

**GUJARAT TECHNOLOGICAL UNIVERSITY-AHMEDABAD**  
**DARSHAN INSTITUTE OF ENGINEERING AND TECHNOLOGY RAJKOT**  
**DEPARTMENT OF CIVIL ENGINEERING**

**B.E. CIVIL -SEM-VI –**

**SUBJECT: RAILWAY BRIDGE AND TUNNEL ENGINEERING (2160603)**

**ACTIVE LEARNING ASSIGNMENTS - YEAR 2020**

**Date 13-01-2020**

- ✚ Preparation of power-point slides, which include videos, animations, pictures, graphics for better understanding theory and practical work.
- ✚ The faculty will allocate chapters/ parts of chapters to groups of students so that the entire syllabus to be covered.
- ✚ The power-point slides should be put up on the web-site of the College/ Institute, along with the names of the students of the group, the name of the faculty, Department and College on the first slide.
- ✚ The best three works should submit to GTU.

As per GTU syllabus active learning assignment has to be performed by the students. To enhance our knowledge and to cope up with industry demand one has to learn as per need of industry. The given topic will increase your presentation skill also.

**Instruction**

Prepare **10-15 slide** Power point presentation as per given topic in group (**group is as per design engg**). It is required to work in a group your presentation should be also in group. Presentation is arranged. Time allowed 15 minutes. On slide write only points. ( ppt format is attached here with).

Sr.No	Division	Date	Time
01	BBx	<b>Date and time</b> of Presentation schedule will be declared soon your time is start now it may be on any day of week, department will inform prior a week. You must follow the content as shown against your group. It is an opportunity to work in a group as normally civil engineers has to work. It is advisable to prepare presentation as early as possible as per your topic. You may ask if any doubt about site visit, content of presentation etc.	
02	BBy		
03	BBz		
04	BBd		

All the group member has to remain presents. The copy of presentation has to submit to the department before 1 week of presentation. You may also get approval of presentation as your presentation get ready.

On the day of presentation student group has to ready with ppt presentation ( No animation, Minimum font size 20)

Points should be kept in Mind ( Bring your laptop if you have):Be ready with clear understanding what you are going to present

**Do practice at home, Don't read from ppt try to speak, In all the ppt .. write points only**

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**BRIDGE ENGINEERING**

Topic No	Title of Topic	Group Number			
		Bx	By	Bz	Bd
01	Reference: Visit <b>Kesare hind bridge</b> , Measure span, Height of Bridge, width, Size of pillar- prepare sketch Take Photo of Abutment, Pillar, Wing wall, Ease water, Cut water. prepare sketch in Auto CAD and present the same --10 to 15 Slides ( Classify the bridge by showing chart – page no-12 from book Principles and practice of Bridge Engineering by S P Bindra)	Bx1	By1	Bz2	Bd1
02	Refer: Visit ROB - <b>Mahila college bridge</b> and any RUB-railway under bridge at Madhapar cross road to morbi road bridge , Measure span, Height, Wing wall, Abutment, prepare sketch in Auto CAD and present the same --10 to 15 Slides	Bx2	By2	Bz7	Bd4
03	Refer: <b>Visit Indira circle Bridge-</b> Measure Height, Rate of slope 1 in n, Girder position, Bearing location, Pier size- prepare sketch in Auto CAD and present the same --10 to 15 Slides ( Also contact the RMC authority for Raiya road under bridge and learn the alignment, its construction activity, other features and discuss with some photo in class room)	Bx3	By3	Bz10	Bd6
04	Visit railway <b>RUB</b> –Railway under bridge Measure Height, Rate of slope 1 in n, Girder position, Bearing location, Pier size- prepare sketch in Auto CAD and present the same, measure the distance of girder bottom from railway line so you may get the clear idea about construction gauge. Draw cross sectional longitudinal and perpendicular to view of bridge. <b>Site location : At bedi chokdi, The road from bedi chokdi to Ahmedabad bye pass.</b> You may also visit bridge at bedi chokdi on morbi road approach which construction activity is going on for site visit only	Bx4	By4	BZ11	Bd9

