

# VIKSHA



**Vision...Knowledge...Intelligence...**

**(YEAR-2019)**

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Government Polytechnic for Girls, Ahmedabad has been successful in providing quality education, encouraging hard work and excellence, motivating students to become progressive and perform better academically as well as professionally, since its establishment in 1964.

Our institute has been working towards empowering them by assisting them with in every possible way. In spite of tight academic schedule our students manage to indulge in various extra-curricular activities. These activities provide them opportunity to hone their technical and organizational skills. With each passing year students are performing better and have been improving themselves.

Our initiatives are designed taking into consideration following areas of improvement Equality, Security, Creativity, Self respect, Health. All the ongoing initiatives in our college are free of charge and are solely focused on improving life of career-oriented girls to inspire and facilitate them to fulfill their as well as their parents' wishes and dreams.

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## Vision

To carve a brighter prospect for the nation through excellence in technical education to foster skills, ethical values and environmental consciousness among girls while undertaking existing and forthcoming challenges.

## Mission

- To nurture technical and creative skills through quality education
- To strengthen industries interaction
- To impart real life problem solving skills
- To promote care for sustainability of environment and social responsibility

*“If your actions inspire others to dream more, learn more, do more and become more, you are a leader.” – John Quincy Adams*

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## Message From Principal’s Desk



Dear Readers,

Government Polytechnic for Girls started in 1964 with the aim to provide globally competent skilled girls technocrat in the field of Engineering as well as non-technical areas like fashion designing. Initiating something new is always motto of institute.

It is my great pleasure for the initiation taken by almost all departments to publish departmental newsletter. A concept behind these newsletters is to disseminate knowledge, skill and information amongst all stake holders. Students, Faculty members and Industrialists related to all diploma branches that are functioning at this institute gets platform to share the upcoming technologies, events in the department and achievement of students and faculties by these newsletters. It is the synergetic approach to transit from better to the best.

**Dr. Ushma Anerao**

**Principal**

**Government Polytechnic for Girls, Ahmedabad**



### Acknowledgment

Government Polytechnic for Girls, Ahmedabad feels happy to present its genuine stakeholders “Viksha” Vision...knowledge...Intelligence. This newsletter “Viksha” started with an objective of knowledge sharing and spreading divergent activities of entire college, information sharing among all members of college.

We consider, a newsletter “Viksha” as a best place to appreciate the students, faculty members for their achievements. “Viksha” newsletter is published every year that includes glimpses of all curricular and co-curricular events held in college.

Finally, we would like to expand our deepest gratitude to all members who directly or indirectly involved and give their valuable support for making this newsletter “Viksha” Vision...knowledge...Intelligence.

## Student Achievements

- As Co curricular achievement Two teams of IT department participated in Industrial Hackathon 2019 under guidance of HOD IT and faculty member H. L. Vithalani. Round one was held at Marwadi University, Rajkot. After this one team qualified for round two which was at PDPU, Gandhinagar.
- After 36 hours of hard work, our students Sharma Bhumi, Ravina Sardar, Muskan Ranawat, Sakshi Gorania, Riddhi Dalwadi won Industrial Hackthon 2019 in category of ALL GIRLS TEAM. Students were awarded by Certificate and 20,000 Rupees cash by Honorable Education Minister Shri. Bhupendrasinh Chudasama on 06-06-2019 during SSIP annul conference held at Bhat, Gandhinagar.
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### *IT Team*



## Student Achievements

- Parmar Jahnvi Dhirajkumar (166140311055) of EC Department was awarded in GTU Convocation with Gold Medal in Year 2019 for getting 1<sup>st</sup> Rank in GTU in her batch.
- Muskan Rawat(176140316094) got 5th Rank as per Result of 3rd Semester and 3rd Rank as per result of 4th Semester in GTU.
- Pitroda Khushi Pravinbhai of 2nd Semester got 7th Rank(SPI wise) with 10 SPI, Tiya Nilesh Mehta of 2nd Semester got 8th Rank(SPI wise) with 10 SPI, Virangama Krishna Bhaveshkumar of 2nd Semester got 9th Rank(SPI wise) with 10 SPI, Pandya Gneya Milanbhai of 2nd Semester got 6th Rank(CPI wise) with 9.86 CPI
- Zeel Pradip Dave (156140306019) with SPI: 10, CGPA: 9.89 was awarded by, Shri Kumarpal Desai and vice chancellor of GTU Shri Navin Sheth on 10<sup>th</sup> February,2019

