

**Smt. S.R. Patel Engineering College takes outstanding measures at Patan Innovation Sankul to ensure each of the final year students do innovative projects and hence extended all possible resource support to each of them.**

Given a proper ecosystem every engineering student can innovate beyond imagination and this belief drives the academic teams of Patan Innovation Sankul. To harness the best possible efficiency the colleges have come up to analyze even basic needs and started supporting every project team. Prof Ameer Shah, Co-chairman of Patan innovation Sankul have taken active steps during the efforts of GTU Innovation Council and ensured that each final year students and corresponding project guide know-feel and deliver as expected by the innovation Sankul. They have arranged series of meetings involving faculty guides, industry experts and students to even add many policy innovations in addition to basic guidelines provided by GTU Innovation Council.

Industrial Shodh Yatra was organized by SRPEC during regular term too in free days in which students have got the opportunity to gain some relevant experience before leaving the campus. The Industrial visits for students from all the disciplines are totally sponsored by the Institute. The visit was designed to have some form of work experience while studying at college, in a reputable engineering firm related to his/her course of study. It has facilitated the students to be uncovered to the working experience in Industries and at the same time it has also amplified the mental and inventive horizon of the students.

Under the leadership of the chairman of SRPEC and Co-Chair Academic Prof Ameer Shah students were also given chance to train themselves in their respective field through field Training during summer industrial Shodh Yatra in which total **108** students were involved. **Here 2, 32,195 Rs was spent by the institute for different expenditures of food, accommodation and to purchase required equipments for the training to make them ready to attempt to solve their IDPs right from the beginning of 7<sup>th</sup> Semester.** It was aimed at giving students the opportunity to have work experience and practically apply the theoretical concepts learnt in the classroom. It has enabled them to be useful to their employers both theoretically and practically and will help them promptly fit into the industry after completing their engineering study as claimed by the Co-chair Academic of Patan Innovation Sankul.



At the very beginning of the 7th Semester the Udsiha Club coordinator and Principal invited Mr. Hiranmay Mahanta, Hon Director GTU Innovation Council and they brainstormed with the entire final year student community and faculty members. Prof Ameer Shah ensured that each faculty member of the college maintains relationship with an industry/MSME so that each student gets an IDP/UDP right before the 7th semester. While interacting students get a clear idea those even small efforts like helping a cottage industry by IT enabling them may be a good project as it can create value for many. They were convinced that it's not the size of the output but the size of the effort which will impact hugely as a measure of success.

# GTU INNOVATION COUNCIL

www.gtuinnovationcouncil.ac.in

Smt. S. R. Patel Engineering College, Dabhi – Unjha

## Industrial Shodh Yatra Details B.E. Semester VII Mechanical Engineering

Resource supports were given for students to develop prototypes and necessary expenses to make the IDPs/UDPs better produce.

Group No.	Detail Address of Company With Contact no. of Addressed Person / Concerned Person	Student Name	Roll No.	No. of days	Actual Expenditure to be paid by institute (Rs.)	Supervising Faculty
1	Elecon Engineering Company Ltd. Anand Sojitra Road Vallabh Vidyanagar - 388120 Gujarat India. Mr. Akhil Shah Mo.9727742749 (Marketing Manager)	PATEL HIRALKUMAR NATVARLAL	09ME30	15	2500/-	Prof. M. P. Rajpara
		OZA SURAJ KIRITKUMARBHAI	09ME12		2500/-	
		PATEL NISHANTKUMAR BALDEVBHAI	09ME38		2500/-	
2	Nova Petrochemicals Limited Survey No. 396/403, Moraiya Village, Sarkhej - Bavla Highway, Ahmedabad - 382 210.	PATEL HARSHILKUMAR MUKESHBHAI	09ME29	13	2325/-	Prof. P. M. Patel