**(During visit take due care for your safety-, This is for improvement in understanding of bridge component, Visit in 1 ,2 or 3 group, Need not to stop any public activity, Before going Below bridge see the ground soil stability and check for height of water if any)**

Measure tape ( 30 mt) will be available from the Civil Department ,Contact Mr. Mehul Bambhania- G -205

Use measure tape carefully during stretching and widening – submit tape within 3 days as in given condition.

## TUNNEL ENGINEERING

Topic No	Title of Topic	Group Number			
		Bx	By	Bz	Bd
05	Refer :Development in Tunnel Boring Machine- Refer <i>Civil Engineering and Construction Review</i> magazine in <b>library</b> Issue May-2016 Page 42 You may also refer other useful company/organization website ...which is associated with tunnel construction and present ( refer paper <a href="https://www.researchgate.net/publication/280777431_TUNNELS_AND_TUNNELING_OPERATIONS_INTRODUCTI_ON_TO_OLD_AND_NEW_ERA">https://www.researchgate.net/publication/280777431_TUNNELS_AND_TUNNELING_OPERATIONS_INTRODUCTI_ON_TO_OLD_AND_NEW_ERA</a>	Bx5	By5	Bz4	Bd3
06	Refer :Deepest tunnel - Refer <i>Civil Engineering and Construction Review</i> magazine Issue June-2016 Page 12 in <b>library</b> You may also refer other useful company/organization website ...which is associated with tunnel construction and present Please refer <a href="https://en.wikipedia.org/wiki/Tunnel_boring_machine">https://en.wikipedia.org/wiki/Tunnel_boring_machine</a> Study TBM for hard rock and soft rock, Explain what is mucking ? Refer :Best way to water proof a Tunnel - Refer <i>Civil Engineering and Construction Review</i> magazine Issue July-2016 Page75 and also refer page 78 in <b>library</b> You may also refer other useful company/organization website ...which is associated with tunnel construction and present Refer link <a href="http://www.creg-germany.com/">http://www.creg-germany.com/</a>	Bx6	By6	Bz5	Bd10
07	Refer : Tunnel ventilation, lighting, safety, drainage in tunnel Water proof of tunnel refer in library <i>Civil Engineering &amp; Construction Review</i> 31-1,2,3 Jan-Feb-Mar 2018=3 TUNNELING Reliable Waterproofing System For Tunnels, <b>Location in library -624.0685</b> <b>You may also refer space saving drainage of tunnel</b> <a href="https://www.tunntech.com/index.php/technology-news/tunnel-technology-2/construction-2/item/73-space-saving-drainage-for-tunnels">https://www.tunntech.com/index.php/technology-news/tunnel-technology-2/construction-2/item/73-space-saving-drainage-for-tunnels</a>	Bx7	By7	Bz9	Bd11

(During visit take due care for your safety-, This is for improvement in understanding about tunnel, Contact in library ...journal is available in journal section...ask librarian)

Measure tape ( 30 mt) will be available from the Civil Department

Contact Mr. Mehul Bambhania- G -205

Use measure tape carefully during stretching and widening – submit tape within 2 days as in as given condition.

