# DON BOSCO INSTITUTE OF TECHNOLOGY

Kumbalgudu, Mysore Road, Bengaluru-74, Karnataka



A REPORT

"A Visit to Excon exhibition"



Organized by

Department of Civil Engineering, Don Bosco Institute Of Technology Kumbalgudu, Mysore Road, Bengaluru-74, Karnataka

21/05/2022

2021-2022

An visit to EXCON 2022, the largest construction equipment event in South-Asia by Confederation of Indian Industry scheduled to be held in 17th - 21st May 2022, Bengaluru, Karnataka, India. We visited the excon on 21/05/2022 by the students of 4<sup>th</sup> Semester [18] 6<sup>th</sup> Semester [28 students] and 8<sup>th</sup> Semester [54students] B.E [Civil Engineering], during 21/05/2022. Three Staff Members namely Mr.Raghavendra D, AP/Civil, Mrs.Sandhya Rani, AP/Civil, Mrs.Savitha A L, AP/Civil accompanied the students.

### **OBJECTIVE OF THE INDUSTRIAL VISIT**

- To visit and make students an impact on understand about the Excon exhibition the largest trade fair on Construction Equipment's & Construction Technology.
- To showcase the latest advancements in construction engineering with emphasis on latest products, equipment's & technology with specific emphasis on efficiency, productivity, safety, environment protection and construction quality.
- To give an expose to student about the Excon exhibition which is poised for immense growth with more international participation
- To explain about the advances in the field of construction technology

#### Outcome of the visit

- students got an awareness amongst them on Construction Equipment Industry and the opportunities in this sector and career progression possibilities
- gained significant value by observing industry trends, exploring career options and understanding skilling for the future
- Students came with a thinking some alternate fuel and solutions for the problems faced by the Construction Equipment Industry – Alternate Fuel and Alternate Materials.
- Students got to know about the new recent materials and machineries in the field of construction technology and in civil engineering.

### GALLERY



Image of a Hydroman submersible dredge pump



Primary stage water thickener



Dewatering units, RMC Supply units



Dynamic compactors

Department of Civil Engineering

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Ground engaging tools for earth moving



Road Sweeping recycling solutions

Department of Civil Engineering

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Department of Civil Engineering



Heavy duty bulldozer

Department of Civil Engineering

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14

4544

No-stands



Group-1 students picture with faculty

No of students Participated: - 100 Students

Faculty Accompanied Mr.Raghavendra D, AP/Civil Mrs.Sandhya Rani, AP/Civil Mrs.Savitha A L, AP/Civil

R. L. Rameer

Dr. R L Rames HOD/CIVI



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Don Bosco Institute of Technology, Bangalore (NAAC Accredited Institution)





Department of Civil Engineering

## EXOCON EXHIBITION ON 21.05.2022

		I	V Sem Students	
L.	Γ	Name of the Students	USN	Signature
1	AN	JAN KUMAR H	1DB20CV001	ALL
2	BI	UVAN NR	1DB20CV003	Bhiwanne
3	E	SHWARAIAH S HIREMATH	1DB20CV005	Oel .
4	G	ANESH M	1DB20CV006	have
111	5 H	IARISH P KESHRANI	1DB20CV007	a
	6	HARSHA T M	1DB20CV008	
Γ	7	JNANESH GOWDA	1DB20CV009	Tranestapensa
Γ	8	MD RAAYAN AHMED G	1DB20CV010	MP. Poarton
Γ	9	NISARGA G C	1DB20CV011	Nisarga G. C
T	10	PALLAVI D	1DB20CV012	Pallavi.P.
T	11	POOJA G	1DB20CV013	\$2-ja.G.
	12	POOJITHA R	1DB20CV014	Cogilly R
	13	PRAJWAL H M	1DB20CV015	furnet.
	14	RAHUL GOWDA	1DB20CV017	Rohy -
	15	5 SAHANA M K	1DB20CV018	Baharen Mt
	1	6 JAYARAME GOWDA K	1DB21CV400	Jaypaurmegowda.le
0	1	7 NAVNISH PAL D	1DB21CV401	Nontal
	1	8 SUSHMA K	1DB21CV402	Sustana.k



