191	A study on manufacturing and applications of 3D concrete
20	Jambula Dileep	17071A0128	A comparative study on Policies, framework and regulations of E-waste at National and International scenario.
	K Rakesh Babu	17071A0129	
	Sirangi Vamshinder	17071A0148	
	T Gopichand	17071A0151	
21	K Syed Eswar	17071A0130	Simulation of delay to vehicles at signalized intersections
22	Pillanagrovi Neha	17071A0133	Characterization of soils by XRD Analysis
23	Kudravalli Sai Surender Prasad	17071A0134	Rheological Modelling of Bitumen
	Sanagapalli V K S Ruchira Devi	17071A0140	
24	Rambatri Sai Krishna	17071A0136	Design of Geocell Reinforced Foundation Bed
25	Mekala Sai Charan	17071A0138	Sustainable material for low cost houses
26	Sabbineni Anuja Sree	17071A0139	Feasibility of bioremediation technique towards plastic degradation in soil - a broad recapitulation
27	Sandepeta Harika	17071A0142	Subsurface geotechnical investigation
28	Nalamati Tarun	17071A0143	Reinforced earth concrete structures
	Nalagama Ajaykumar	17071A0154	



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	Katla Koushik	17071A0144	
29	Soma Pranathi	17071A0149	Electrical Characterization of Materials: Characterization of materials based on Impedance Spectroscopy
30	Keri Abhishek	17071A0150	Geotechnical investigation report for a city
	O Vineeth Vernon	17071A0160	
31	Talari Raja Sree	17071A0152	Prediction of concrete mix proportions using Excel application
	G Bhavani	18075A0103	
32	Maleboina Meghana	17071A0153	Settlement of soil - An overview
33	Ujwal	17071A0156	Construction of multi-storey building
34	Pasupuleti Nikhil Kumar	17071A0159	Subsurface geotechnical investigation
35	Mohammed Althaf	18075A0107	Study on strength characteristics of sand
36	Mudavath Meghanath	18075A0108	Modeling of foundations on reinforced soil
	Yadla Naveen Kumar	18075A0112	
37	Poloju Ramakrishna	18075A0109	Study on strength characterstics of sand
	Sabbani Sairaj	18075A0110	
	Shamnagari Anil	18075A0111	

Dr. A. Mallika
Prof. & Head-CED.



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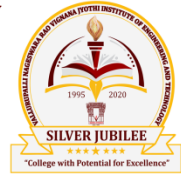
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The list of college students are Anurag University, Sreenidhi Institute of Science and technology, JNTUH- Sulthanpur, MIST-Sathupally, St. marry and SRMIST etc. among them few of the active participated candidate are appreciated with certificate. The below Table represented the list of the students from the different institute in the academic year of 2019-2020.

SI No	Name of the student	Name of the College	Name of the Guide
1	Mothe bhavani	Anurag University	Dr.C. Naveen Kumar
2	V. Sai Manoj	Sri Vasavi institute of Engineering and Technology, Machilipatnam, Nandamuri	Dr.S.Sasanka Mouli
3	Dodda.Mounika	Mother Teresa Institute of Science and Technology,Sathupally	Mrs.P. Arthi Sudam
4	Vallapu Manjunatha	Sreenidhi Institute of Science and Technology	Dr.A. Mallika
5	G Narayana Reddy	Sreenidhi Institute of Science and Technology	Dr.A. Mallika
6	Geebu Harishwar Naidu	Sreenidhi Institute of Science and Technology	Dr.A. Mallika
7	Sree Rama Karthik Upadhyayula	SRM Institute Of Science And Technology	Dr.B D V Chandra Mohan Rao
8	Thikkala Chaitanya	Jntuh college of engineering sultanpur	Mrs.A. Jyothirmai
9	Kusangi Chandana	Sreenidhi Institute of Science and Technology	K. Veerendra Gopi
10	J Chandana	Jntuh college of engineering sultanpur	K. Veerendra Gopi
11	Jupalli srilaxmi	Mother Teresa Institute of Science and Technology	Dr.D.Harinder
12	Kinnera.Sravani	Mother Teresa Institute of Science and Technology	Dr.D.Harinder



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Review Paper on E-Waste in Concrete as A Replacement of Fine and Coarse Aggregate

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^{1,2,3,4,5} Dept. of Civil Engineering, VNR Vignana Jyothi Institute of Engineering & Technology, Telangana, India
⁶Asst prof Dept. of Civil Engineering, VNR Vignana Jyothi Institute of Engineering & Technology, Telangana, India