## RAILWAY ENGINEERING

## Chapter 1

Topic No	Title of topic	Group Number			
		Bx	By	Bz	Bd
08	Visit nearest railway track and measure Gauge, (Draw C/S ) Measure Width and Height of embankment, ballast Measure Rail dimension draw sketch, Find joints and measure rail length. Measure sleeper dimension, calculate number of sleeper in 100 mt length calculate sleeper density ( Find number of sleeper in one rail length). See rail fixtures – Fish plate, pandrol clip, rubber pad, spikes if any See the ballast and do grading ( sieve analysis). Do the gradation of ballast on site and collect samples from nereby ballast storage and do the impact, Water absorption and gradation test ( you may do onsite also find % passing and retain- do atleast three trial and do the average of three) in institute lab on sample show the test results.	Bx8	By8	Bz1	Bd2
Topic No	Title of topic Chapter 2, 3 and 4	Group Number			
		Bx	By	Bz	Bd
09	Visit nearest Railway track and find curve section- see the super elevation measure super elevation in mm by suitable means. Measure Gradient in 100 mt length of track using PVC –level tube and report the same. see the the track where two track change the direction – measure negative super elevation. See the sleeper spacing and other fittings.  Visit nearest Railway track – see the points and crossing- understand clear idea, draw the sketch Visit Railway stations - requirements, facilities, classifications, platforms, loops, sidings ,Railway yards – types, required equipments in yards draw a line sketch of station also visit the yard and ask the question about task associated at yard ( draw line plan) measure height of platform from top of railway line on BG and MG track understand the current signalling system on railway station - Types of signal, its location, its requirement., Study home signal, warner signal, stop signal	Bx9	By9	Bz3	Bd5
Topic No	Title of topic - Chapter 4	Group Number			
		Bx	By	Bz	Bd
10	Visit nearest Railway track- see the Rajkot junction drainage arrangement – ask the authority and ask their system of drainage and problems with current system if any. Collect the data of MEGA ( Metro link between Gandhinagar and Ahmedabad) and present the highlights of system and current development up to date refer <a href="http://www.gujaratmetrorail.com/">http://www.gujaratmetrorail.com/</a>	Bx10	By10	Bz6	Bd7
11	Collect the DMRC ( Delhi Metro Rail corporation) information from their web site and present the details of routes, speed, headway, route length, ticketing system etc.( Information booklet is available with me you may collect the same) Visit <a href="http://www.delhimetrorail.com/">http://www.delhimetrorail.com/</a> collect its engineering information  Discuss about maintenance of railway track and recent accident occur near Indore its probable cause and remedies. Suggest current practice of railway track maintenance, machinery used in track maintenance. Suggest your views for preventing accidents please refer <a href="http://troindia.in/journal/ijcesr/vol4iss10part2/67-71.pdf">http://troindia.in/journal/ijcesr/vol4iss10part2/67-71.pdf</a>		By11	Bz8	Bd8

**(During visit take due care for your safety-, This is for improvement in understanding of Railway component, Visit in 1 or 2 group, Need not to stop any public activity ( Like stop the traffic on road), Before going to underside of bridge see the ground soil stability and check for height of water)**

