



# PRAGATI ENGINEERING COLLEGE

(Autonomous)

#1-378, ADB Road, Surampalem – 533 437, Near Peddapuram, E.G Dist - A.P.  
(Approved by AICTE, Permanently Affiliated to JNTUK Kakinada & Accredited by NBA)  
(Recognized by UGC Under Sections 2(f) and 12 (b) of UGC act, 1956)  
Ph: 08852 – 252233, 252234, 252235 Fax: 08852 – 252232, website www.pragati.ac.in

## DEPARTMENT OF CIVIL ENGINEERING

Surampalem

Dt:17-09-2022



From,  
Head of the Department,  
Department of Civil Engineering,  
Pragati Engineering College,  
Surampalem.

To  
The Principal,  
Pragati Engineering College,  
Surampalem.  
Respected sir,

Sub: Request for arranging field trip to III and IV Year Students-Reg

We department of civil Engineering is planning to take the students for the field trip to “Construction of **PRE-CAST SLAB, RAMARAO PETA, KAKINADA**” (With the support of Er. Badam Sundararao Garu, Chairman of ACCE(I), Kakinada. As the work is going on, Students of III year and IV B.Tech students can gain the knowledge related to Design in the practical session. We kindly request your permission to arrange this field trip dated on 17-09-2022 to III and IV Year students.

Thanking you sir,

Yours sincerely,  
  






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## DEPARTMENT OF CIVIL ENGINEERING

Report on

### INDUSTRIAL VISIT

#### CONSTRUCTION OF PRE-CAST SLAB, RAMARAO PETA, KAKINADA

- Er. Badam Sundararao Garu, Chairman of ACCE (I) -KAKINADA

Date: 19 Sep, 2022

The Association of Consulting Civil Engineers (India), Kakinada Centre, organized an industrial visit to the "Pre-Cast Slab" facility in Ramarao Peta, Kakinada, on September 19, 2022. This event, led by Er. **Badam Sundararao Garu**, Chairman of ACCE(I) Kakinada, aimed to provide participants with practical insights into the application of pre-cast slab techniques within the construction industry. During the visit, participants explored the intricacies of pre-cast slab work, gaining valuable knowledge on how these techniques are employed in the construction of slabs for various structural projects.

Pre-cast slab construction is a significant advancement in modern construction techniques, offering numerous benefits and applications. Here's an overview of its importance:

#### Importance of Pre-Cast Slab Construction:

##### 1. Speed of Construction:

- Pre-cast slabs are manufactured off-site and brought to the construction site ready for installation. This reduces the on-site labor and time required, significantly speeding up the overall construction process.

##### 2. Quality Control:

- Since pre-cast slabs are produced in a controlled factory environment, the quality is consistently higher compared to on-site casting. Factors like mix design, curing, and dimensional accuracy are meticulously monitored, resulting in superior structural integrity.



### 3. Cost-Effectiveness:

- The reduced construction time and labor lead to cost savings. Additionally, the use of molds allows for repetitive use, further lowering production costs, especially in large-scale projects.

### 4. Durability and Strength:

- Pre-cast slabs are known for their durability, resistance to weather conditions, and long service life. The controlled production process ensures the concrete attains optimal strength, making it suitable for a variety of structural applications.

### 5. Flexibility in Design:

- Pre-cast slabs can be tailored to meet specific design requirements. This flexibility allows architects and engineers to achieve complex shapes, sizes, and finishes that might be challenging with on-site casting.

### 6. Environmental Benefits:

- The use of pre-cast slabs reduces waste generated on construction sites. Additionally, the materials used in pre-cast production can often be recycled, contributing to sustainable construction practices.

### 7. Reduced Disruption:

- Since the majority of the work is done off-site, the impact on the surrounding environment and local communities is minimized. This is particularly beneficial in urban areas where construction noise and traffic disruptions are a concern.

### Applications of Pre-Cast Slab Construction:

- **Residential Buildings:** Used for floors and roofs, providing a quick and efficient way to construct multi-story residential buildings.
- **Commercial and Industrial Structures:** Ideal for warehouses, office buildings, and factories where large spans and robust structures are required.
- **Infrastructure Projects:** Widely used in bridges, tunnels, and other infrastructure projects where uniformity and strength are critical.
- **Parking Structures:** Pre-cast slabs are perfect for constructing multi-level parking garages due to their ability to handle heavy loads and provide large open spaces.

Pre-cast slab construction is a vital method in the construction industry, offering a blend of efficiency, quality, and sustainability that is increasingly important in today's fast-paced and environmentally conscious world.









*K. Saifuddin*

PRAGATI ENGINEERING COLLEGE (A)  
HOD-CE  
CE - HOD  
SURAMPalem





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## DEPARTMENT OF CIVIL ENGINEERING

### LIST OF STUDENTS ATTENDED

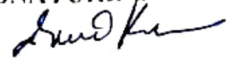
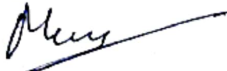
Date: 19-09-2022