Abstract: Civil or Construction Engineering is one of the oldest forms of engineering, and methods followed as were old for a certain time, but when the world was in deep environmental crises, civil engineering came up with many new solutions. Utilization of solid waste and other environmental-unfriendly materials to environmental-friendly materials. But nowadays e-waste is turning out to be a major problem. Like plastic and PCB's which are part of e-waste, is a big threat to the environment when left without treating them. It is creating a great threat to the environment, landfills, and groundwater is becoming toxic day by day, to solve this landfill problem and prevent groundwater from becoming toxic, e-waste was considered as a source of construction. E-waste as replacement either coarse, fine or both aggregate gave amazing results. on further let's see how long will this E-waste concrete sustains and its performances against workability and strength tests in the below papers.

Keywords: e-waste, PCB's, environment, strength test, workability test, concrete, landfills.

1. INTRODUCTION

The rapidly growing of tech these days, up-gradation of new innovations in tech and the electronics manufacturing industries have led the E-Waste as one of the fastest-growing waste streams in the world. Electronic waste such as **Mobiles, iPods Refrigerator, Computers and Printers, washing machines, Televisions**, which are harmful to the environment. E-waste produced in India is about 2 million TPA (tonnes per annum). As a civil engineer, we take this opportunity and utilized e-waste as a replacement for aggregate. So, e-waste concrete is evolved in such a process that is lightweight and more flexible.

1. Sunil Ahirwar et al

The waste materials that come from the construction field can also be reused that gives better economic and environmental benefit. Sunil Ahirwar along with his colleagues tried to make the best out of e-waste as they inappropriately found rapid disposal of Electronic-waste. So, they tried the including the e-waste into coarse aggregate replacement. The aim of their study was the investigation of the change in mechanical Behaviour & Properties of concrete when the addition of E-Waste is done in concrete. The Coarse aggregate is replaced partially by E-waste in 0% to 30% proportions. They also included 10, 20, and 30 Percent of flyash partially replacing the cement. As per the tests conducted on various specimens made with different percentage inclusions of e-waste and fly ash as partial replacement of coarse aggregate and cement respectively, they have come to results: 30% of cement replacement with fly ash along with electronic waste gives the best result. The

strength of concrete increased by 17.8% by the inclusion of 7.5% e-waste. Many favorable results were obtained like concrete is lightweight and thus the weight of the structure is reduced. Workability was increased as increase in percentage inclusion of e-waste. Makes concrete more flexible and hence bear seismic loads. They concluded that E-waste can be used replace the coarse aggregate somewhere between 10 – 20%.

2: Manikandan et al

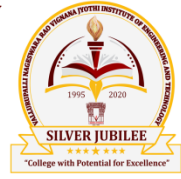
Manikandan along with his team focused on the improper disposal of e-waste. In our Country (India), primary source of Electronic waste generated was from public & private sector which are 70% from the total waste being generated. The annually estimated generation of E-waste was around 4,00,000 tons. It is found that most of the e-waste generated is from cities like Bombay, Delhi, Bengaluru, and Madras was estimated approx. 10,000, 9,000, 8,000 and 6,000 Tonnes Respectively. only 4% of total waste generated is recycled per annum, it's a disappointment. So, they made efforts for usage of E-waste components as for partially replacing the coarse(10-12) mm Aggregate. The major conclusions drawn by them are: Density of Electronic Waste as Replacement of Coarse or Fine Aggregate in concrete is less when compared to Existing Normal or Conventional concrete as resulting in the lightweight blocks emerge which also reduced the cost of concrete blocks. Up to 15% replacement is allowable as it increased compressive strength and durability compared to conventional concrete.

3: Sagar R. Raut et al

Sagar R. Raut along with his team Roshani S. Dhapudkar, Monali G. Mandaokar focused on the replacing the coarse aggregate by electronic waste & also tried to replace fine aggregates by e-waste. They have mainly focused on the replacement of aggregates but not included fly-ash for partially replacing the cement. The major conclusions that were drawn by them were: 15% of partial replacing of aggregates gave the best results for Testing of Compression. Electronic Waste can be used as a possible partial replacement for the Coarse Aggregates. Tensile Strength (Split) was max. at 15 percent partially replacing the coarse aggregate by electronic waste. This Study show the Optimum percentage of replacement.