Don Bosco Institute of Technology, Bangalore Department of Civil Engineering

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# EXOCON EXHIBITION ON 21.05.2022

## VI Sem Students attendance (AY - 2022)

_	VI Sem Studen			USN		Signature	
L. 0.	Name of the Students		-	UNI			
1	DEEF	PASH	REE L	1DI	318CV009	5	aug-th M
2	JAY.	ANT	T M	10	BI8CV011	-2	agwant -
3	MD	MD DANIYAL SHAHAB		10	B18CV018	D	while white
	A SHASHANK GOWDA H U		11	DB18CV033	2		
F	5 19/	ANDA	N M S	11	DB17CV027	7	A L . C
F	6 4	6 ANUSREE S		1	DB19CV001	7	thunne
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F	8 CHAITHRA R		1	1DB19CV003		Kaethra. R	
T	9	CHET	HANAR		1DB19CV004	C	hethana. R.
T	10	DHA	NUSH J S		1DB19CV005	T	shanuht.P.
I	11	HAR	SHITHA T		1DB19CV006	He	auffitha"
	12	JAY	ASHREE N		1DB19CV008		ALL HE
	13	JEE	WITHA H J		1DB19CV00	9	JUN Martin
	14	NIK	HIL R		1DB19CV01	1	VIKher-
	15	PA	VAN G M		1DB19CV01	2	avan G.VI
	16	NE	ERAJ AKARSH SETTY	_	1DB19CV01	3	Nusci Inst.
	17	su	HAS L	_	1DB19CV0	16	Subah Clauda
	18	SI	ASHANK S CHOUGALA		1DB19CV0	15	S.S. Chougand
	15	TT	EJAS GOWDA L C	-	1DB19CV0	18	Tital H
0	20	20 TEJAS H		-	1DB19CVC	019	1 daves
1	2	21 VANDANA D RAJ		-	1DB19CV	020	1( Madad
	2	22 VENKATESH KUMAR S			IDB19CV	021	Vennaren
	1	23 VINOD KUMAR N			1DB19CV	024	CLANDRY .
	1	24 CHANDANA.N		-	IDB20CV	400	Meghanal
	H	25	MEGHANA L	-	1DB20CV	1040	Monisba
	H	26	MONISHA M	-	108200	V404	6 nehith S
	+	27	SUCHITH.S	-	108200	V405	Vordaue 8
		28 VANDANA 5		108200		-	





Department of Civil Engineering

## VIII Sem Students (AY - 2022)

## EXOCON EXHIBITION ON 21.05.2022

1	Name	of the Students	USN	Signature
IVE	VEDANTH PC		1DB17CV049	Veduth
2 NITHIN B N		1DB17CV408	pothin. Ros	
3 1	MANJUNATH T		1DB18CV407	Jeunsuth.
4	MOH	AMMED YASEEN	1DB18CV412	named.
5	SACI	HIN S M	1DB18CV418	Saethen.s.M
6	RAN	JAN GOWDA M	1DB18CV425	5 Rule pecede.
7	AB	IISHEK	1DB18CV00	aderette
8	ANI	NAPODRNA S	1DB18C\00	· Annapaoues
9	ATI	F A JAMADAR	1DB18CV00	5 Adut
10	CH	ANDANA D T	1DB18CV00	00 Chardhon. P. T.
11	DA	AIVIK M	1DB18CV0	08 Stand-
12	GI	JNA SHEELA	1DB18CV0	10 Gunasheelb
13	37	WANTH N	1DB18CV0	12 Rougherd
14	L	DKESHWAR M	1DB18CV0	014 Gullefreed.
15	5 M	IAHENDRA S	1DB18CV	015 maheerotse. S
16	6 N	IANASWINI R K	1DB18CV	1016 Manashevini
1	7 1	MANISH O	IDB18CV	1017 Neihich G
1	8	MD SHUKRULLA KHAN	IDB18CV	VOID MOS
1	19	NAMITHA K	1DB18C	VO20 Marrithe K
1	20	NISCHITHA M S	1DB18C	VO21 Dischatho
	21	OBALANAYAK M S	1DB18C	vozz obull,
	22	PRADYUTH SURESH	1DB180	2024 Dreichyth Surgh
	23	PRASHANTH KUMAR	R 1DB180	cvo25 Prosper. Keen.
Γ	24	RACHANA R	108180	CV027 Keepup
Γ	25	RAHUL R	1DB18/	CV028 Kaher
Γ	26	RAKSHITHA H R	10818	CV029 Ratester tik
T	27	RUDRESH S U	1DB18	servozo ferdiastr.
T	28	SANDESH K GOWD	A IDB18	scross Soludilloude.