*Ms Jahnvi Parmar , EC Student was awarded GOLD Medal in GTU Convocation - 2019*



## Student Achievements

### Top students of each department in each semester

Sr. No.	Department	Name of Student	Semester	SPI
1	IT	Bhumi Bhupendra Sharma	5 <sup>th</sup>	10
2	IT	Armikaben Dineshbhai Rakholiya	3 <sup>rd</sup>	9.77
3	IT	Jagrutibahen Vinodbhai Babariya	1 <sup>st</sup>	9.21
4	IT	Yazda Mohammed Yunus Chudiwala	2 <sup>nd</sup>	9.69
5	IT	Tulsi Mayurbhai Thakkar	4 <sup>th</sup>	10
6	IT	Bhumi Bhupendra Sharma	6 <sup>th</sup>	10
7	CE	Genya Milanbhai Pandya	1 <sup>st</sup>	9.86
8	CE	Tripti Brijesh Sharma	3 <sup>rd</sup>	9.84
9	CE	Rushangi Sanghavi	5 <sup>th</sup>	10
10	CE	Stuti Prafulbhai Bhavsar	6 <sup>th</sup>	10
11	CE	Aashvi Ashokbhai Zala	4 <sup>th</sup>	10
12	CE	Khushi Pravinbhai Pitroda	2 <sup>nd</sup>	10
13	CDDM	Janviben Dinesh Bhai Domadiya	5 <sup>th</sup>	9.87
14	CDDM	Krina Dasharathbhai Panchal	3 <sup>rd</sup>	9.91
15	CDDM	Suzan Farukbhai Mansuri	1 <sup>st</sup>	9.7
16	CDDM	Janviben Dineshbhai Domadiya	6 <sup>th</sup>	10
17	CDDM	Jignasha Dhirubhai Achhavadiya	4 <sup>th</sup>	9.67
18	CDDM	Ranjan Kanubhai Solanki	2 <sup>nd</sup>	9.67
19	Civil	Vibhashree Kirtikumar Parmar	5 <sup>th</sup>	9.33
20	Civil	Jeel Pankitkumar Shah	3 <sup>rd</sup>	10
21	Civil	Adithya Biju	1 <sup>st</sup>	7.32
22	Civil	Shrutika Pankaj Gajjar	6 <sup>th</sup>	9.55
23	Civil	Jeel Pankitkumar Shah	4 <sup>th</sup>	10
24	Civil	Adithya Biju	2 <sup>nd</sup>	7.23

<b>Sr. No.</b>	<b>Department</b>	<b>Name of Student</b>	<b>Semester</b>	<b>SPI</b>
25	BM	Zinzuwadia Yatri Dhirenbbhai	1 <sup>st</sup>	8.77
26	BM	Virpara Poonam Ajaysinh	2 <sup>nd</sup>	8.5
27	BM	Varma Payal Govind Prasad	3 <sup>rd</sup>	8.4
28	BM	Panchal Ritu H.	4 <sup>th</sup>	8.97
29	BM	Panchal Ritu Hirenbhai	5 <sup>th</sup>	9.2
30	BM	Zia Sunasara	6 <sup>th</sup>	9.4
31	EC	Shruti Tenguriya	1 <sup>st</sup>	8.58
32	EC	Bose Hetvi Ramkrishna	2 <sup>nd</sup>	8.77
33	EC	Bose Hetvi Ramkrishna	3 <sup>rd</sup>	8.71
34	EC	Chauhan Roshni Harshad Kumar	4 <sup>th</sup>	10
35	EC	Chauhan Roshni Harshad Kumar	5 <sup>th</sup>	10
36	EC	Parmar Janvi Dhirajkumar	6 <sup>th</sup>	9.87

"Teaching is more than imparting knowledge; it is inspiring change. Learning is more than absorbing facts; it is acquiring understanding."—William Arthur Ward