4. Lakshmi et al (2010)

Lakshmi along with her team, was studying the usage of E-waste materials for replacing the coarse aggregate. The experiment was done by choosing percentage replacement ranging from 0%, 4%, 8%, 12%, 16%, 20%, 25% in



Review Paper on Applications and Techniques in Concrete Printing

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Abstract: 3D concrete printing is an emerging technique in construction field. 3D printing mainly focused on reduction of formwork, utilization of time and using the materials eco-friendly. 3D printing is mainly divided into two techniques where contour crafting may revolutionize construction industry in near future. These technologies could create a new era of architecture that is better adapted to the environment and integrated with engineering function. Despite of many advantages, the limitations of this technology is also summarized in conclusion.

Keywords: 3D printing of concrete, formwork, motor, STL file format, and computer aided design, contour crafting, and construction digital construction.

1. INTRODUCTION

We know that the construction industry almost runs with concrete. From a recent study, form work is responsible for 80% of the total construction cost of concrete. Disadvantages of following conventional construction methods are: formwork, time consuming, more waste generated and labour safety while doing work, huge amounts of greenhouse gases evolved. 3D concrete printing could solve many drawbacks in conventional method of construction. It is recently gaining popularity in construction industry. 3D printing, also known as additive manufacturing (AM), is a group of emerging techniques for fabricating 3D structures directly with a software in successive layers with less waste material. Initially AM technologies were developed in the 1980s. Currently, AM technologies become the main source of modern product Development and successfully applied in a wide range of sectors including aerospace and automotive manufacturing, biomedical, consumer and food.

2. LITERATURE REVIEW

2.1 Izabela Hager, et al. (2016)

They have studied regarding the history and an overview about the concrete printing technology. And also they mentioned some case studies regarding the application of this technology. In 1983, Charles W introduced the first 3D concrete printing technology. He used STL (stereo lithography) technology for this. Then later, another technology named as FDM (Fused deposition modelling) was introduced by S.Scott crump in 1988. The first case study was in 2014, Dutch architects built a house using concrete printing. They built the house with individual components. It took around 3 months for construction. The second case study was Winsun Company built a model house using their own software. Then later, they built a 5 storey building using concrete printing with the same

software. And the building was the tallest construction with concrete printing technology till now in the world.

2.2 Antony Thorpe, et al. (May, 2014)

They developed a concrete printing machine using additive manufacturing (AM) technology. They printed a Wonder bench using concrete printing technology. First they designed a 3D cad model for the bench, later it was converted into STL (stereo lithography) format. Then printing path was generated. After that they developed a G-code for printing process, then printing of bench was done. In this project, they used a concrete made with both cement and gypsum materials. The concrete density was 2400kg/cubic meters. The concrete was 3 times stronger in compression and flexure when compared with normal concrete. The strength of this concrete was found around 100-110mpa. In this project they used 9 mm nozzle for printing operation. And it prints 1.4kg/minute. The bench height was 0.8 m and it weighs 1 tonne. They provided functional voids in bench construction and later they post tensioned the voids such that the bench would be strong in tension also.

2.3 Byung Wan Jo, et al. (2020)

They printed a hollow concrete wall using 3D concrete printing technology. First they developed a prototype model for checking its performance before developing full size model. Using that prototype, they printed the wall. The prototype model was 1Mx1Mx1M in dimensions. The study was mainly focused with 3 targets. 1) 3D space motion control. 2) Properties of concrete material. 3) Material dispensing process. In motion control, they used FDM technology with help of software which they personally developed. In material properties, they used conventional concrete with a small size of aggregates. In the dispensing process, they used a screw type nozzle for the extrusion process. The diameter of the nozzle is 50 mm. They did a compressive strength test on printed models on different mix designs. And its average compressive strength is obtained around 61Mpa.

2.4 Van Der Putten, et al. (July 2020)

They conducted an experiment on printed samples to test the levels of chloride penetration in it and compared it with the one which is built using conventional construction method. They found that there is more shrinkage, internal voids and crack formation, increases the amount of preferential penetration path for chemical substances when followed this technique. The penetration of chloride in moulded specimens is uniform all over the entire sample



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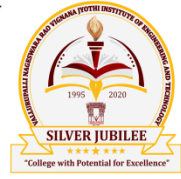
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This is to Certify that Ms. Mothe bhavani (Roll No 17H161A0143) Student of III B.Tech Civil Engineering from Aunrag University has undergone the Summer 2020 Online Internship from 1st Jun to 30th Aug 2020 (13 Weeks) and carried out the project entitled "machine learning Technics in traffic engineering-Rapid driving style recognition in car following using machine learning and vehicle trajectory dat" Under the Guidance of Dr.C. Naveen Kumar, Associate Professor in the Civil Engineering Department of VNRVJIET. She has Successfully Completed the Internship.