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	Gujarat, INDIA.  Mr. Mukesh Patel Mo No: 98256 79878	JOSHI MIHIR BHOPENDRAKUMAR	09ME39		2325/-	
3	Welspun Steel Ltd. Survey No.650,  P.O. -Versamedi, Tal. - Anjar,  Dist.: - Kutch, Gujarat -  370 110, INDIA  Mr. Gulab Rajgor  Mo-98792 03719 (HR Manager)	PATEL JAIMINKUMAR  RAMESHBHAI	09ME21	18	2500/-  2500/-	Prof. H. C. Patel
4	INDO GERMAN TOOL ROOM Plot No.5003, Phase-4,  GIDC, Vatva  Ahmedabad - 382445.  HR Manager	PRAJAPATI UNNATKUMAR JAGDISHBHAI	D10ME02	15	1440/-	Prof. R. V. Chaudhary

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Smt. S. R. Patel Engineering College,

Dabhi – Unjha

Industrial Shodh Yatra Details

B.E. Semester VII

Computer Engineering

Group No.	Detail Address of Company With Contact no. of Addressed Person / Concerned Person	Student Name	Roll No.	No. of days	Actual Expenditure to be paid by institute (Rs.)	Supervising Faculty
2	Regional Telecom Training Centre(BSNL), On Sarkhej Gandhinagar Highway, Near Gota Cross Road, Jagatpur, Ahmedabad - 382481 Contact No: (02717) 241400 Email: rttcahmedabad@bsnl.co.in	Aalap Desai	09CE05	25	2500/-	Prof. A.V Panchal
		Bina Mevada	09CE06		2500/-	
		Himalay Patel	09CE10		2500/-	
		Khushbu Ramani	09CE48		2500/-	
		Nikita Shah	09CE51		2500/-	
		Nikunj Solanki	09CE52		2500/-	
		Nikhil Rathod	09CE49		2500/-	

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4	Web Revolution 26, Swastik House, Near Navarangpura Railway Crossing, Ahmedabad. Mr. Tushar Patel (Manager) Mo: 982593891	Suvas Ranjansingh	09CE54	24	2500/-	Prof. C. P. Chudasama
		Ashok Thakor	09CE55		2500/-	
		Jignesh Khinchi	D10CE07		2500/-	
		Ashvin Kavad	D10CE08		2500/-	
		Vikas Prajapati	P11CE01		2500/-	
		Vikram Patel	P11CE02		2500/-	

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Smt. S. R. Patel Engineering College,

Dabhi – Unjha

Industrial Shodh Yatra Details

B.E. Semester VII

Computer Engineering

Group No.	Detail Address of Company With Contact no. of Addressed Person / Concerned Person	Student Name	Roll No.	No. of days	Actual Expenditure to be paid by institute (Rs.)	Supervising Faculty
1	JAYANT CIRCUIT Plot no.B-63,GIDC, Electronic Estate, Sector-25, Gandhinagar -382044 Mr.Kaushik Patel (HR Manager)	PATEL LAKSHANK NATVARLAL	09EC40	15	2500/-	Prof. P. P. Patel
		PATEL NARENDRA KANUBHAI	09EC42		2500/-	
		PATEL NILESHKUMAR RAMESHBHAI	09EC44		2500/-	
2	Ericsson india global services Pvt. Ltd. 304,3rd Floor, Raindrops building opp. Cargo Motors C.G.Road Ahmedabad Mr.Sanjay Kanzariya (Eng.Transmission planning) Mo:- 94089 42312	RATHOD NEHA BARATBHAI	P11EC02	31	2500/-	Prof. J.R.Patel
4	Amtech Electronics Plot no.E-06 GIDC, Electronic Estate, Sector-25, Gandhinagar -382044 Mr.Vivek Amin (Production Engg.) Mo:-90168 61887	AMIN MAULIKKUMAR VINODBHAI	09EC01	31	2400/-	Prof. R.P.Patel

Smt. S. R. Patel Engineering College, Dabhi

EVENT PARTICIPATION OF CIVIL-6<sup>TH</sup> SEM.

EVENT DATE: 5<sup>TH</sup> APRIL, 2012

*“The First National Innovation Competition of Young Technologists (Yuva Yantriks)”, IIM-A*



**Students of SRPEC Explaining their Innovative idea for the presented Model during the Event ‘Yuva Yantriks’**

Students from 6th Civil of Smt. S. R. Patel Engineering College (SRPEC) Dabhi, Unjha along with a supervising faculty participated in the “The First National Innovation Competition of Young Technologists—Yuva Yantriks”, on 5th April 2012, at IIM – Ahmedabad.