SNO	ROLL NUMBER	NAME OF THE STUDENT	SIGNATURE
1	19A31A0101	Baluvuri Sai Harshitha	Harshitha
2	19A31A0102	Bokka Akshya	Akshya
3	19A31A0103	Dokkara Tejaswari	Tejaswari
4	19A31A0104	Duggada Yameema Swetha	Swetha
5	19A31A0105	Gandrala Naga Subha	G.N. Subha
6	19A31A0106	Ganta Swathi Renuka	Swathi Renuka
7	19A31A0107	Juttuka Tejaswi	Tejaswi
8	19A31A0108	Kala Jahnvi	Jahnvi
9	19A31A0109	Kota Bhagya Sri	K. Bhagya Sri
10	19A31A0110	Musinada Amrutha	Amrutha
11	19A31A0111	Nama Sri Surya Sai sadanipati	Sai Sadanipati
12	19A31A0112	Nandizolla Jahnvi	Jahnvi
13	19A31A0113	Naraina Bala Mahalakshmi	Mahalakshmi
14	19A31A0114	Tatapudi Sruthi	T. Sruthi
15	19A31A0115	Thota Satya Harshitha	T. S. Harshitha
16	19A31A0116	vaddi iswarya Rekha	V. Rekha
17	19A31A0117	Agiseti Hari prasad	H. Prasad
18	19A31A0118	Akkala Ayyappa Swamy	A. Swamy
19	19A31A0119	Bathina Ravindra kumar	R. Kumar
20	19A31A0120	Chitikena Surya Sandeep	S. Sandeep
21	19A31A0121	Danka Taraka Venkata Sai	D. T. V. Sai
22	19A31A0122	Geddam Rahul	Rahul
23	19A31A0123	Gurugudilli Raviteja	Ravi Teja
24	19A31A0125	Jakkapu Venkata Sai	V. Venkata Sai
25	19A31A0126	Kadali Syam	Syam
26	19A31A0127	Kandregula Jayadeep Sai	J. Jayadeep Sai
27	19A31A0128	Kasi Bhanu Shyam	B. Shyam
28	19A31A0129	Kattimenu Datta Surya	K. D. Surya



29	19A31A0130	Matta Sai Sumanth	M. Sumanth
30	19A31A0131	Medapati Avinash	M. Avinash
31	19A31A0133	Moka Navesh	Navesh
32	19A31A0134	Movtha neeraj	Neeraj
33	19A31A0135	Mullu Durgeshwar viray	Durgeshwarviray
3	19A31A0136	pachimalla Sunder Raj	Sunder Raj
35	19A31A0137	penumallu Sai satya-teja	P. S. Teja
36	19A31A0138	Rameswarapu surya Sanjay	R. Surya Sanjay
37	19A31A0139	Sanipilli Sai Krishna	S. S. Krishna
38	19A31A0140	Sarika Venkat	S. Venkat
39	19A31A0141	Saripalli krishna Kumar	S. K. Kumar
40	19A31A0142	Talataam Seshu Babu	T. Seshu Babu
41	19A31A0144	Teki Naveen Kranthi Kumar	Kranthi Kumar
42	19A31A0146	Gavireddy venkata Kusuma	G. V. Kusuma
43	19A31A0148	Akanaksha kanakala	A. Kanakala
44	19A31A0147	Anjali satya	Anjali satya
45	19A31A0149	R.L. Anupama	Anupama
46	19A31A0150	karanam vyshnavi	K. Vyshnavi
47	19A31A0151	Nvs sri vyshnavi	N. S. Vyshnavi
48	19A31A0153	S. V Hari Priya	S. V. Hari Priya
49	19A31A0154	V. S. V. L Praveena	V. Praveena
50	19A31A0155	Y V S S Mahitha	Y. S. S. Mahitha
51	19A31A0156	A. viray charan Reddy	Charan Reddy
52	19A31A0157	A. K. V Manikanta	Mani Kantar
53	19A31A0158	Amaladasu Nagaraju	Nagaraju
54	19A31A0159	Barla Mohan Rajesh Yadav	B. M. R. Yadav
55	19A31A0160	chatrothi sesha Sathwik	C. S. Sathwik
56	19A31A0161	CH. Rama Krishna	Ch. Rana Krishna
57	19A31A0162	D. Satish	Satish
58	19A31A0163	D. sumedh Sharma	Sumedha Sharma

SIGNATURE OF FACULTY:

- 1) 
- 2) 



## UNDERTAKING FORM

TO

The Principal,

Pragati Engineering College (A),

SURAMPALEM.

Sir,

I M. Anantha Bearing Roll No  
19A31A0110 Studying in ITLB.Tech in your college willing to go to the event  
Industrial on 19/9/22  
visit

I will stick to the program strictly as per the directions of the staff accompanying the tour. In this period I will follow the rules and regulations as mentioned below.

1. All students should assemble according to the timing's of Schedule and report to the student leader
2. Girls students should be always with the lady staff who is accompanying the tour and should not go anywhere.
3. The students should always carry their identity cards.
4. The students should follow the orders and directions of student leader and teaching staff.
5. The students should maintain discipline while in journey.
6. All students remain in group
7. Students should not to bring any laptops, floppy disks, Pen-Drives, Cameras inside the industry.
8. Students should not enter into water and other dangerous sports.
9. Students should maintain dignity and decorum at all places.
10. Should not get into argument with any person.
11. I have informed my parents regarding my participation in the above event and I will submit a letter from my parent also in this regard.

I understand that in case of any eventually the institution is not held responsible. I take my own responsibility if I don't follow these rules.

M. Anantha

7893519846

Anantha  
Signature of the student





## UNDERTAKING FORM

TO

The Principal,

Pragati Engineering College (A),

SURAMPALEM.

Sir,

I B. Sai Hanishitha Bearing Roll No

19A31A0101 Studying in 3<sup>rd</sup> year B.Tech in your college willing to go to the event  
Industrial Visit on 19/09/2022


I will stick to the program strictly as per the directions of the staff accompanying the tour. In this period I will follow the rules and regulations as mentioned below.

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I understand that in case of any eventually the institution is not held responsible. I take my own responsibility if I don't follow these rules.

K. Subhapani

9394785357

  
Signature of the student

