

INFORMATION TECHNOLOGY
NBA ACCREDITED
GOVERNMENT POLYTECHNIC FOR
GIRLS, AHMEDABAD



I. T. NEWSLETTER

PRINCIPAL'S MESSAGE



DR. B.B. SONEJI

It is a great experience to head the institute, which is providing quality education in Diploma programs exclusively to the girls. The institute has grown remarkably in the past for more than five decades, and now it becomes our responsibility to work in such a way that it grows by many folds in future. Basically, the strength of any institute is its learned faculties, who can nurture the students in all respect. The faculties at this institute are highly qualified and motivated in their respective fields.

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- Technical News
- RITIKA'S DIPLOMA JOURNEY
- GTU Results
- Chandrayan Quiz and Teacher's day
- Departmental activities
- Induction Program
- Faculty Achievement

Vision

To be a center of excellence for girls in I.T. by preparing them to be efficient problem solvers, innovators and entrepreneurs in this era of dynamic IT field as well as to empower women by proving roadmaps that foster professionalism, humanism and social responsibility.

Mission

- To provide excellent field related technical knowledge and skills.
- To foster interpersonal and leadership skills through co-curricular and extracurricular activities and thus.
- Develop a thirst for life-long learning among students. To create a vibrant and an intellectually stimulating Environment for students to empower them for real world problem solving.

**WE CHANGE THE
FUTURE**

Commemorating
Excellence

From the Desk of Head of Department

Esteemed Community,

I.T. Department moves further upward with guidance and vision of Principal Dr. B. B. Soneji. He takes immense interest in redeveloping all laboratories. He envisioned state of the art facilities for the students.

It is with great exuberance that we disseminate the exhilarating news of the remarkable triumphs achieved by our students, in recent state examinations. Several of our students have garnered exceptional results, securing preeminent positions in the state rankings.

We take profound pride in acknowledging their extraordinary achievements who have exhibited not only exceptional diligence but also a profound mastery of information technology. Their superlative performance not only attests to their assiduity but also serves as a testament to the calibre of education and the conducive learning milieu within our esteemed department and institute.

These distinguished outcomes stand as a vindication of the dedication of our erudite faculty, the avant-garde curriculum at our disposal, and the cutting-edge laboratory facilities recently instituted. Our commitment to excellence extends beyond the conventional purview of classrooms. We actively cultivate a holistic educational milieu, providing avenues for research, collaborative endeavours with industry stakeholders, and comprehensive personal development.

As we revel in these accolades, we remain committed to perpetual refinement. Our pledge is to furnish an environment that challenges and nurtures our students, preparing them comprehensively for the exigencies and opportunities intrinsic to the rapidly evolving domain of information technology.



Mr. Nandu Fatak

Student Admitted at Prestigious colleges (2023) (D-to-D)

**L.D. Engg.
College**

Ritika Maheswari, Khushi Kanani,
Anchal Agrwal, Priyanshu Sharma, Aditi
Darji, Tisa Patel, Kangan Dave, Rohit
Rashmika Dinesh

**Viswakarma
Govt.
Engineering
College**

Yukta Panchal, Rishwa Patel, Payal
Luhar, Riya Suthar, Maithili Mehta,
Risita Mathur, Patel Rishwa, Payal
Luhar, Riya Suthar, Priyanshi Panchal,
Devanshi Panchal, Roshni Patel