Entries from various engineering colleges and technical institutes were short-listed from all over the county. SRPEC was among the only three engineering colleges in Gujarat, which got selected to participate and present their ideas during the competition. The participating students presented four different working models based on their innovative ideas.

**Models Presented:**

Four different working models were presented during the competition, viz.

1. Computerised Security System, Rakshitayam—Safe Home. It is a combined system to protect the home automatically from Fire and Theft.
2. Auto Missile— Launcher, Vajra Missile. In this model the launching process is done using Robotics
3. A Seismograph. A device developed with

simple materials to record earthquake and ground motion in a particular direction as a function of time

4. Automatic Rain Measurement— A highly précised Tipping Bucket Rain Gauge was developed.



**SRPEC Participants with their Model**

**ABOUT THE COMPETITION :**

- ◆ The event was organized by “Society for Research and Initiatives for Sustainable Technologies and Institutions (SRISTI)”
- ◆ Best entries were given “Gandhian Young Technological Innovation Awards”



**PARTICIPANTS**

*Anant Patel, Brijesh Patel,*

*Hiren Patel, Mayank Patel,*

*Satish Patel, Umesh Patel*

*& Vaibhav Patel.*

**SUPERVISING FACULTY**

*Prof. Harshad Patel*

Visit Date: 3<sup>rd</sup> April, 2012

11:30 A.M. to 03:30 P.M.

## Industrial Visit Civil–4<sup>th</sup> Sem.

### Objective of Visit:

- To perform and learn various aspects of contouring.

### *Visit to Ambaji – Banaskantha, North Gujarat*

On 3<sup>rd</sup> April 2012, the students from 4<sup>th</sup> Civil of Smt. S. R. Patel Engineering College Dabhi, Unjha along with 3 faculty members went Ambaji, North Gujarat for contouring. They reached their destination at 11:30 and started their activities within short time.

The contour maps thus developed has widespread applications in various fields of civil and other engineering.

The complete group of students was divided into three teams which were headed by each faculty member. Each group has taken readings at one of the pre-defined three stations A, B and C at the site. Then the team adjusted the instrument and performed centering and leveling. North was taken as 0°0' by station A



Students and faculty with equipments at contouring site, Ambaji

and after that angle ABC, BCA were measured. Station A was taken as a reference station. Upper surface of stable stone was taken as a bench mark for all stations. Each member of a team was involved in taking reading, writing the record, making linear measurements and arranging the ranging rods and staff. The visit was fruitful in explaining the methodology to the students.

### *Faculty in-Charge*

*Prof. Paresh Patel*  
*Prof. Sailesh Patel*  
*Prof. Anrutlal patel*  
*(Civil-Department)*

### *Site Detail*

#### **Address:**

Ambaji,  
Banaskantha,  
North Gujarat

Visit Date: 4<sup>th</sup> April, 2012

10:30 A.M. to 04:00 P.M.

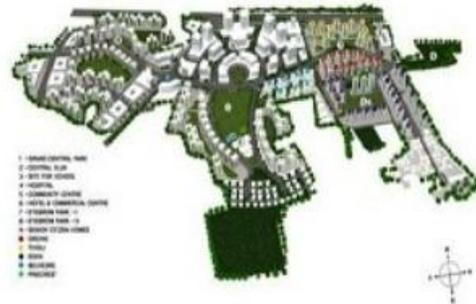


**Objective of Visit:**

- To make the students aware of various aspects of residential construction through construction site visit.

*Visit to Modern Godrej Garden City, Ahmedabad*

On 4<sup>th</sup> April 2012, the students from 4<sup>th</sup> Civil of Smt. S. R. Patel Engineering College Dabhi, Unjha along with 2 faculty members went on a industrial visit to Godrej Garden City, Ahmedabad. They reached their destination at 10:30 A.M. and first met Project Manager Godrej Garden City Mr. Naman Jani. He made them aware about the concept of the Garden city and explained the special features of the city.