## Faculty Achievements

FACULTY DEVELOPMENT PROGRAMME-2019			
<u>Faculty Name</u>	<u>Training Name</u>	<u>Duration</u>	<u>Place</u>
Swati Shah	Research Methodology: Tools & Techniques	11/02/2019 to 16/02/2019	LDCE, Ahmedabad
Pramodbhai Patel	Alternative buliding materials and construction technology	04/03/2019 to 08/03/2019	NITTTR, BHOPAL
Rajankumar Patel	NBA Accreditation	22/07/2019 to 26/07/2019	IITRAM. Ahmedabad
MANISHA DESAI	NBA Accreditation	14/10/19 to 18/10/2019	IITRAM. Ahmedabad
T P Chanpura	NBA Accreditation	22/7/2019 to 26/7/2019	IITRAM, Maninagar
T P Chanpura	Preparing Students for Job Interview	26/8/2019 to 30/8/2019	NITTTR, Bhopal
J. J. KARAGTHALA	Web Application Development With Open Source Framework	18/05/2019 to 22/05/2019	RCTI, Ahmedabad
J. D. TRIVEDI	Web Application Development With Open Source Framework	18/05/2019 to 22/05/2019	RCTI, Ahmedabad
D. S. SINGH	Web Application Development With Open Source Framework	18/05/2019 to 22/05/2019	RCTI, Ahmedabad
D. S. BALDEV	Network Administrator	06/05/2019 to 10/05/2019	AVPTI, Rajkot
R. K. PANDYA	Network Administrator	06/05/2019 to 10/05/2019	AVPTI, Rajkot
Toshika Agrawal	Induction Phase -II	10/06/2019 to 22/06/2019	NITTTR, Bhopal
R. M. Shaikh	Ethical Hacking and Forensic Investigation	18/02/2019 to 23/02/2019	GTU, Ahmedabad
P. P. Patel	Ethical Hacking and Forensic Investigation	18/02/2019 to 23/02/2019	GTU, Ahmedabad
J. D. Trivedi	Research Methodology	11/2/2019 to 16/2/2019	LDCE, Ahmedabad
J. D. Trivedi	Outcome based education in professional education	04/11/2019 to 15/11/2019	DYP COE PUNE
J. D. Trivedi	NBA Accrediation	22/07/2019 to 26/07/2019	IITRAM Amedabad
D.S. Singh	NBA Accrediation	22/07/2019 to 26/07/2019	IITRAM. Ahmedabad
A.I. Rangrej	Student Innovation and Startups	25/02/2019 to 01/03/2019	EDII, Bhat, Gandhinagar



**FACULTY DEVELOPMENT PROGRAMME - 2019**

<b><u>Faculty Name</u></b>	<b><u>Training Name</u></b>	<b><u>Duration</u></b>	<b><u>Place</u></b>
Harsha Chauhan	NBA Accreditation	14/10/2019 to 18/10/2019	IITRAM, Ahmedabad
Hardika Pandya	Cloud Computing	26/8/2019 to 18/10/2019	SWAYAM-NPTEL Online Courses
Rikita Parekh	Information and Cyber Security Assurance	06/05/2019 to 10/5/2019	Finishing school, STTP, RCTI,Ahmedabad
Rikita Parekh	Machine Learning, Data Science And Deep Learning With Python	10/06/2019 to 21/06/2019	GEC, Gandhinagar
Pritiben Parikh	NBA Accreditation	14/10/2019 to 18/10/2019	IITRAM, Ahmedabad
Snehalkumar Patel	Cloud Computing	8/26/2019 to 18/10/20219	SWAYAM-NPTEL Online Courses
Hemali Vithalani	Induction phase 2	30/12/2019 to 10/01/2020	NITTTR Ext center Ahmedabad
	FDP on information & cyber security assurance	06/05/2019 to 10/5/2019	RCTI, Ahmedabad
Abhilasha Shrivastav	Cloud Computing	26/08/2019 to 18/10/2019	SWAYAM-NPTEL Online Courses
G. D. Amin	Fabrication of MEM sensor for clinical perspective	29/07/2019 to 18/10/2019	NPTEL-MOOCs
P. P. Patel	FDP for Entrepreneurship Development	04-11-2019 to 16-11-2019	ICECD,Bopal, Ahmedabad
S. G. Langhnoja	Induction Phase -II	18/11/2019 to 29/11/2019	NITTTR Ext center Ahmedabad
R. K. Pandya	Induction Phase -II	18/11/2019 to 29/11/2019	NITTTR Ext center Ahmedabad
K. D. Virani	Induction Phase -II	18/11/2019 to 29/11/2019	NITTTR Ext center Ahmedabad
G. M. Makwana	Principle of Modern CDMA/MIMO/OFDM Wireless Communications	Aug 2019 to Oct 2019	NPTEL-MOOCs
G. D. Amin	Microwave and Technique	29/07/2019 to 18/10/2019	NPTEL-MOOCs
V. L. Gangani	Induction Phase -II	18/11/2019 to 29/11/2019	NITTTR Ext center Ahmedabad
Rakesh D. Motka	NBA Accreditation	14/10/2019 to 18/10/2019	IITRAM.
Aarti R. Dalwadi	NBA Accreditation	14/10/2019 to 18/10/2019	IITRAM.