GECG

Rishita Mathur, Mahek Panchal

**Nirma
University**

Rutva Vasani

PASSOUT STUDENTS

144

DIRECT JOB

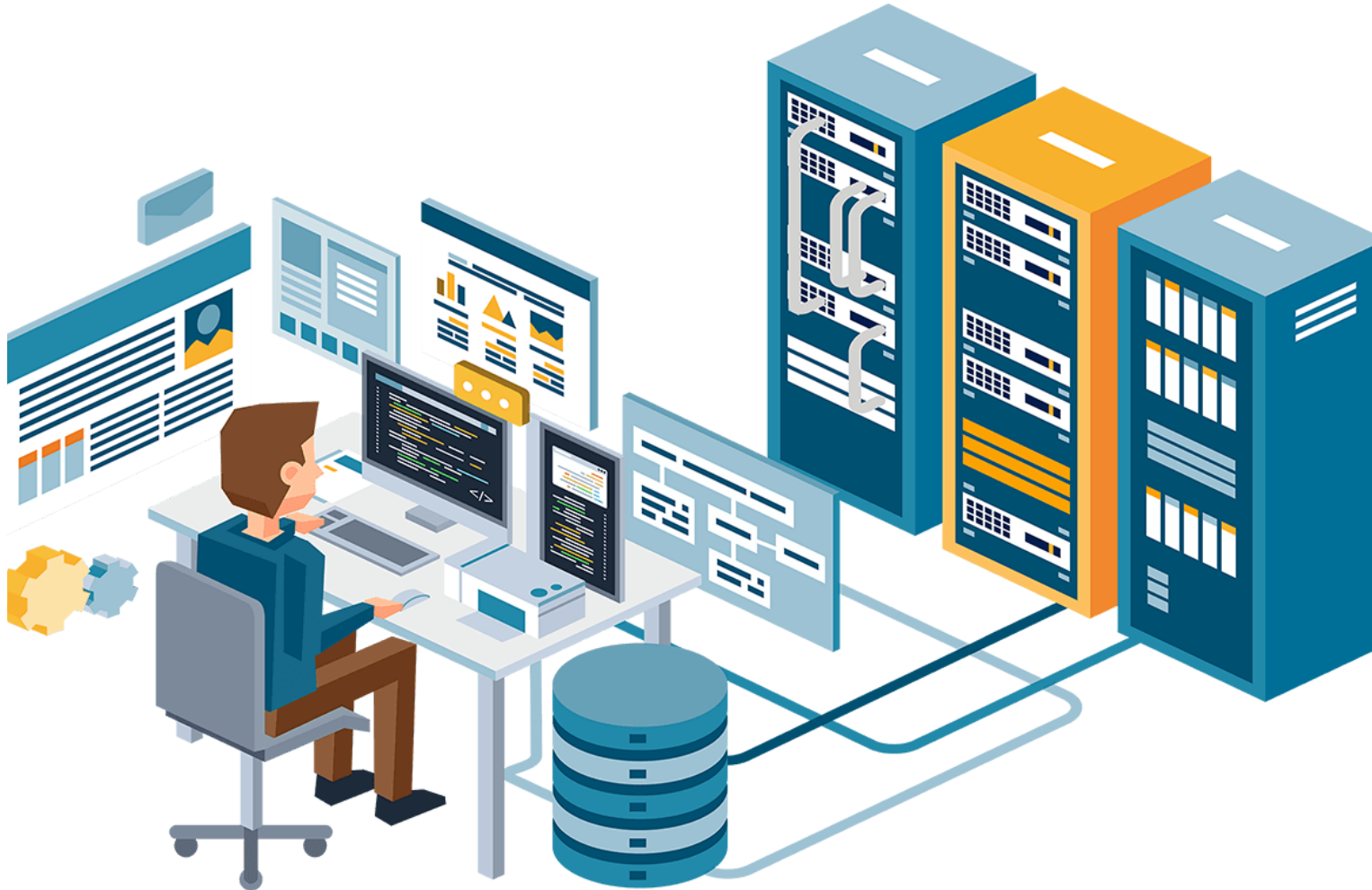
10

HIGHER STUDIES

104

Technical News

CLOUD COMPUTING AND DATA CENTER TECHNOLOGIES



What is data center technology in cloud computing?

A data center is a physical location that stores computing machines and their related hardware equipment. It contains the computing infrastructure that IT systems require, such as servers, data storage drives, and network equipment. It is the physical facility that stores any company's digital data. Enterprise data centers increasingly incorporate cloud computing resources and facilities to secure and protect in-house, onsite resources. As enterprises increasingly turn to cloud computing, the boundaries between cloud providers' data centers and enterprise data centers become less clear.

How did modern data centers evolve?

Data centers first emerged in the early 1940s, when computer hardware was complex to operate and maintain. Early computer systems required many large components that operators had to connect with many cables. They also consumed a large amount of power and required cooling to prevent overheating. To manage these computers, called mainframes, companies typically placed all the hardware in a single room, called a data center. Every company invested in and maintained its own data center facility. Over time, innovations in hardware technology reduced the size and power requirements of computers.

However, at the same time, IT systems became more complex, such as in the following ways:

- The amount of data generated and stored by companies increased exponentially.
- Virtualization technology separated software from the underlying hardware.
- Innovations in networking made it possible to run applications on remote hardware.