Plan Map of Godrej Garden City

The students were first taken to the Concrete Batching Plant under the super vision of one of the site engineer. Later they also visited the foundation of the construction site.

The visit was informative in providing the knowledge of advanced construction technology. During the complete visit proper care was made for the safety of the students

**Faculty in-Charge**

Prof. Paresb Patel  
Prof. Sailesh Patel  
(Civil-Department)

**Site in-Charge**

Mr. Naman Jani,  
(Project Manager,  
Godrej Garden City )  
Mr. Rahul Pandya,  
Mr. Sunil Patel,  
(Asst. Engineer, In stup  
Consultancy)

It planned to be designed as a small city in Ahemdabad, which contains:

Grand central park, Central club, Site for school, Hospital, Community centre, Hotel & commercial space, Eyebrow park-1, Eyebrow park-2 and Senior citizen homes.

*Site Detail*

**Address:**

Godrej Garden City,  
Behind Nirma University,  
S.G. Highway,  
Ahmedabad-380001,  
Gujarat

Visit Date: 7<sup>th</sup> April, 2012

02:30 P.M. to 05:00 P.M.



**Objective of Visit:**

- To gather knowledge and information about principle systems of Railway and Railway Traffic System.

*Visit to Railway Museum, Baroda*

All the students from 6<sup>th</sup> Civil of Smt. S. R. Patel Engineering College Dabhi, Unjha along with 2 faculty members went on a industrial visit to Railway Museum, Baroda on 7<sup>th</sup> April 2012. They reached their destination at 02:30 P.M. and met Museum In-charge Mr. Kulkarni. He made them aware about the functioning of Railway and its history.



**Faculty in-Charge**

*Prof. Paresh Patel  
Prof. Sailesh Patel  
(Civil-Department)*

Students were guided through the railway model room. Students came to know about the types of Engines, Signals, Rails, Lines, Interlocking, Gates, Crossings and Breaks.

**Students with Museum In-Charge at  
Railway Museum, Baroda**

As a whole the visit was very informative and interesting, as it not only provided the relevant information of the working of the railways but also given an opportunity to look closer to the most fascinating mode of transportation.

**Site in-Charge**

*Mr. Kulkarni,  
(Railway Museum In-charge)*

They were also described about the communication between two Station Masters.

*Site Detail*

**Address:**

Railway Museum,  
Vadodara,  
Gujarat

Visit Date: 3<sup>rd</sup> April, 2012

9:30 A.M. to 12:30 P.M.



**Objective of Visit:**

- To gather knowledge and information about principle systems Dharoi dam its water collection, purification, filtration and supply to surrounding villages for drinking purpose

**Faculty in-Charge**

*Prof. J. R. Patel*  
*Prof. D. D. Patel*  
(Civil-Department)

**Site in-Charge**

*Mr. S. B. Patel,*  
(Training Officer)

*Visit to Dharoi Intake Tower, Dharoi, Ta. Satlasana, Dist. Mehsana*

All the students from 6<sup>th</sup> Civil of Smt. S. R. Patel Engineering College Dabhi, Unjha along with 2 faculty members went on an industrial visit to Dharoi intake tower, Dharoi, GWSSB, on 3<sup>rd</sup> April 2012. They reached their destination at 9:00 A.M. and met training officer Mr. S. B. Patel. He made them aware about the functioning of intake tower, its functions and water supply system of Dharoi division, which include reservoir capacity storage of raw water, pumping and entire treatment of water purification starting from clarification to flocculation and filtration.

The students were explained and shown the working of each stage of water treatment unites. Total 41 students were divided in different small groups and enlighten the silent features of the intake tower, water supply system from main intake tower to village level though map and field exposure.

*Site Detail*

**Address:**

Dharoi Intake Tower & Water treatment Unit  
GWSSB  
Dharoi, Ta. Satlasana, Dist. Mehsana



**Intake tower design, functions explained by Engineer**



**Basics of whole system explained by Engineer**

*Contact Details*

**Phone:**

+91-9978406755

**Fax:**

-

**Email:**

-

Visit Date: 3<sup>rd</sup> April, 2012

2:00 P.M. to 05:00 P.M.