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# DON BOSCO INSTITUTE OF TECHNOLOGY

Kumbalgudu, Mysore Road, Bengaluru-74, Karnataka



A REPORT

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"Industrial Visit to Supreme Industry" (Mahesh Hardware's Neelamangala)

Mahesh Hardware & Pipes Pvt. Ltd. AN ISO 9001 : 2008 CERTIFIED COMPANY

Organized by

Department of Civil Engineering, Don Bosco Institute Of Technology Kumbalgudu, Mysore Road, Bengaluru-74, Karnataka

27/05/2022

2021-2022

"Industrial Visit to Supreme Industry (Mahesh Hardware's Neelamangala)"

An Industrial visit to (Mahesh Hardware's Neelamangala) was undertaken by the students of 4th Semester [1] students], 6th Semester [25students] and 8th Semester [45students] B.E [Civil Engineering], during 27/05/2022 Four Staff Members accompanied them. Er.Veera Raju and Mr.Shrikant Padiyar showed all supreme products made of UPVC and CPVC materials. He showed the different size in which the fixtures are available and the different types of adhesives used to join them. He also showed the overhead water tanks of different capacities. Then lunch was provided by the Supreme industries for our entire team. Post lunch students were taken to the storage unit and were allowed to experience the storage system and the different fixtures of piping systems. Students were also shown the manholes which were introduced recently.

#### OBJECTIVE OF THE INDUSTRIAL VISIT

- To educate students about the importance of plumbing and sanitary system in Civil engineering.
- To educate students about the recent developments in plumbing materials and Fixtures.
- To provide practical knowledge on essentials of plumbing and sanitation.
- To provide practical knowledge on essentials of plumbing and sanitation.
  Learning outcomes

#### OUTCOME

- Students were able to understand the importance of plumbing and sanitation in civil engineering.
- Students were able to select the materials depending on the requirement.
- Students came to know about the new fixtures of plumbing and sanitation in market.

## "Industrial Visit to Supreme Industry (Mahesh Hardware's Neelamangala)"

### PRODUCTS VIEWED AT MAILESH HARDWARES

- uPVC High Pressure Plumbing System
- C-PVC Hot and Cold Water System
- PP-R Hot and Cold Water System
- Bath Fittings
- Overhead Water Tanks and Loft Tanks
- Premium Overhead Water Storage Tanks
- Underground Water Tanks
- Drainage System
- Underground Drainage and Sewer System
- Manholes
- Double Wall Corrugated Pipes
- Polyethylene Piping System
- uPVC Casing Pipes
- Column Pipes for Submersible Pumps
- Solvent Cements and Adhesives



Department of Civil Engineering

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Page 4 of

"Industrial Visit to Supreme Industry (Mahesh Hardware's Neelamangala)"



Typical manhole units



Different types of pipe joints



Explanation on pipes and fittings

Department of Civil Engineering

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"Industrial Visit to Supreme Industry (Mahesh Hardware's Neelamangala)"



Water storage tanks of different capacities



Demonstration on usage of different solutions in joints



Different diameter PVC pipes

Department of Civil Engineering

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"Industrial Visit to Supreme Industry (Mahesh Hardware's Neelamangala)"