Dr. A. Mallika
Professor & Head of the Department

Dr. B V R Ravi Kumar
Professor MED & Head CDC

Dr. C D Naidu
Principal

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Dr. A. Mallika
Professor & Head of the Department

Dr. B V R Ravi Kumar
Professor MED & Head CDC

Dr. C D Naidu
Principal



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Dr. A. Mallika

Professor & Head of the Department


Dr. B V R Ravi Kumar

Professor MED & Head CDC


Dr. C D Naidu

Principal



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This is to Certify that Mr. V. Sai Manoj (Roll No 18MQ5A0114) Student of III B.Tech Civil Engineering from Sri Vasavi institute of Engineering and Technology, Machilipatnam, Nandamuri has undergone the Summer 2020 Online Internship from 1st Jun to 30th Aug 2020 (13 Weeks) and carried out the project entitled "Modelling of Foundation on Reinforced Soil" Under the Guidance of Dr.S.Sasanka Mouli, Assistant Professor in the Civil Engineering Department of VNRVJIET. He has Successfully Completed the Internship.


Dr. A. Mallika

Professor & Head of the Department


Dr. B V R Ravi Kumar

Professor MED & Head CDC


Dr. C D Naidu

Principal



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DEPARTMENT OF CIVIL ENGINEERING

Summer Practical Training (Mini – Projects)

The following are the list of III B.Tech II Sem (CE – I) Civil Engineering students who have undergone summer practical training at various organizations **from 20.05.2019 – 22.06.2019**

S. No.	Reg. No.	Name of the Student	Name of the Organization offered training	Area of Industry
1.	16071A0101	A. Raju	M/s.Beema Developers	Constructi on Industry
2.	16071A0102	A. Vinith		
3.	16071A0103	A. Shashi		
4.	16071A0105	A.Usha Sri	M/s.Aliens Developers	Constructi on Industry
5.	16071A0106	Girish	R&B Department	
6.	16071A0110	B. Sri Sai Sushma		
7.	16071A0114	Ch.Srihith		
8.	16071A0121	G. Pranay		
9.	16071A0129	K. Vineeth		
10.	16071A0155	U. Rakesh		
11.	16071A0107	Apoorva.M	M/s. Tata Projects	Constructi on Industry
12.	16071A0108	B. Saikiran	M/s.Tripura Constructions	
13.	16071A0116	D. Akshitha		
14.	16071A0117	D. Shashipriya Jadav		
15.	16071A0154	T. Mounika		
16.	16071A0109	B.Sai Raj	M/s. Sri Sai Tirumala Constructions Pvt. Ltd.	Constructi on Industry
17.	16071A0113	Ch. Sai kiran		
18.	16071A0139	Mohammed Bilal Badr		
19.	16071A0142	N. Ashok Kumar		
20.	16071A0111	B. Rohith Nayak	M/s. BSCPL	Constructi on Industry
21.	16071A0120	G. Harika		
22.	16071A0124	K. Bhavani		
23.	16071A0158	Y. Prakash		
24.	17075A0106	Sk. Aslam		

S. No.	Reg. No.	Name of the Student	Name of the Organization offered training	Area of Industry
25.	16071A0115	CH. Mounika	M/s. Aparna Constructions	Construction Industry
26.	16071A0135	M. Pranavi		
27.	16071A0137	M. Bindu Pranavi		
28.	16071A0143	N. Prathyusha		
29.	16071A0148	R. Tejasindhura		
30.	16071A0149	R. Rachana		
31.	16071A0123	K .Usha Sri	M/s. Egis India Consulting Engineers Pvt. Ltd.	Construction Industry
32.	16071A0145	P. Rajitha		
33.	17075A0108	D. Ramya		
34.	17075A0112	G. Maheshwari		
35.	16071A0126	K. Amrutha	M/s. Marina Skies - Cyber City Builders and Developers	Construction Industry
36.	16071A0147	R. Rajarshi Raghava		
37.	16071A0104	Ravindra	M/s. Mythra Constructions Pvt. Ltd	Construction Industry
38.	16071A0125	K. Saicharan		
39.	16071A0131	K. Sai Teja		
40.	16071A0159	Y. Punna Reddy		
41.	16071A0160	Vamshi		
42.	16071A0132	K. Sowmya	M/s. PEBS Pennar Industries	Construction Industry
43.	16071A0133	L. Dileep Kumar Reddy	M/s. Vertex Constructions Pvt. Ltd	
44.	16071A0144	P. Rajesh kumar		
45.	16071A0146	P. Ramsai		
46.	16071A0136	M. Arun Sai Kumar	M/s. PVR Constructions Pvt. Ltd	Construction Industry
47.	16071A0138	M. Nikhil Reddy		
48.	16071A0150	N. Sahaj	M/s. L&T	