# Curricular Activities

- Government Polytechnic for Girls, Ahmedabad had organized Open House-Project Exhibition “Techno Sarita 2019” for the final year students of IT, CE and EC branch on 16th April, 2019.
- Students of 6th semester from all three branches show cased their projects. Some innovative projects like Object Avoiding Robot, Voice Operated Lock, Fire Detecting Robot, Auto Irrigation System, Ultrasonic Based Water Level Controller, Smart Parking App, NGO app, Customer Relationship Management System, Voice Assistance, Euphoria Health Care grabbed attention of the audience.
- The objective of this event was to demonstrate the ideas of students in terms of application and to motivate lower semester students for such innovation.



- The experts selected three of the best projects.
  1. Autonomous RC car
  2. Fashion wheel
  3. Foodie



## AUTONOMOUS RC CAR

166140307098 KHUSHI RAVAL  
166140307100 RIDDHI JOTANEYA

A prototype model of “Autonomous RC Car”, which will detect obstacles, traffic signals and stop signs. Autonomous cars or self-driving cars are vehicles that guide themselves without the human input. It involves the use of mechatronics and Artificial Intelligence (AI) to control the vehicle.

This autonomous car is the prototype to the self-driving cars which is the advanced technology.

# Curricular Activities



## FASHION WHEEL

166140307021 SHREYA DALWADI H.  
166140307026 DHWANI DHOLARIA K.  
166140307027 URVI DOBARIYA R.  
166140307028 AMISHA DOMADIYA J.

FashionWheel.com is website that provides feature to create a virtual wardrobe on our website by upload their clothes. User can hire a designer for their virtual wardrobe to approve their request, the designer will be able to access virtual wardrobe. Designers can upload their sketches/Designs that are viewed by the users and they can also order the designs of designer.

## FOODIE

166140307008 DHARA A. BAROT

The main feature of this application is that people don't need to buy any external card for transaction they can directly pay by their ID cards with the help of NFC tags. It can be used in different places like school canteen, college canteen, office canteen or any organization's canteen. Basically it is a replacement of Credit card or debit card for payment.



# Curricular Activities



# Curricular Activities

## Information Technology Department

Sr. No.	Activities (Seminar/Workshop/Industrial Visit)	Date
1	Project Development	25-06-2019
2	Re-Evaluation In IT	26-06-2019
3	IT Live Project And Concepts	27-06-2019
4	IOT	03-07-2019
5	Asp.Net Technology	08-07-2019
6	Python And Flutter	18-07-2019



# Curricular Activities

## CA-CDDM Department

### 1. Visit To Arvind Mill 12-12-2019



### 2. Seminar: Key to impressive personality and concentration Nutritional Diet



# Curricular Activities

## Civil Department

1. A site visit to Pirana sewage treatment plant was organized by our department on 20th July, 2019 so that the students can get all the important information about the drainage system, treatment done on sewage, method of treating sewage, disposal of it, producing gas and fertilizer from it, etc.

2. A site visit to kotarpur water treatment plant was held on 6th July, 2019 so that the students can get all the valuable information about the water treatment methods, water supply methods, techniques used to treat water, and many more information.

3. Our department organized site visit to IIM Ahmedabad. The construction procedure was carried out by PSP projects ltd. Site visit was organized on 8th August, 2019 for 3<sup>rd</sup> Sem students. So that the students can get the practical knowledge about the construction procedure, management skills, advanced techniques used for the construction of any building, different etc.