No of students Participated: - 90 Students

Dr.R.L.Ramesh, Prof & Head, Civil Prof.Narayanan B R, Associate Professor Mrs.Sandhya Rani, AP/Civil Mrs.Savitha A L, AP/Civil

f. L. Rameeox Dr. R L Ramesh 30)5)24 HOD (Civil)

Department of Civil Engineering

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Don Bosco Institute of Technology, Bangalore (NAAC Accredited Institution)



# Department of Civil Engineering

# FIELD VISIT TO SUPREME INDUSTRY NELAMANGALA

IV Sem Students attendance (AY - 2022)

	Iv Sem Stud		Signature
SL.	Name of the Students	USN	- 01
10.	THE MONTH STIPAL	1DB20CV002	2002
1	BARSHAN G V	1DB20CV004	scahap
2	ESHWARAIAH S HIREMATH	1DB20CV005	asmanush
4	GANESH M	1DB20CV005	then .
5	HARISH P KESHRANI	1DB20CV007	a
6	HARSHA T M	1DB20CV008	to
7	JNANESH GOWDA	1DB20CV009	Traveringenser.
8	MD RAAYAN AHMED G	1DB20CV010	ND. Koot.
9	NISARGA G C	1DB20CV011	Nisarga G.C
1	0 PALLAVI D	1DB20CV012	( Hallow P.
1	1 POOJA G	1DB20CV013	Horju.4.
	2 POOJITHA R	1DB20CV014	Pointha .K.
1	13 RAHUL GOWDA	1DB20CV017	Kohul.
	14 SAHANA M K	1DB20CV018	Johans Mr.
	15 JAYARAME GOWDA K	1DB21CV400	sont fal.
[	16 NAVNISH PAL D	1DB21CV401	Bullmark
	17 SUSHMA K	1DB21CV402	Alla mark



Don Bosco Institute of Technology, Bangalore (NAAC Accedent Institution) Department of Civil Engineering

## FIELD VISIT TO SUPREME INDUSTRY NELAMANGALA ON 27/05/2022

IL.	Name of the Studenta	USN	Signature
1	DEEPASHREE L	1DB18CV009	
2	JAYANTH M	1DB18CV011	Jayantin
3	MD DANIYAL SHAHAB	1DB18CV018	Darind.
4	SHASHANK GOWDA H U	1DB18CV033	sah
5	NANDAN M S	1DB17CV027	Wandhave
6	ANUSREE S	1DB19CV001	Anutrees
7	BHOOMIKA S VIDYASRI	1DB19CV002	esoniti
8	CHAITHRA R	1DB 19CV003	Charlero.R
9	CHETHANA R	1DB19CV004	Schethana.R.
10	DHANUSH J.S	1DB19CV005	Dhonuht.
11	HARSHITHA T	1DB19CV006	() Harshello - T
12	JAYASHREE N AND A	1DB19CV008	A C
13	JEEVITHA H J	1DB19CV009	Territiant-J
14	NIKHIL R	1DB19CV011	W = 2
15	PAVAN G M	IDB19CV012	Pavan
16	NEERAJ AKARSH SETTY	1DB19CV013	Neorg Hoursetty
17	SUHAS L	1DB19CV016	Sulver .
18	SHASHANK S CHOUGALA	1DB19CV015	Shalportk.
19	TEJAS GOWDA L C	1DB19CV018	Tijargondo2c
20	TEJAS H	1DB19CV019	Tegos
21	VANDANA D RAJ	1DB19CV020	Vandana
22	VENKATESH KUMAR S	1DB19CV021	S. Unlicitesh
23	VINOD KUMAR N	1DB19CV024	VInoda
24	CHANDANA.N	1DB20CV400	CHANNAND
25	MEGHANA L	1DB20CV401	Meghana.1
26	MONISHA M	1DB20CV402	Monisha
27	SUCHITH.S	1D820CV404	Cuelitte.
28	VANDANA S	1DB20CV405	Thurdava.8

#### VI Sem Students attendance (AY - 2022)



## Don Bosco Institute of Technology, Bangalore (NAAC Accredited Institution)



Department of Civil Engineering

FIELD VISIT TO SUPREME INDUSTRY NELAMANGALA ON 27/05/2022 VIII Sem Students List (AY - 2022)