		Chary	Metro Rail Hyderabad	
49.	16071A0153	T. Sowmya	M/s. Lanco Hills	
50.	16071A0156	V. Sri Harsha Reddy	Technology Park Pvt. Ltd	
51.	16071A0134	L Bhargav Yadav	ECIL	

S. No.	Reg. No.	Name of the Student	Name of the Organization offered training	Area of Industry	
52.	16071A0157	V. Sai Sree	M/s. L&T Metro Rail Hyderabad	Construction Industry	
53.	17075A0101	G.Pravalika	M/s. Mission Bhagiratha		
54.	17075A0103	Sravan			
55.	17075A0105	A.Ravi sagar			
56.	17075A0110	Ramakrishna			
57.	17075A0102	Ch .Naveen	M/s. IVRCL	Construction Industry	
58.	17075A0107	Ch. Manohar	M/s.Sri CTM Projects Pvt. Ltd.		
59.	17075A0109	V. Manoj Yadav			
60.	17075A0111	A.PranayTeja			
61.	15071A0120	M. Cherish	M/s. Navayuga Engineering Company		
62.	16071A0151	S.Manish	M/s. Devi Constructions	Construction Industry	
63.	16071A0118	E. Venkat Sai Reddy	M/s. SS Designers		
64.	16071A0119	G. Saicharan Reddy			
65.	16071A0127	K. Venkatesh			
66.	16071A0128	K. Raghava			
67.	16071A0130	K. Sai Vikas			
68.	16071A0140	M. Nagarjuna			
69.	16071A0152	N Surya Krishna			---

DEPARTMENT OF CIVIL ENGINEERING

Summer Practical Training (Mini – Projects)

The following are the list of III B.Tech II Sem (CE – I) Civil Engineering students who have undergone summer practical training at various organizations **from 20.05.2019 – 22.06.2019**

S N o.	Reg No.	Name of the Student	Name of The Organization Offered Training	Area of Indus try
1	16071A016 5	A Madhu	M/s. Cybercity Builders And Developers	Const ructio n Indust ry
2	16071A017 3	G Supriya Reddy		
3	16071A019 5	M Sunethra		
4	16071A019 7	N Shiloh Abhishiktha Dutt		
5	16071A019 8	N Lavanya		
6	16071A01B 3	Syed Akbar		
7	17075A011 7	S Ranisha		
8	16071A016 4	A Karthik Reddy	M/s. Build Earth Projects And Consultants	Const ructio n Indust ry
9	16071A018 9	L Sairam		
10	16071A019 3	M Eshwar		
11	16071A01A 0	O Ealandhar		
12	16071A01B 4	T Nikhil Kumar		
13	16071A01B 5	U Prashanth		
14	17075A012 0	D Umesh Kumar		
15	16071A01A 6	Sai Mrudula S	M/s. Creative Koven Developers	Const ructio n Indust
16	17075A012 2	K Rajeshwari		

17	17075A012 4	K Neleema		ry
18	16071A019 2	M Ravali	M/s. Maram Infra	
19	16071A01A 7	S Archana		
20	16071A01B 3	Soma Shivani		
21	16071A01B 6	U Suresh Kumar		
22	17075A012 3	Durga P		

23	16071A0163	A Ram Prasad Goud	M/s. Sugadhi Constructi ons & Consultan cy	Constr uction Industr y
24	16071A0170	C Sriramreddy		
25	16071A0175	G Naveen Kumar		
26	16071A0196	N Mahesh		
27	16071A01B7	V Shiva Krishna		
28	17075A0114	A Suman		
29	17075A0119	B Chandra Butham		
30	17075A0121	P Bhanu Prasad		
31	16071A0168	B Shravani	HMWS & SB	Constr uction Industr y
32	16071A0177	I Naga Rani		
33	16071A0190	M Kaushiki		
34	16071A0194	M Tejashree		
35	16071A0176	G Sai Chary	M/s. Plan Infra Associates	
36	16071A01A0	P Venkat Bhargav		
37	16071A01A5	R Sathish Kumar		
38	16071A0178	J Charan Teja	M/s. Beema Developer s	Constr uction Industr y
39	16071A01A2	P Ajay Kumar		
40	16071A01A4	R Charan Teja		
41	16071A0167	Ayesha Samreen	M/s. PEBS Pennar Industries	
42	16071A01A9	Sana Farhaj		
43	16071A0166	A Jahnavi Reddy	M/s. Sarala Project Works Pvt	Constr uction Industr y