<b>Semester-VI- Class- Bx</b>			
<b>Roll No.</b>	<b>Enroll. No.</b>	<b>Name</b>	<b>Group ID</b>
124	170540106021	DETHARIYA SAGAR MASARIBHAI	BX-1
136	170540106034	GOVINDIA KISHAN PIYUSHBHAI	
122	170540106019	DELVADIA AKHILKUMAR RAMESHCHANDRA	
115	170540106010	CHANDEGRA ASHISHKUMAR PRAVINBHAI	
127	170540106024	DODVADIYA PRASHANT HEMATBHAI	
154	170540106060	LATHIYA ANIKET MAHESHBHAI	BX-2
121	170540106018	DEDAKIYA BHARGAV RAJESHBHAI	
107	170540106001	ADESARA PRATIK VRAJESHKUMAR	
137	170540106035	GUJARATI UTSAV RAMESHBHAI	
118	170540106015	CHOTALIYA HARSHIT DILIPBHAI	
114	170540106008	BHARADIYA AMAN BHARATBHAI	BX-2
145	170540106045	KACHHADIA VISHWA KISHOR	
120	170540106017	DAMANIYA MAYANK BHAGVANDAS	
139	170540106037	HIRANI YASH NILESHBHAI	
138	170540106036	HINGORA TANVEER RASHID	
140	170540106039	JAVIYA RASHESHKUMAR MAGANBHAI	Bx-3
131	170540106028	GADHVI ABHIJEETDAN KIRITDAN	
133	170540106030	GAMI DENISH JAGDISHBHAI	
134	170540106031	GAMI YASHKUMAR ARVINDBHAI	
112	170540106006	BHADJA RAMESH JADVJIBHAI	
101	180543106038	KAVAR JIMMY PRANJIVANBHAI	Bx-4
141	170540106041	JETHVA DARSHIT SHAMJIBHAI	
149	170540106052	KATHIRIYA SAHIL MUKESHBHAI	
128	170540106025	DOLERA HARDIK PRAKASHBHAI	
135	170540106033	GOHIL PRAVINKUMAR MALSHIBHAI	
126	170540106023	DODIYA ROHIT SUBHASHBHAI	Bx-5
119	170540106016	DADHANIYA MEET RAJESHBHAI	
142	170540106042	JODHPURA SANJIL JIGNESH	
153	170540106058	KURESHI MOHIN GULABBHAI	
144	170540106044	KACHA RAHUL BHARATBHAI	
123	170540106020	DESAI TRUNAL NITESHBHAI	Bx-6
132	170540106029	GAJERA SHUBHAM SANJAYBHAI	
152	170540106055	KHUNT KEVAL DHIRAJLAL	
108	170540106002	BADI ANISH IKBALBHAI	
117	170540106014	CHAWDA UTKARSH ATUL	
151	170540106054	KHUMAN DHANRAJ VALKUBHAI	Bx-7
156	170540106063	LOHIYA RAHILBHAI RAHIMBHAI	
102	170540106050	KANANI HILONI DHIRENDRAKUMAR	
105	170540106105	SENJALIYA NEHA KIRITBHAI	
146	170540106046	KAKADIYA PARTH HIMANSHUBHAI	
147	170540106047	KAKADIYA RAJAN ASHOKBHAI	Bx-8
148	170540106048	KALARIYA ANANDKUMAR ASHOKBHAI	
106	170540106126	VIRANI YOGINI RAMESHBHAI	
109	170540106003	BAROCHIYA KETU ASHVINBHAI	
110	170540106004	BAVALIYA JAY GHANSHYAMBHAI	
116	170540106013	CHAVDA VATSAL DHARMENDRAKUMAR	Bx-9
155	170540106062	LODHIYA VATSAL PARESH	
111	170540106005	BECHARA BRIJESH VIJAYBHAI	
130	170540106027	FALDU RUTVIKKUMAR CHANDULAL	
113	170540106007	BHALODIYA YASH BHARATBHAI	
103	170540106061	LIMBADIA HETVEE TUSHARBHAI	Bx-10
104	170540106078	NAMERA NIDHIBEN NITINBHAI	
143	170540106043	JOLAPARA MANAV JAGDISHBHAI	
125	170540106022	DHANDHUKIYA NIRAV PARESBHAI	
129	170540106026	DONGA ABHISHEK JITENDRABHAI	