# Curricular Activities

## Biomedical Engineering Department

### **A HOSPITAL VISIT TO V.S.HOSPITAL:**

Industrial exposure plays a very vital role in filling the curriculum gap, especially in Biomedical Engineering field. The theoretical aspects the students study are not enough until the students see the techniques and their applications practically. For this reason, in the final year of Diploma course in Biomedical engineering, we, at GPGA put more emphasis on hospital and industrial visits. As a part of this, one hospital visit was organized in this term. The students visited V.S.hospital, Ahmedabad, on 26th and 27th of february., 2019. students were accompanied by Ms. M.V.Singh during the visit. Total 21 students of final year visited the hospital and gained practical knowledge about diagnostic, therapeutic as well as imaging equipments and their application areas.

### **AN EXPERT LECTURE ON “INTERVIEW READY”:**

The most important thing to landing a job is to ensure that you are fully prepared for the interview. By preparing, you will feel much more in control. You’ll have anticipated what will get asked in the interview, you will have learnt so much about the business and you’ll feel cool, calm and collected. Well nearly! To help the final year students in appearing for their interviews, an expert lecture was organized on 30th of March,2019. An expert lecture on **Interview Ready** was delivered by Ms. Nirali Shah, Soft Skill Trainer, and Freelancing. The lecture was arranged to guide students how to face interview with confidence and what are the traits required for a perfect interview. Total 30 students participated in the expert lecture and benefitted from Ms. Nirali Shah’s valuable inputs.





# Curricular Activities

## EC Department

Sr. No.	Activities (Seminar/Workshop/Industrial Visit)	Date
1	Arduino Workshop by Possible Automation	08/02/2019
2	Arduino Workshop	29/06/2019
3	Workshop on Networking and its Application	18/07/2019
4	Andhjan Mandal Visit	30/09/2019



# Co-curricular Activities

YEAR- 2019		
Sr. No.	Name of Activity	Date of Activity
1	Sports Day	22/01/2019
2	Republic Day	26/01/2019
3.	Stress Free Seminar	03/04/2019
4.	Rakhi Celebration by Brahma Kumari	05/08/2019
5.	Tree Idiot	06/08/2019
6.	Umbrella Painting Competition	08/08/2019
7.	FIT India	29/08/2019
8.	Empowering Hero within YOU (AMA)	05/09/2019
9.	Rashtriya Ekta Divas	31/10/2019
10.	Self Defence Workshop	16/09/2019 to 18/09/2019
11.	Cleanliness Drive	02/10/2019
12.	Gopi Raas -2019	19/11/2019
13.	Seminar on key to impressive personality and concentration: nutritional diet	26/11/2019
14.	Self Defence	10/12/2019



# Co-curricular Activities



# Co-curricular Activities



## Co-curricular Activities

Self Defense Workshop was conducted by Mr. Dipak Dave on 10<sup>th</sup> December 2019 at Government Polytechnic for Girls campus.



“There are no secrets to success. It is the result of preparation, hard work, and learning from failure.”