RITIKA'S DIPLOMA JOURNEY

Embarking on a three-year diploma journey at GGP (2020 - 23) the experience unfolded in a unique blend of virtual and physical realms. GGP's committed and knowledgeable faculty played a vital role in shaping my understandings and offering valuable insights and guidance.

Surviving the chaos of assignments, vivas , practicals ,submissions ,and most importantly GTU is like juggling flaming torches – stress level: expert. Yet, in this wild academic circus, my journey has been a roller coaster of laughter, bunks and caffeine-fueled escapades. Who knew stress could be this entertaining?



KHUSHII-MYSTUDYMATE



Ritika Maheswari

Oncestrangers in the chaotic halls of GPG, we transformed into study super heroes, swapping notes faster than a speeding bullet! Our bond started with textbooks and graduated to sharing secrets. Now, at LDCE our friendship is there all MVP, surviving exams, coffees pills, and questionable cafeteria food. We're not just classmates; we're the dynamic duo turning ordinary lectures into epic adventures!

However, the journey, conducted in person, proved to be truly unforgettable. Achieving a consistent 10 SPI across all semesters and holding 1st Rank in GTU was atestament to unwavering commitment and hard work. Diligence in eachassignment and exam resulted in a remarkable achievement—a perfect 10 CGPA and made me reach to my dream place LDCE.

GTU RESULTS

NEW

SUMMER 2023

GTU RESULTS

2, 4 & 6 SEM

Sem 2

PUJARA RIYA CHIRAGBHAI
THAKKAR NIDHI MAYUR
PUJARA RIYA CHIRAGBHAI
THAKKAR NIDHI MAYUR
FATNANI MANA NAYAN
DAVE DHRUVI DHAVAL
MODI SHLESHA SHAILESHBHAI
CHAUDHARI JAHNVI BHARATBHAI

2nd rank in GTU top 10
3rd rank in GTU top 10
1st rank in institute top 10
2nd rank in institute top 10
3rd rank in institute top 10
6th rank in institute top 10
7th rank in institute top 10
10th rank in institute top 10

Sem 4

VARMA TISHA HITESHBHAI
JADON SWETA DINESHSINGH
RATHOD ASMITA JAGDISHBHAI
PRAJAPATI PRINCY MANISH
PARMAR HAPPY TEJASBHAI
PANCHAL ARCHI PRITESHBHAI

1st rank in institute top 10
2nd rank in institute top 10
3rd rank in institute top 10
5th rank in institute top 10
6th rank in institute top 10
8th rank in institute top 10

Sem 6

MAHESHWARI RITIKA JITENDRA KUMAR
MAHESHWARI RITIKA JITENDRA KUMAR
PATEL TISA JIGNESHKUMAR
AACHAL AGARWAL
KANANI KHUSHI PRAVINBHAI
MATHUR RISHITA DHIRENDRA

1st rank in GTU top 10
1st rank in institute top 10
4th rank in institute top 10
7th rank in institute top 10
8th rank in institute top 10
10th rank in institute top 10

Ahajoliya Nandini
of sem 3 is certified
in Graphic
Designing



Niketa Soni of
sem 5 is
certified in
ReactJs Basic

QUIZ COMPETITION



The Chandrayaan-3 Quiz allows participants to test their knowledge about the Chandrayaan-3 mission and space science in general.

This quiz aims to engage and make people aware about India's space exploration efforts and inspire them to learn more about space initiatives.

Winner of Chandrayan-3 Quiz competition

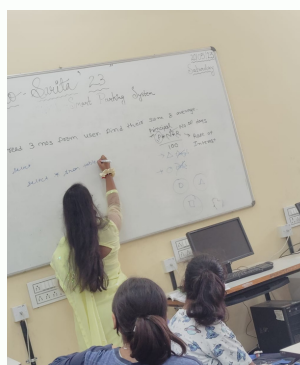
- IT department holds 1st rank which goes to Pari Kansagara from 1st IT
- And also 3rd rank goes to Drashti Mavani from 1st IT



INDIAN SPACE ACHIEVEMENT
Welcome to the Indian Space Achievement Knowledge Competition at Government Girls

<https://www.youtube.com/watch?v=wflodrqYZw>

On 5th of Sept 2023, IT department celebrated Teachers to acknowledge teachers for their efforts and dedication towards students. Also there is competition in the department in which Princy Prajapati was the winner.