<b>Semester-VI- Class- By</b>			
<b>Roll No.</b>	<b>Enroll. No.</b>	<b>Name</b>	<b>Group ID</b>
233	170540106099	RAVAL TIRTH JATIN	By-1
234	170540106100	ROKAD BHARGAV SURESHBHA	
239	170540106107	SHEKHLIYA HARDIK HARESHBHA	
221	170540106085	PARMAR JAYKISHAN MAHESHBHA	
257	160540106015	BHARMAL MANNAN MUSTAFABHA	
202	170540106065	LUVAN SAGAR JABBARBHA	By-2
212	170540106075	MEER DHIREN JAGADISHBHA	
215	170540106079	NANDASANA DINESHKUMAR TARSHIBHA	
217	170540106081	PANDYA SWAPNIL NIRAJKUMAR	
232	170540106098	RATHOD JAY JAGDISHKUMAR	
218	170540106082	PARKHIYA VISHAL DAMJEEBHA	By-3
253	170540106124	VASANI DIVYESH SURESHBHA	
207	170540106070	MAKWANA BHAUTIK SURESHBHA	
254	170540106125	VEKARIYA DHARUVIN ASHOKBHA	
245	170540106116	TANK MIHIR SUNILBHA	
204	170540106067	MAKADIYA RUTVIKKUMAR DIPAKBHA	By-4
216	170540106080	PANCHOTIYA KHUSHAL SHAILESHBHA	
236	170540106102	SANGHANI SMITKUMAR ARVINDBHA	
247	170540106118	THORIYA DHARUVKUMAR HITESHBHA	
252	170540106123	VAMJA YAGNIKKUMAR SHANTILAL	
227	170540106093	RAMAVAT DARSHAN VINAYKANT	By-5
206	170540106069	MAKVANA HITKUMAR MANSUKHBHA	
201	170540106064	LUNAGARIYA JAIVIN JAGADISHBHA	
238	170540106106	SHAH VIHAN NITIN	
251	170540106122	VALANI SHIVAM HARESHBHA	
248	170540106119	THUMMAR RUTVIK SURESHBHA	By-6
249	170540106120	VADARIYA DEEP VINODRAY	
240	170540106110	SODHA PRATAPSIKH NARSINH	
250	170540106121	VADEKHANIYA MILANBHA RAYMALBHA	
242	170540106112	SOJITRA DHARUVIN ASHOKBHA	
208	170540106071	MANANI VYOM RAMESHBHA	By-7
237	170540106103	SANGHVI DHARUVIL SANJAYKUMAR	
228	170540106094	RANIPA RACHIT NITESHBHA	
230	170540106096	RATANPARA DHARUV KIRITBHA	
255	170540106127	ZALA ABHIJITSINH PRADYUMANSINH	
224	170540106089	RADADIYA HIMANSHU DHIRUBHA	By-8
205	170540106068	MAKATI KHUZEMA ABBASI	
219	170540106083	PARMAR DHIMANT DILIPBHA	
226	170540106092	RAMANI KIRTAN MAGANBHA	
231	170540106097	RATHOD JASH MANOJBHA	
210	170540106073	MARAVIYA KELVIN PRAFULBHA	By-9
211	170540106074	MARAVIYA SANDIP DHIRUBHA	
214	170540106077	MEGHANI TUSHAR MUKESHBHA	
203	170540106066	MAKADIYA RUTVIK GOPALBHA	By-10
209	170540106072	MARADIYA RUTVIK RAMESHBHA	
213	170540106076	MEGHANI KISHAN VINODBHA	
241	170540106111	SOJITRA AKASH HASMUKHBHA	
235	170540106101	SANCHANIYA NIKHILKUMAR JAYSUKHBHA	
222	170540106086	PARMAR PINANK VALJIBHA	By-11
223	170540106088	PITHADIYA DEVANG KAMLESHBHA	
229	170540106095	RANPARA AAKASH RAJESHBHA	
225	170540106090	RAMANI BHAVDEEP MADHUBHA	
243	170540106113	SOJITRA HARDIK ARUNBHA	