			Ltd	
44	16071A0186	K Koushal Reddy	M/s. Megha Engg. & Infrastructures Ltd.	
45	16071A0191	M Karuna Reddy	M/s. Tripura Constructions	
46	16071A0162	Aditi A	M/s. KMV Spaces	
47	16071A0180	K Tapan Chetak	M/s. Engineers India Limited	Construction Industry
48	16071A01A8	S Bollepally	M/s. Alien Developers	
49	17075A0118	S Naveen	M/s. DRK Developers	
50	16071A0182	K Bharath		
51	16071A01C0	W Nikhil	M/s. Kamineni Flyover Project	Construction Industry
52	16071A01B8	V Suryavamsi	M/s. L&T Constructions	

53	16071A0161	Abhishek J	VG Infra Pvt. Ltd.	Construction Industry
54	16071A0169	Rahul B		
55	16071A0185	Balaji		
56	16071A01B2	Satish		
57	17075A0115	D Sahithya	R&B Department	
58	16071A0187	Kunal Agarwal	M/s. Ramamount Building Solutions	

59	16071A0182	K Bharath	M/s. mainia nstructions	Construction Industry
60	17075A0116	R Pramadothama	M/s. Sian ra & Realcon Ltd	
61	16071A01B9	Vishal Singh P	M/s. Sahiti ra Tech ntures Pvt Ltd	Construction Industry
62	16071A0184	K Manideep	M/s. V G ra Private nited	
63	16071A0171	C Madhav	M/s. ECIL, d.	Construction Industry
64	16071A0174	G Sidhartha		
65	16071A0179	K Harish Reddy		
66	16071A01B0	S Sai Maruthi		
67	16071A0172	Ch Naveen	M/s. GPNR Constructions	Construction Industry
68	16071A0199	Nitish Nagaraj A	IIT derabad	
69	17075A0113	Pooja M	L&T Hyderabad Metro Rail	
70	16071A0188	Pavan Raju K	Aparna Constructions	

Dr. A. Ramesh
I/c Practical Training

Dr. A. Mallika
HOD – CE



VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF CIVIL ENGINEERING

Summer Practical Training (Mini – Projects)

The following are the list of III B.Tech II Sem (CE – I) Civil Engineering students who have undergone summer practical training at various organizations from **21.05.2018 – 20.06.2018**

S. No.	Reg. No.	Name of the Student	Name of the Organization offered training	Area of Internship
1.	15071A0101	A. Sai Kiran	Sri CTM Projects Pvt. Ltd.	Construction industry
2.	15071A0108	Ch.Sharath Chandra		
3.	15071A0128	K.Vineeth Reddy		
4.	15071A0104	Vishwesh Nayak	T.N.R. Estates Pvt Ltd.	
5.	15071A0137	Vivek Chowdary		
6.	15071A0105	B.Raj Kumar	Ch. Gowri Shankar Infra Built Pvt. ltd	Construction industry
7.	15071A0155	T.Shyam		
8.	15071A0107	Boppana Harsha Vardhan	Ultra core Systems (India) Private Limited	
9.	15071A0111	Vejalla Deva Harsha		
10.	15071A0124	Komari Sunil		
11.	15071A0140	Peta Abhinav		
12.	15071A0147	Ravuri vikranth		
13.	15071A0156	Sai Srenika Y		
14.	15071A0160	Geethanjali Pesala	Ch Gowri Shankar Infra Built Pvt.ltd	
15.	15071A0109	Chaganam Sravya		
16.	15071A0136	Mogireddy Ravali		
17.	15071A0139	Nyathari Kiranmai		
18.	15071A0142	Pothareddy alekya	Environmental Protection and Training Research Institute	
19.	15071A0110	Chandana		
20.	15071A0144	Prathyusha		
21.	15071A0154	Adarsh		
22.	15071A0158	VNSS Prasad		
23.	15071A0159	Maneesha		