**Objective of Visit:**

- To gather knowledge and information about principle systems Dharol dam its water collection, purification, filtration and supply to surrounding villages for drinking purpose

**Faculty in-Charge**

*Prof. J. R. Patel*  
*Prof. D. D. Patel*  
(Civil-Department)

**Site in-Charge**

*Mr. K. K. Modi,*  
(Training Officer)

*Visit to Narmada Canal Intake Tower, Modhera, Ta. Dist. Mehsana*

All the students from 6<sup>th</sup> Civil of Smt. S. R. Patel Engineering College Dabhi, Unjha along with 2 faculty members went on an industrial visit to Narmada intake tower, Modhera, GWSSB, on 3<sup>rd</sup> April 2012. They reached their destination at 1:30 P.M. and met training officer Mr. K. K. Modi He made them aware about the functioning of intake tower, its functions and water supply system of canal intake tower, which include reservoir capacity storage of raw water, pumping and entire treatment of water purification starting from clarification to flocculation and filtration.

The students were explained and shown the working of each stage of water treatment unites. Total 41 students were divided in different small groups and enlighten the silent features of the intake tower, water supply system from main intake tower to village level though map and field exposure.



**Intake tower design, functions explained by Engineer**



**Basics of whole system explained by Engineer**

*Site Detail*

**Address:**

Narmada Canal Intake Tower &Water treatment Unit  
GWSSB  
Modhera, Ta. Modhera, Dist. Mehsana

*Contact Details*

**Phone:**

+91- 9978406750

**Fax:**

-

**Email:**

Visit Date: 3<sup>rd</sup> April, 2012

10:15 A.M. to 05:00 P.M.



**Objective of Visit:**

- To help the students gain first hand information regarding functioning of the industry which presents the students with opportunities to plan and organize.

*Visit to Rishab Software, Baroda*

All the students from 6<sup>th</sup> CE of Smt. S. R. Patel Engineering College Dabhi, Unjha along with 2 faculty members went on a industrial visit to IT Firm Rishabh Software, Baroda on 3<sup>rd</sup> April 2012.

They reached the institute at 10:15 a.m. Mr. Satish Banugade, Admin. Manager received the college team and gave a brief introduction to their firm.

The students attended the lecture of one and half hour which was delivered by Java head Mr. Sanjay Patel It was an informative, interesting and a successful visit.



Students of 6<sup>th</sup> EC during industrial visit at Rishab Software, Baroda

As students of Computer Engineering, they learned the Software Applications and about Web Applications.

**Faculty in-Charge**

Prof. Jay Vala  
Prof. Ishan Shah  
(CE-Department)

**Site in-Charge**

Mr. Satish Banugade,  
(Admin. Manager)

*Site Detail*

**Address:**  
Rishab Software,  
306/311, Gajanan Complex,  
Old Padru Road,  
Vadodara, Gujarat

*Contact Details*

**Phone:**  
0265-2326267  
**Email:**  
[satish.banugade@rishabsoft.com](mailto:satish.banugade@rishabsoft.com)

Visit Date: 3<sup>rd</sup> April, 2012

10:30 A.M. to 05:00 P.M.

## Industrial Visit CE—4<sup>th</sup> Sem.

### Objective of Visit:

- To gain the technical knowledge from the industry.

*Visit to Bhaskaracharya Institute for Space Applications and Geo-informatics (BISAG), Gandhinagar*

On 3<sup>rd</sup> April 2012, all the students from 4<sup>th</sup> CE of Smt. S. R. Patel Engineering College Dabhi, Unjha along with 2 faculty members went on a industrial visit to Bhaskaracharya Institute for Space Applications and Geo-informatics (BISAG), Gandhinagar.

They reached the institute at 10:30 a.m. BISAG Members charge of production received them at the entrance and gave a brief introduction to their & Other IT Companies.