<b>Semester-VI- Class- Bz</b>			
<b>Roll No.</b>	<b>Enroll. No.</b>	<b>Name</b>	<b>Group ID</b>
325	180543106026	JADEJA JAYJEETSINH SUKHDEVSIKH	Bz-1
323	180543106024	GHAVIDA DHRUMIL NAVNITBHAI	
320	180543106021	FALIYA AVINASH ISHWARBHAI	
354	180544106001	DUDHAREJIA PARTH SATISH	
328	180543106032	JOGAL SURAJ NARANBHAI	
317	180543106017	DATTANI DHRUVIT ASHOKBHAI	
326	180543106030	JAGTIYA HARDIK KETANBHAI	Bz-2
332	180543106036	KANZARIYA DIPEN HITESHBHAI	
334	180543106039	KHANDHAR SACHIN JAGDISHBHAI	
315	180543106015	DAGARA ATUL DEPARBHAI	
349	180543106058	MOON BHAVESH JIVABHAI	
316	180543106016	DAMANI ABHISHEK MAHESHBHAI	Bz-3
319	180543106020	DUDHAREJIYA SHIVARAM CHETANBHAI	
338	180543106044	LIMBASIYA NIRAV MUKESHBHAI	
305	180543106005	ARJUNRAJ RAMMURTI	
321	180543106022	GANATRA DHRUV PRADIPBHAI	
302	180543106002	AMRUTIYA JAYKUMAR NANDLALBHAI	Bz-4
337	180543106042	KUNKANA HARSH ASHWINBHAI	
339	180543106047	MAKADIYA HARSHKUMAR RATILAL	
346	180543106055	MARADIYA NIL BHARATBHAI	
350	180543106059	NADIYAPARA DIPEN PRAVINBHAI	
301	180543106001	ADESARA AKSHAY KAMLESHBHAI	Bz-5
303	180543106003	ANADKAT SHUBHAM PRASHANTBHAI	
311	180543106011	CHANGANI JAYDIP GANESHBHAI	
330	180543106034	KALARIA RAVIKUMAR HITESHBHAI	
336	180543106041	KOTHARI PRINCE BIPINBHAI	
304	180543106004	APARNATHI DHAVALGIRI DINESHGIRI	Bz-6
306	180543106006	BAGDA CHETAN JAYANTILAL	
322	180543106023	GAUDANI AMIT BHARATBHAI	
312	180543106012	CHAUHAN DHARMESHKUMAR AMARSHIBHAI	
345	180543106054	MALIYA MILAN RAMADE	
329	180543106033	JUNGI NIRAJ RAJESHBHAI	Bz-7
333	180543106037	KARIYA NIKUNJ MAHESHBHAI	
335	180543106040	KHETANI VAIBHAV HIRENKUMAR	
341	180543106049	MAKVANA KUNDAN RAMJIBHAI	
347	180543106056	MEHTA NAIMISH NARENDRABHAI	
324	180543106025	HINDOCHA MILAN VIMALKUMAR	
309	180543106009	BODA JAIVINKUMAR JAYESHBHAI	Bz-8
331	180543106035	KANAKHARA NISHIT YOGESHKUMAR	
340	180543106048	MAKAWANA VATSAL DILIPBHAI	
313	180543106013	CHAUHAN PARESH ASHOKBHAI	
310	180543106010	BODA SAGAR DAHYABHAI	
344	180543106052	MAKWANA ROHIT NARSANBHAI	
327	180543106031	JAKASANIYA NIKHIL VASANTLAL	Bz-9
343	180543106051	MAKWANA NIRANJAN PRAVINBHAI	
318	180543106019	DHOKIYA URVISH ASHOKBHAI	
342	180543106050	MAKWANA JAYDIP JENTIBHAI	
308	180543106008	BHUVA PARTH SANJAYBHAI	
348	180543106057	MEHTA RAVI SHAILESHBHAI	Bz-10
314	180543106014	CHOTALIYA JAY NARENDRABHAI	
351	160540106026	DESAI RANKIT JAGADISHBHAI	
353	160540106108	RATHOD MANTHAN ISHVARBHAI	
355	160540106060	KAMANI SHUBHAM HASHMUKHBHAI	
356	150540106067	JAKHOTRA MAHESHKUMAR BABUBHAI	Bz-11
	160540106083	MERJA BHAVYAKUMAR JIVRAJBHAI	