S. No.	Reg. No.	Name of the Student	Name of the Organization offered training	Area of Internship
24.	15071A0114	G.Kusuma	Mission Kakatiya	Construction industry
25.	15071A0119	J.Yamini		
26.	15071A0125	K.Rakshitha		
27.	15071A0115	Gadam Rajinth	CSIR-CRRI	Research Institute
28.	15071A0133	Macharla Aravind		
29.	15071A0157	M. Yashwanth Narayan		
30.	15071A0118	G.Raghavender	Deogiri Infrastructure Pvt. Ltd.	Construction industry
31.	15071A0126	K.S.S.kartheek		
32.	15071A0146	R. Nandivardhan		
33.	15071A0121	Vinaya	Aishwarya Builders and Developers	
34.	15071A0148	Sahithi		
35.	15071A0145	Mahender		
36.	15071A0122	K. Pavan Kumar	IVRCL	Construction industry
37.	15071A0134	N. Manideep		
38.	15071A0135	M. Praneeth		
39.	15071A0123	Kola Rohith	BSCPL	
40.	15071A0127	Pujith	Peketi ventures private limited(nkv gypsum)	
41.	15071A0141	Mahipal		
42.	15071A0129	M.S.K Praneeth	Vasudha estates	Construction industry
43.	15071A0131	M. Sai Sri Haritha	PEBS Pennar	
44.	15071A0138	Neela Akhil	Ch. Gowri Shankar Infra Built Pvt. ltd	
45.	15071A0143	Pothu Vamshi		
46.	15071A0150	S.Pardhu Reddy	IIT Hyd.	
47.	15071A0151	S.Gnapika	PEBS Pennar	Construction industry
48.	14071A0143	Mavuri Sai Eshwar Tej	Ramky Infra	

49.	15071A0113	R.V.Sushanth	Adhiraj developers	
50	15071A0152	Sameed Ahmed	L&T Metro Rail Hyderabad	
51	15071A0112	D. Rakesh	GVR Constructions	

S. No.	Reg. No.	Name of the Student	Name of the Organization offered training	Area of Internship
52	15071A0102	Avinash Brijesh Tiwari	L&T Metro Rail Hyderabad	Construction industry
53	15071A0116	G. Rohith		
54	15071A0153	A.Srikanth		
55	15071A0103	B Sai Samhith Reddy	Proventus Pvt. Ltd.	Construction industry
56	15071A0117	Bhavishya.G	KMV Group Ltd.	
57	15071A0149	Saa Firdous	AU Constructions	
58	15071A0132	Chetan Sai	HRDCL	
59	16075A0101	G. Vishal Reddy	IVRCL	Construction industry
60	16075A0109	V. Aravind		
61	16075A0102	M.Tharun Kumar	Sri CTM Projects Pvt. Ltd.	Construction industry
62	16075A0103	C.P.Ram Chander		
63	16075A0105	P.Manideep		
64	16075A0104	D.Phanindra Chowdary	V4 Constructions	Construction industry
65	16075A0108	D.Chakravarthi		
66	16075A0111	Rebba Vishal		
67	16075A0106	Macharla Manaswini	Ch Gowri Shankar Infra Built Pvt.ltd	Construction industry
68	16075A0110	Gade Keerthana		
69	16075A0107	Ch. Raviteja (6)	Deogiri Infrastructure Pvt. Ltd.	
70	16075A0112	B.Shravani	DRDO	

DEPARTMENT OF CIVIL ENGINEERING
Summer Practical Training (Mini – Projects)

The following are the list of III B.Tech II Sem (CE – II) Civil Engineering students who have undergone summer practical training at various organizations **from 21.05.2018 – 20.06.2018**

S. No.	Reg. No.	Name of the Student	Name of the Organization offered training	Area of Internship
1.	15071A0161	Akavaram Sasya Reddy	T.N.R. Estates , Bowenpally	Construction industry
2.	15071A0176	Hemanth Agarwal		
3.	15071A0162	Ankathi Laxmithrishool	BSCPL , LB Nagar	Construction industry
4.	15071A0165	Bassi Arjun		
5.	15071A0175	Guttikonda Jyothi Srilekha		
6.	15071A0192	Manjot Singh Gandhi		
7.	15071A0193	Mohammad Arfath		
8.	15071A01A3	Rachamalla Priyanka		
9.	15071A0163	B Nikhila Srinivas		
10.	15071A0164	B. Sai Teja	SEW Thupakulagudem ,	
11.	15071A0167	Bommeri Vidyadhar		
12.	15071A0190	M. Vineeth		
13.	15071A0197	Nunavat Gopi		
14.	15071A0166	Betholi Tejashwini	PEBS Pennar (Design Dept.) ,	Construction industry
15.	15071A0168	Ch. Anvesh	VASAVI-GP Trends, Nanakramguda	
16.	15071A0173	G. Pavan Chandra		
17.	15071A0182	Kalava Lalith Nandan		
18.	15071A0194	Mohammed Muzafer Hussain Mateen		
19.	15071A0195	Myadapalli Praveen		
20.	15071A01A0	Padala Sandeep		