It was an informative, interesting and a successful visit. As students of Computer Engineering, they learned the Software Applications



Students of 4<sup>th</sup> EC during industrial visit at BISAG, Gandhinagar

and about Web Applications. They have also seen Studio room and different satellites.

### Faculty in-Charge

*Prof. Nigam Shah  
Prof. Adesh Panchal  
(CE-Department)*

### Site in-Charge

*Mr. Nikhil,  
(Software Developer,  
BISAG)*

### Site Detail

#### Address:

Bhaskaracharya Institute for Space Applications and Geo-informatics (BISAG),

Near GH '0' Circle,

Indulal Yagnik Marg,

Gandhinagar -382007, Gujarat

### Contact Details

#### Phone:

079-2321 3081 / 82/ 90

#### Fax:

079-2321 3091

#### Email:

[info@bisag.gujarat.gov.in](mailto:info@bisag.gujarat.gov.in)

Visit Date: 2<sup>nd</sup> April, 2012

11:30 A.M. to 03:30 P.M.



#### Objective of Visit:

- To make the students aware of various communication based techniques by using practical instruments and through expert lecture during visit.

#### Faculty in-Charge

Prof. Savita Yadav  
Prof. J.R. Patel  
Prof. Ravi Patel  
(EC-Department)

#### Site in-Charge

Mr. Dinesh Trivedi,  
(Training Engineer)

### Visit to Modern Communication Broadcast Service, Gandhinagar

On 2<sup>nd</sup> April 2012, all the students from 4<sup>th</sup> EC of Smt. S. R. Patel Engineering College Dabhi, Unjha along with 3 faculty members went on a industrial visit. They reached their destination at 11:30 A.M. and first met training engineer of MCBS Mr. Dinesh Trivedi. He made them aware about the functioning of industry, which includes the manufacturing of CATV, CCTV, DTH, and PITV. Then one of the expert engineers taught them the working of set top box and DTH disc, Mr. Trivedi gave information regarding the mechanical tools which were used for manufacturing DTH discs. Currently MCBS is having 4 projects related to the manufacturing of Reliance BIG TV, TATA SKY from TATA, DOORDARSHAN, and VIDEOCON.

After leaving MCBS they reached NICIT (National Institute of Communication & Information Technology), training center whose area



Expert of MCBS explaining the system to the students

of interest are: - Satellite communication, embedded system design, information technology, business management and project management etc. which also takes project on upcoming education based on communication. They provide summer training for around 30 days which includes 2 parts: - embedded & communication training. At the end of session, the chairman of NICIT Dr. D.C Jain gave a expert lecture on Communication, & also gave the concept of "3 D's" (Discipline, Dedication and Determination) to motivate the students.

#### Site Detail

##### Address:

Modern Communication Broadcast Service,  
GIDC Electronics Estate, Sector-25,  
Gandhinagar -382044  
Gujarat

#### Contact Details

##### Phone:

079-23287295/ 23287369/ 23288156

##### Fax:

079-23287294

##### Email:

[info@mcbsintl.com](mailto:info@mcbsintl.com)

Visit Date: 2<sup>nd</sup> April, 2012

11:00 A.M. to 01:00 P.M.



**Objective of Visit:**

- To enhance the practical knowledge which is related to students' different subject and make them aware to new technology.

**Faculty in-Charge**

Prof. Sachin B. Patel  
Prof. Piyush P. Patel  
(EC-Department)

**Site in-Charge**

Mr. Chandan Pandya,  
(Training Officer)

*Visit to Sahajanand Laser Technology Limited, Gandhinagar*

All the students from 6<sup>th</sup> EC of Smt. S. R. Patel Engineering College Dabhi, Unjha along with 2 faculty members went on a industrial visit to Sahajanand Laser Technology Limited, Gandhinagar on 2<sup>nd</sup> April 2012. They reached their destination at 11:00 A.M. and met training officer Mr. Chandan Pandya. He made them aware about the functioning of industry, which offers total solution with a wide range of laser systems for diversified industrial applications such as: Laser Cutting, Marking, Welding, Micro Machining, Solar Cell Scribing/Cutting, Diamond processing, etc.