<b>Semester-VI- Class- Bd</b>			
<b>Roll No.</b>	<b>Enroll. No.</b>	<b>Name</b>	<b>Group ID</b>
404	180543106063	NIRMAL NIRAV SHAILESHBHAI	BD-1
434	180543106096	TRAMBADIA YASH PRAVINBHAI	
420	180543106082	SAVLIYA KISHAN HIRABHAI	
401	180543106060	NAGLANI UDIT BHARATBHAI	
421	180543106083	SHETH POOJAN MEHULBHAI	
416	180543106077	RAGHVANI KISHAN DAYALJIBHAI	BD-2
432	180543106094	THAKKAR JAY JITENDRABHAI	
412	180543106073	PATEL SARANG RAMESHBHAI	
430	180543106092	TANK NIMESH NARANBHAI	
441	180543106103	VALANI SHUBHAM MAHENDRABHAI	
406	180543106065	OEDRA RAJESHKUMAR MANUBHAI	BD-3
405	180543106064	OEDARA MOHIT DIPAKBHAI	
414	180543106075	PITRODA JAY PRAKASHBHAI	
433	180543106095	THANKI PARITOSH RAJENDRA	
437	180543106099	VAGHASIYA SHREEDHAR SURESHBHAI	
409	180543106070	PARMAR HARSH BHANJIBHAI	BD-4
425	180543106087	SODINGALA DILIP HASMUKHBHAI	
418	180543106080	SAVALIYA YASH BHUPATBHAI	
417	180543106079	RATHOD BHAVIK SHAILESHKUMAR	
440	180543106102	VAGHELA NIKUNJ RAMESHBHAI	
447	180543106109	ZALA YASHARAJ SINH JORAVARSINH	BD-5
427	180543106089	SOLANKI DHARAV DHARMENDRABHAI	
419	180543106081	SAVANIYA JITESH ODHAVJI	
435	180543106097	VADALIYA SAVAN BHARATBHAI	
445	180543106107	VORA MAHESH KAMLESHBHAI	
411	180543106072	PARMAR SAHIL DILIPBHAI	BD-6
407	180543106067	PANDYA PARTH ASHWINBHAI	
415	180543106076	PRUCHCHHAK PRANAVBHAI VIJAYBHAI	
422	180543106084	SHINGAL PARAS JETHABHAI	
439	180543106101	VAGHELA MILIND KIRITBHAI	
402	180543106061	NAKUM BHAVESH GOPALBHAI	BD-7
403	180543106062	NAKUM YASH SURESHBHAI	
436	180543106098	VAGHASIYA RAJAN MAHENDRABHAI	
424	180543106086	SODHA JATINKUMAR RANCHODBHAI	
410	180543106071	PARMAR PIYUSH AMRUTLAL	
446	180543106108	VORA PARTH BHARATBHAI	BD-8
443	180543106105	VASANI CHIRAG RAJESHBHAI	
423	180543106085	SIDAPARA SANKET MANSUKHBHAI	
426	180543106088	SOLANKI ASHUTOSH RAJESHBHAI	
408	180543106068	PARMAR AMIT ARJANBHAI	
413	180543106074	PILOJPARA HARSH NARENDRABHAI	BD-9
428	180543106090	SOLANKI YOGESH GOVINDBHAI	
450	160540106099	PUJARA JAYDIP VIJAYBHAI	
453	170543106041	JOSHI BHAVYKUMAR BHAVESHBHAI	
429	180543106091	TANK AKASH NILESHBHAI	
431	180543106093	TANK YASH DEVRAJBHAI	BD-10
438	180543106100	VAGHELA AKSHAY DILIPBHAI	
442	180543106104	VARU DHARMIK GORDHANBHAI	
449	160540106045	GOVANI NISARG PRAVINCHANDRA	
451	160540106101	RAIYANI HARSH RAJESHBHAI	BD-11
452	160540106135	VALVA RAHUL ASHOKBHAI	
444	180543106106	VEGAD RAJ KIRITBHAI	