SL, NO.	Name of the Students	USN	Signature
1	VEDANTH P.C	1DB17CV049	Vecht. Re
2	NITHIN B N	1DB17CV408	Buitton
3	MANJUNATH T	1DB18CV407	MuseaT
4	MOHAMMED YASEEN	1DB18CV412	Marthan
5	SACHIN S M	1DB18CV418	John Sn
6	DAIVIK M	1DB18CV008	Darch M
7	GUNA SHEELA	1DB18CV010	Sele G
8	JAYANTH N	1DB18CV012	Aartha
9	LOKESHWAR M	1DB18CV014	Orfin
10	MAHENDRA S	1DB18CV015	Mahandan d.
11	MANASWINI R K	1DB18CV016	Mansson!
12	MANISH G	1DB18CV017	Manish
13	NAMITHA K	1DB18CV020	Manish
14	NISCHITHA M S	1DB18CV021	Alischetha . M.S
15	OBALANAYAK M S	1DB18CV022	any
16	PRADYUTH SURESH	1DB18CV024	Radyth Sent
17	PRASHANTH KUMAR R	1DB18CV025	Rashanter Kunes-
18	RACHANA R	1DB18CV027	Ruba
19	RAHUL R	1DB18CV028	Robush F
20	RAKSHITHA H R	1DB18CV029	Rabelittere
21	RUDRESH S U	1DB18CV030	Rudranh
22	SANDESH K GOWDA	1DB18CV031	Parterapula
23	SHASHIKUMAR V S	1DB18CV034	chaeles_

SL. NO.	L. Name of the Students		Signature
24	SHREESHA MAYYA K S	1DB18CV037	Ship >
25	SUNIL RATHOD	1DB18CV038	Smar
26	SUVARNA	1DB18CV039	Sul
27	TAWSEEF AHMAD MALLAH	1DB18CV040	T. Mallel
28	TEJASHWINI C P	1DB18CV041	Jeo-
29	THARUN H C	1DB18CV042	Torren
30	UBAID AHMAD DAR	1DB18CV043	Charles
31	VANI H K	1DB18CV044	Same-
32	VLJAY MAHANTHESH G R	1DB18CV046	vigay
33	YASHAVANTH B K	1DB18CV049	Yashmante
34	CHANDAN E	1DB19CV400	Chardan
35	CHANDINI B S	1DB19CV401	Chandil-
36	MOHAMMED JAWAD	1DB19CV403	Mijand
37	MOHAMMED JAWAD	1DB19CV403	MD Stand
38	NISHANTH N	1DB19CV404	Nul
39	PAVAN	1DB19CV405	Pauran
40	POORVIKA N R	1DB19CV406	Ponriko. In R.
41	PREETHI K	1DB19CV407	Publik
42	SATHISH T C	1DB19CV408	Saturah
43	SRIHARSHA B	1DB19CV409	miharsha
44	PREETHI K	1DB19CV407	Purtho
45	VIVEK M.S	1DB19CV412	A P

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# DON BOSCO INSTITUTE OF TECHNOLOGY

Kumbalgudu, Mysore Road, Bengaluru-74, Karnataka



A REPORT

on

"Field visit to Construction of Mysore road flyover at Bidadi"

Organized by

Department of Civil Engineering, Don Bosco Institute Of Technology Kumbalgudu, Mysore Road, Bengaluru-74, Karnataka

04/12/2021

2020-2021

"Industrial Visit to Construction of Mysore road flyover at Bidadi" An Industrial visit to Construction of Mysore road flyover at Bidadi was undertaken by the students of Eight Semester [50 students], 6th Semester [28 students] and 4th Semester [20] students] B.E [Civil Engineering]. Four Staff Members namely Mr.Raghavendra D, Mr.Raghavendra R.Mr.Raghavendra N, Ms.Sudha K , Ms.Bushra Eram , Ms.Manjularani P and Mr.Mallesh Lab Instructor accompanied the student during 04/12/2021.