The students were explained and shown the working of two instruments designed in the industry. First they were familiarized with **Laser Marking System: Akshar Fiber-Pro**. It employs a Multi Diode Pump Fiber Laser and has a wide variety of applications in industries and research.

*Site Detail*

**Address:**

Sahajanand laser technology Limited,  
E-30, GIDC Electronics Estate, Sector-26,  
Gandhinagar -382028  
Gujarat



**Laser Marking System: Akshar Fiber-Pro**



**Laser Cutting System: Brahmastra**

Next they had demonstration of **Laser Cutting System: Brahmastra**, they learned the working feature of the hardware and related software of the same.

*Contact Details*

**Phone:**

079-2324 1379/ 80

**Fax:**

079-2324 1465

**Email:**

[info@sahajanandlaser.com](mailto:info@sahajanandlaser.com)

Visit Date: 2<sup>nd</sup> April, 2012

03:30 P.M. to 06:00 P.M.



**Objective of Visit:**

- To enhance the practical knowledge which is related to communication field and to aware with new technology.

*Visit to Doordarshan Kendra, Ahmedabad*

An industrial visit to Doordarshan Kendra, Ahmedabad was organized on 2nd April 2012 for all the students from 6<sup>th</sup> EC of Smt. S. R. Patel Engineering College Dabhi, Unjha. Two faculty members of EC department accompanied the students during the visit. They reached their destination at 03:30 P.M. They visited the three main divisions of the centre viz Studio, Transmitter and Earth station. They got to know the following points of the three divisions:

**Studio:** The Doordarshan is a leading broadcasting service provider in India. DD Ahmedabad has a full-fledged broadcast set up with three studios. Many serials & program are being made here.

**Transmitter:** Here transmission of both audio as well as video signals is being made. The transmission section does the function of modulation of signals, power amplification of the signal & mixing of the audio & video signal.

*Site Detail*

**Address:**

Doordarshan kendra,  
Drive-in Road, Thaltej,  
Ahmedabad -380054  
Gujarat



Doordarshan Kendra Ahmedabad- Logo

**Earth station:** The main function of the earth station is to make contact with the satellite or to communication with it. The signals from other transmitters are down linked here. The signals here also up linked to send it to larger distance.

The visit was fruitful in bringing more clarity to the concepts learned during the semester, and also increasing the interest in the subject.

*Contact Details*

**Phone:**

+91-98259 56386 (Anila Chaudhary)

**Email:**

[info@ddgirnar.com](mailto:info@ddgirnar.com)

*Faculty in-Charge*

Prof. Sacbeen B. Patel  
Prof. Piyush P. Patel  
(EC-Department)

*Site in-Charge*

Anila M. Chaudhary,  
(Asst. Engineer)

Visit Date: 10<sup>th</sup> April, 2012

10:30 A.M. to 12:45 P.M.



**Objective of Visit:**

- To learn design aspects selection of material, production process as well as assembling point of view on shop floor workspace area to carry out for specified work layout.

**Faculty in-Charge**

Prof. P.R. Mistri  
Prof. R.V. Chaudhary  
(ME-Department)

**Site in-Charge**

Mr. Shivkumar Kanojiya,

*Visit to Indo German Tool Room, Ahmedabad*

On 10<sup>th</sup> April 2012, the students from 4<sup>th</sup> ME of Smt. S. R. Patel Engineering College Dabhi, Unjha along with 2 faculty members went on a industrial visit to Indo German Tool Room, Ahmedabad.

They reached the institute at 10:30 a.m. Mr. Shivkumar Kanojiya received them and introduced them to their firm.

During the visit students got the opportunity to see various machines in operating condition like, Lathe operating; Milling operating, CNC operating and Programming, Design knowledge, Press tool design, Jig-Fixture design, Mould design, Die

casting and design and Forging die design.

They also visited the Production Centre of the industry. Production centre is the most important department in Indo German Tool Room. Production centre carries out the mould manufacturing, CNC job work and injection moulding job work. During the visit they have seen various Training Centre which runs Short Term and Long Term certified training programs.