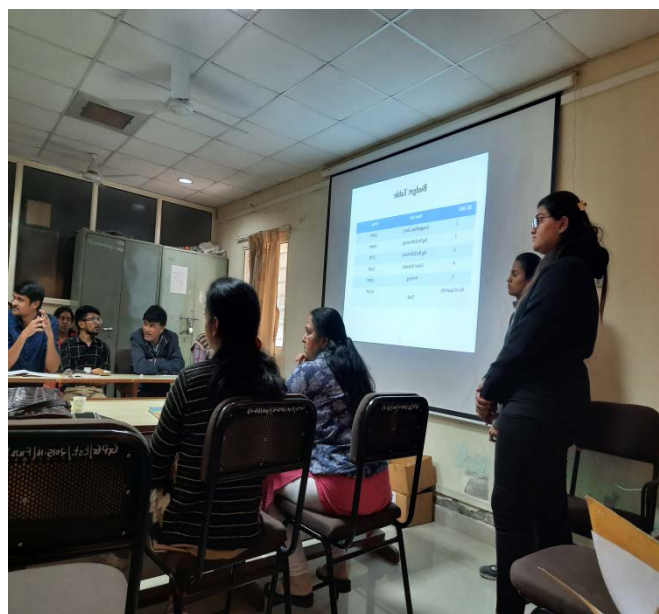
- Colin Powell

## SSIP(Student Start-up & Innovation Policy )

- Student Startup & Innovation Policy of government of Gujarat aims to create an integrated, state-wide, university based innovation ecosystem to support innovations and ideas of young students and provide a conducive environment for optimum harnessing of their creative pursuit. Under this scheme, any individual/ group of individuals having innovative idea/ concept will be eligible and/ or universities/ education institutions, incubation center/ PSUS/ R&D institutions/ private and other establishments will be eligible as an institution to support and mentor to innovators as approved by committee.
- Total grant sanctioned by SSIP cell; Government of Gujarat was Rs. 4,87,000
- Out of this Rs. 1,21,750 was issued on 31<sup>st</sup> May-2019 as first installment.

### Seminar/Webinar/Workshop under SSIP

Sr. No	Program/Event	Type of Event	Date of Event
1	Arduino and automation	Workshop	29/06/19
2	Awareness of IPR	Seminar	17/07/19
3	IOT with python	Workshop	28/06/19
4	How to start and magic of startup	Seminar	27/09/19
5	Two days' workshop on water harvesting and energy conversion	Workshop	03/10/19, 04/10/19



*“We need women at all levels, including the top, to change the dynamic, reshape the conversation, to make sure women’s voices are heard and heeded, not overlooked and ignored.” – Sheryl Sandberg*

## **WOMEN DEVELOPMENT CELL**

- Vidhushee Gargi is a women development cell focused on improving life of girl students to inspire and facilitate them to fulfill their as well as their parents’ wishes and dreams. The cell conduct one-on-one counseling sessions for helping students cope with any problems.

Sr. No.	Name of Event	Date	No. of participant
1	Thalassemia Test	31/01/2019	35
2	Yoga Day	21/06/2019	100
3	Self Defense	10/12/2019	200



- Our college celebrated International Day of Yoga 2019 in the campus premises. All effort was made to spread awareness about the benefits of yoga in life.
- A self defense workshop was conducted at our institute on 10<sup>th</sup> December 2019. The workshop was organized to spread awareness on issues of personal development, safety and self defense. The aim was to prepare the girls to be alert, confident and quick in responding to situations where their security and safety is under threat.



# Interaction of Industry and Alumni with college faculties at 12/07/2019

Interaction of Industry and Alumni with college faculties was held in conference hall on 12th July 2019 to facilitate, consolidate and coordinate Alumni Activities. The Alumni started arriving in college by 10.00 a.m.

During the session many points were discussed like:

- Discussed about the current trends in languages and certifications in the industry.
- About their personal experiences in the development of open source software.
- About online certifications of various courses.
- Discussed about how to become an entrepreneur and how to start start-ups

Alumni also interacted with the students and gave career guidance regarding higher studies and placements. Alumni answered question of students regarding preparations for placements and how they should face HR interviews. Vote of thanks was given by Mr. T. P. Chanpura, TPO Head, Alumni convener, alumni members of event, various organizers, alumni members of event.





# Overview of Placement

- In our institute the training and placement functions have been active from them past 5 years. The cell provides guidance and assistance to help students prepare for their career goals. The cell takes initiatives to identify market demand, needs of students and accordingly develop their skills.

## Our Leading Partners



- **PLACEMENT FAIR 2019** : In our institute 381 students registered themselves in placement fair. Out of that 367 were present and in them 47 were selected in placement fair.
- Our institute was awarded as **MOST ACTIVE** college in Placement Fair - 2019



# Overview of Placement

Placement Fair 2018-2019	
Branch	Count
Architecture	1
Biomedical	3
Computer	0
CDDM	27
CIVIL	1
E.C.	5
IT	10
<b>Total</b>	<b>47</b>

## Placement Fair 2019



## E-Newsletter Committee

Sr. No.	Name of Faculty	Department	Position
1	S.M. KHANDWALA	CACDDM	Convener
2	J.H. SUTHAR	Biomedical	Member
3	K.D. VIRANI	Computer	Member
4	T. R. AGRAWAL	Civil	Member
5	J. D. TRIVEDI	Computer	Member
6	Y. B. RATHOD	EC	Member
7	K. J. SHAH	Civil	Member
8	I.M. MISTRY	EC	Member

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