Photos

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## OBJECTIVE OF THE INDUSTRIAL VISIT

- To give a live exposure to the student about the process of flyover construction
- To educate about the cutting and filling of embankment in flyover construction
- To know about the importance of retaining walls
- To know the test of soil to be conducted at the site
- To read and understand the plan of the road and to make the students to understand the same.

## OUTCOME AND LEARNING FROM THE INDUSTRIAL VISIT

- Students learned about the procedure for construction of retaining wall
- How to check the soil stability
- Precautions to be taken during the construction of retaining wall ٠
- Design and construction of retaining wall ٠
- Detail procedure of reinforcement detailing with the drawings has been taught in . the field

#### BENEFITS

- Students learned about the planning of a road construction/flyover
- Students learned about the construction of retaining wall
- Students learned how to read the reinforcement drawings in the field

"Industrial Visit to Construction of Myxore road flyover at Bidadi"

Photos

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Picture showing that faculty is explaining about planning of initial stage of the flyover



Picture showing that faculty is explaining about importance of compaction before constructing flyover

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Picture showing that faculty is explaining about importance of compaction before constructing flyover



Picture showing the process of construction of retaining wall for soil stabilization

No of students Participated: - 100 Students

"Industrial Visit to Construction of Mysore road flyover at Bidadi"

### **Faculty** Accompanied

Mr.Raghavendra D, AP/Civil Mr.Raghavendra R, AP/Civil Mr.Raghavendra N, AP/Civil Ms.Sudha K, AP/Civil Ms.Bushra Eram , AP/Civil Ms.Manjularani P, AP/Civil Mr.Mallesh-Instructor Civil

> Dr. R L Ramesh HOD (Civil)

AY - 2020-2021-

### DON BOSCO INSTITUTE OF TECHNOLOGY

Kumbalgudu, Mysore Road, Bengaluru-74, Karnataka



A REPORT On

### Field visit to Sun-X Concrete RMC Plant



Organized by

Department of Civil Engineering, Don Bosco Institute Of Technology Kumbalgudu, Mysore Road, Bengaluru-74, Karnataka

04/12/2021

### 2020-2021

An Industrial visit to Field visit to Sun-X Concrete RMC Plant was undertaken by the students of Eight Semester [50 students], 6th Semester [28 students] and 4th Semester [20 students] B.E [Civil Engineering], Four Staff Members namely Mr.Raghavendra D, Mr.Raghavendra R,Mr.Raghavendra N, Ms.Sudha K , Ms.Bushra Eram , Ms.Marjularani P and Mr.Mallesh Lab Instructor accompanied the student during 04/12/2021

#### OBJECTIVE OF THE INDUSTRIAL VISIT

- To provide students with an opportunity to learn practically through interaction, working methods and employment practices.
- To give an exposure to current work practices as opposed to possibly theoretical knowledge being taught at college

#### OUTCOME AND LEARNING FROM THE INDUSTRIAL VISIT

We are also very thankful to Mr. Alvin Director operations and quality who RMC Plant has gave permission for a visit. We are also very thankful to Mr.Shiv shankar supervisor for giving us an informative guidance and gave practice based approach learning to students and shared their knowledge with students.

- Technical exposure of Concrete Technology, Manufacturing Processes and other Engineering aspects of Concrete Technology Subject.
- Students have learnt Process of making concrete, Material used in making of concrete, Test conducted.
- From this visit, students got information and practical knowledge about dry mixing, wet mixing of concrete.

- They learnt about new technology about different admixture, on site testing of concrete.
- About 100 students were benefited from this visit as they got chance to discuss with authorities working at plant.