This type of industrial visit will be helpful for student for choosing best courses and future up gradation. By doing so they can implement their skills in many industries.

*Site Detail*

**Address:**

Indo German Tool Room,  
Plot No. 500 B,  
Phase – 4, GIDC, Vatva  
Ahmedabad, Gujarat

*Contact Details*

**Phone:**

079-2584 1963

**Fax:**

079-2584 1962

**Email:**

[placement@igtrahd.com](mailto:placement@igtrahd.com)

Visit Date: 10<sup>th</sup> April, 2012

03:30 P.M. to 04:30 P.M.



**Objective of Visit:**

- To learn design aspects selection of material, production process as well as assembling point of view on shop floor workspace area to carry out for specified work layout.

*Visit to Appollo Construction Equipments Pvt. Ltd., Mehsana*

The students from 4th ME of Smt. S. R. Patel Engineering College Dabhi, Unjha along with 2 faculty members went on a industrial visit to Appollo Construction Equipments Pvt. Ltd., Mehsana on 10th April 2012.

As per the production is consult Appollo Construction Equipments Pvt. Ltd. are manufacturing various kind of gears for Gear Box. Students got a live workshop visit which was manufacturing gears.

They reached the institute at 03:30 p.m. and were greeted and guided by Mr. Nishit J. Patel. He introduced the students to their firm.

This type of industrial visit will be helpful for student for understanding of design parameter, selection of material, production process as well as assembling point of view on shop floor workspace area to carry out specified work layout.

During the visit students got the opportunity to see various machines in operating condition like, Shaper Machine, Milling Machine, Hobbing Machine and Drilling Machine.

**Faculty in-Charge**

Prof. P.R. Mistri  
Prof. R.V. Chaudhary  
(ME-Department)

**Site in-Charge**

Mr. Nishit J. Patel,  
(Sr. Engineer)

*Site Detail*

**Address:**

Appollo Construction Equipments Pvt. Ltd.,  
Modhera Cross Road,  
Phase – 1, GIDC,  
Mehsana, Gujarat

*Contact Details*

**Phone:**

02762-251665, 234705

**Fax:**

0262-50506

Visit Date: 2<sup>nd</sup> April, 2012

11:00 A.M. to 12:30 P.M.



## Industrial Visit ME—6<sup>th</sup> Sem.

### Objective of Visit:

- To learn design aspects selection of material, production process as well as assembling point of view on shop floor workspace area to carry out for specified work layout.

### *Visit to Windsor Machine Pvt. Ltd., Gandhinagar*

All the students from 6<sup>th</sup> ME of Smt. S. R. Patel Engineering College Dabhi, Unjha along with 2 faculty members went on a industrial visit to Windsor Machine Pvt. Ltd., Gandhinagar on 2<sup>nd</sup> April 2012.

They reached the institute at 11:00 a.m. and were greeted by Mr. Steven Christian, Officer HR, who provided them a brief introduction to their firm.

The students got to know about the injection molding machine. It is one of the important machine used in industries, an injection molding machine is a part of design

side as well as production side for creation of customer specified molding machine.

At Windsor injection molding unit 1 to 3, customer requirement for specified product design with optimization cost producing designing to manufacturing of small tonnage capacity to large capacity with production to assembling of injection molding machine is carried out.

The visit was instrumental in making the students aware of the production process as well as assembling point of view on shop floor workspace area to carry out specified work layout.

### *Faculty in-Charge*

*Prof. M.P. Rajpara*  
*Prof. P.M. Patel*  
*(ME-Department)*

### *Site in-Charge*

*Mr. Steven Christian,*  
*(Officer HR)*

### *Site Detail*

#### **Address:**

Windsor Machine Pvt. Ltd.  
Plot No. 6 & 7,  
Chatral G.I.D.C. Estate,  
Dist:- Gandhinagar - 382729, Gujarat

### *Contact Details*

#### **Phone:**

079-27643 07100

#### **Fax:**

079-27642 33643

#### **Email:**

[hdonline@windsormachines.com](mailto:hdonline@windsormachines.com)