S. No.	Reg. No.	Name of the Student	Name of the Organization offered training	Area of Internship
21.	15071A01A2	Prattipati Pravallika	VASAVI-GP Trends, Nanakramguda	Construction industry
22.	15071A01B2	Vadapuram Karthik		
23.	15071A01B4	Veldhandi Saisanjay		
24.	15071A01B7	Y Vyshnavi		
25.	15071A0169	Chilka Praveen Kumar	EPTRI, Gachibowli, Hyderabad	Construction industry
26.	15071A0196	Narmula Vamshikrishna		
27.	15071A0198	P Sai Shivani		
28.	15071A01A6	Suram Srivani		
29.	15071A0170	Ciluveru Tejaswini	Gowri Shankar Infra Build Pvt. Ltd. , Kodada	
30.	15071A0171	D.S. Chandra Babu	Ultra core Systems (India) Private Limited	Construction industry
31.	15071A0186	L. Aravind		
32.	15071A01B3	Vasam Anuragh		
33.	15071A0172	Daasari Doneshwari	NCC PVT. LTD , Quthbullapur	
34.	15071A0174	Gandhe Pushyamithra	Engineering Section, Moosapet Circle , GHMC	Construction industry
35.	15071A0177	Julakanti Manasa	Sushee Realty Gandipet	
36.	15071A0178	K Akshay Singh Rathod	HRDCL , Khajaguda, Hyderabad	
37.	15071A0185	Kotrika Rajarathnam Rithvik Raj		
38.	15071A0179	K Manoj Sai	SRK Constructions , Gooty	Construction industry
39.	15071A0183	Kavuri Sai Shashank		
40.	15071A01A7	T Manjunadha Reddy		
41.	15071A01B8	B Vishwa Raj		
42.	15071A01C0	P Vamsi Krishna		
43.	15071A0199	B. Sai Harsha	Sri Raja Rajeshwari Constructions Pvt. Ltd ,	Construction industry

			Hyderabad	
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S. No.	Reg. No.	Name of the Student	Name of the Organization offered training	Area of Internship
44.	15071A0180	K. Meghana	Cybercity Builders And Developers (IDL Road)	Constructi on industry
45.	15071A0181	G Thanuja		
46.	15071A01B5	Yallabandi Harshini		
47.	15071A0184	Khatravath Chaitanya	Peketi Ventures , Begumpet	Constructi on industry
48.	15071A01B6	Yasarpu Jyothi		
49.	16075A0115	A.Manasa		
50.	16075A0117	M.Vineela		
51.	16075A0121	R.Nikitha		
52.	15071A0187	M Satwik	Mission Bhageeratha, Mancherial	Constructi on industry
53.	15071A0189	M. Raghuv eer	SB Constructions Pvt. Ltd. Hospet, Bellery	
54.	15071A01A1	Padma Rajesh	Trisha Infrastructure Pvt. Ltd.	Constructi on industry
55.	15071A01A5	Saka Sai Prapulla		
56.	15071A01A9	T.V. Sai Ram		
57.	15071A01A4	Raja Sirimilla	Devi Engineering Projects , Nizampet	Constructi on industry
58.	14071A0181	preethi		
59.	14071A0189	Janardhan		
60.	15071A01B0	Thimmapa Pradeepthi	KMV Projects Limited , Ameerpet	Constructi on industry
61.	16075A0124	K. Pavana Raghu Vamshi		
62.	15071A01B1	Thota Veda Nandini	Sunway Opus , Bollaram	Constructi on industry
63.	15071A01B9	Lanka Sainandhan	Sai Teja Constructions, Hyd.	
64.	16075A0113	M.Keshav	Shambabu Constructions ,	
65.	16075A0114	B.Pavan Kumar	SS Constructions Builders And Developers , Hyd.	Constructi on industry

66.	16075A0116	K.Jyotsna	Panchayatraj Engineering Dept. – R & B	
67.	16075A0118	G.Chandra Shekar	Sree Samarth Solysis , Kandeswar , Mumbai	Constructi on industry
68.	16075A0119	S.Jawaharlal	Vasavi- Gp Trends,Nanakramg uda	Constructi on industry
69.	16075A0120	P.Susheshna	DRDA Department , Parvathagiri	
70.	16075A0122	N.Mahesh	Rural Water Supply And Sanitation Dept.	
71.	16075A0123	D.Tanuja	PEBS Pennar (Design Dept.) , Kothaguda	

Dr. A. Ramesh
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