#### BENEFITS THE VISIT

- Knowledge about the RMC working process in the field.
- How to deal with huge amount of freshly mixed concrete
- Awareness among students about advantages of RMC
- Improves students' knowledge about fastest process of mixing of concrete
- Extra awareness about applications BMCT laboratory experiments
- Knowledge about the site conditions where RMC plant proves useful
- Improved knowledge about information of use of admixtures
- RMC plant visit was beneficial to gain overall idea about elements of batching and mixing process

#### PHOTO GALLERY



Students @RMC Plant



### Supervisor explaning the plant lauout in batches



Group photo near silos



Photo near material storage units





Photo near silos



Photo near material storage units



Supervisor explaining the Process of transporting of RMC



Group photo

No of students Participated: - 100 Students

## Faculty Accompanied

Mr.Raghavendra D, AP/Civil Mr.Raghavendra R, AP/Civil Mr.Raghavendra N, AP/Civil Ms.Sudha K, AP/Civil Ms.Bushra Eram , AP/Civil Ms.Manjularani P, AP/Civil Mr.Mallesh-Instructor Civil

R. L. Rameses

Dr. R L Ramesh HOD (Civil)

## DON BOSCO INSTITUTE OF TECHNOLOGY Kumbalgudu, Mysore Road, Bengaluru-74, Karnataka



A REPORT

on

### "Field visit to Precast yard" Bengaluru

Organized by

Department of Civil Engineering, Don Bosco Institute Of Technology Kumbalgudu, Mysore Road, Bengaluru-74, Karnataka

04/12/2021

2020-2021

## "Industrial Visit to Field visit to Precast yard, Bengaluru"

An Industrial visit to Field visit Precast yard was undertaken by the students of Eight Semester [50 students]. 6th Semester [28 students] and 4th Semester [20] students] B.E. [Civil Engineering]. Four Staff Members namely Mr.Raghavendra D, Mr.Raghavendra R.Mr.Raghavendra N, Ms.Sudha K, Ms.Bushra Eram , Ms.Manjularani P and Mr.Mallesh Lab Instructor accompanied the student during 04/12/2021.

#### OBJECTIVE OF THE INDUSTRIAL VISIT

 The purpose of the site visit understand the application of precast technology in highways and bridges construction. Students had exposure to the construction, erection and execution of various precast element used in highway and bridges.

#### OUTCOME AND LEARNING FROM THE INDUSTRIAL VISIT

- Casting process of the girders
- Size and shape of panels
- Precasted grider panels
- Lifting and placing operation
- Cost involved
- Safety aspects of lifting and placing the panels.

#### ENEFITS THE VISIT

- The faculty members and engineers over there explained the detailed processes of manufacturing and production of each precast concrete component including precast columns, hollow core slabs, precast beams, tunnel segments, and other components.
- Students came to know about the benefits and advantages of using these precast components.
- Students came to know about the importance of precast technology and technical details of the same.

### "Industrial Visit to Field visit to Precast yard, Bengaluru"

Ir.Raghavendra D, Mr.Raghavendra R,Mr.Raghavendra N, Ms.Sudha K, Ms.Bushra iram, Ms.Manjularani P explained about the basic components of a bridge like abutment, wing wall, deck slab, approach slab etc. During the visit, the transportation of the Beams was in progress so the detailed and working drawing of the abutments was explained to the students. Students were also exposed to the process of reading and understanding the working drawings at the site. The students also had an opportunity to observe the reinforcement details of some elements of a bridge. The concept of weep holes, pitching was explained in detail. The challenges faced during the construction work and the methods to overcome were also discussed

#### Photos



Faculty and students with Precast Hollow utility beam beam



Faculty and students with Precast Hollow utility beam beam





Faculty explaining about the Precast Hollow utility beam



Faculty explaining about the Precast Hollow utility beam





Faculty explaining about the Precast Hollow utility beam and its transportation process.







Overhanging beam portion of the precast utility beam

The visit was concluded with vote of thanks by Prof.Raghavendra D. The site visit was very informative and the students got the feel and knowledge about the different processes required to manufacture precast elements for construction purposes

No of students Participated: - 100 Students

#### Faculty Accompanied

Mr.Raghavendra D, AP/Civil

Mr.Raghavendra R, AP/Civil

Mr.Raghavendra N, AP/Civil

Ms.Sudha K, AP/Civil

Ms.Bushra Eram , AP/Civil

M5.Manjularani P, AP/Civil

Mr.Mallesh- Instructor Civil

Dr. R L Ramesh HOD/CIVIL