Teacher's Day celebration



DEPARTMENTAL ACTIVITIES



Sr. No.	Date	Event	Topic	Company name	Sem	Speaker Name
1	20-09-2023	Seminar	Python Programming	Tops Technology	1st	Ms. Heena Malek
2	22-09-2023	Seminar	Fundamentals of Database	Tops Technology	3rd	Ms. Heena Malek
3	29-09-2023	Expert Lecture	Artificial Intelligence	Aspiration Institute	3rd & 5th	Dr. Shyam Chavda
4	12-10-2023 to 13-10-2023	Seminar	Networking	IANT(Institute of Advance Network Technology)	1st	Mr. Piyush Sir
5	16-10-2023	Expert Lecture	Graphic Designing	Red & White Multimedia Education	5th	Miss Shachi Trivedi
6	17-10-2023	Webinar	Campus to Corporate	Jolly Hires	5th	Miss Shivani Sharma
7	18-10-2023	Seminar	Python Programming	BrainyBeam Technologies Pvt. Ltd	1st	Mr. Sagar Sir
8	01/11/2023 to 02/11/2023	Industrial Visit	Insights of IT Industry	Infolabz Pvt. Ltd.	3rd	Mr. Chintan Nagrecha
9	02/11/2023 to 03/11/2023	Industrial Visit	Insights of IT Industry	Techno IT Hub	3rd	Ms. Bhumi Sharma



Seminar on Python Programming



Seminar on Fundamentals of Database

DEPARTMENTAL ACTIVITY



Seminar on Networking



Expert Lecture on Artificial Intelligence



Industrial visit at Techno IT Hub



WEBINAR ON Campus to Corporate



Seminar on Python Programming



Industrial visit at Infolabz Pvt. Ltd.

First Year INDUCTION PROGRAM

July -August 2023

Purpose of Induction Programme

Its purpose is to make the students feel comfortable in their new environment, set a healthy daily routine, create bonding in the batch as well as between faculty, develop awareness, sensitivity and understanding of the self, society at large, and nature

The following are the activities under the induction program in which the students should be fully and actively engaged throughout the entire duration of the program.

Activities will be based on

1. Communication Skills
2. Mathematical Activity
3. Creative Arts and Co-curricular activities
4. Mentoring & Universal Human and Physical activities
5. Latest trends in Industry

Students come with diverse thoughts, backgrounds and preparations. It is important to assist them adjust in the new environment and inculcate in them the ethos of the institution with a sense of larger purpose.

Keeping the above thought in mind GTU proposes a 12 days induction program for the diploma students entering the institution before the commencement of normal classes which will start only after the induction program is over.



Induction Program Schedule

Day 1: 18/07/2023 - Orientation Programme

Day 2: 19/07/2023 - Communication skills and mathematics activity

Day 3: 20/07/2023 - Communication skills and mathematics activity

Day 4: 21/07/2023 - Physical activities

Day 5: 24/07/2023 - Pottery Workshop and Creative Arts and Culture

Day 6 : 25/07/2023 - Introduction to IT industry

Day 7 : 26/07/2023 - Mentoring & Universal Human Values

Day 8 : 27/07/2023 -Mentoring & Universal Human and Physical activities

Day 9 : 28/07/2023 -Co & Extra Curricular Activities

Day 10 : 31/07/2023 - Mentoring Session and latest trends in Industry

Day 11 : 01/08/2023 - Latest Technological Trends and Creative Arts and Culture

Day 12 : 02/08/2023 - Feedback Session



Semicon India 2023 was a three-day conference on semiconductors in Gandhinagar, Gujarat. The conference ran from July 28 to 30, 2023.

The theme of the conference was "Catalyzing India's Semiconductor Ecosystem". The conference was organized by the India Semiconductor Mission in partnership with industry and industry associations.

The conference was inaugurated by Prime Minister Narendra Modi at Mahatma Mandir in Gandhinagar. The conference provided an opportunity for India to demonstrate its capabilities in semiconductor design and manufacturing. It also fostered networking and knowledge exchange among participants.

FACULTY ACHIEVEMENTS



Ms. Harsha P. Chauhan
secure 100%
score in FDP.



NPTEL-AICTE
Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to

HARSHA P CHAUHAN

for successfully completing the course

Educational Leadership

with a consolidated score of **100 %**


Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



(Jul-Oct 2023)

Roll No: NPTEL23HS143S730500055

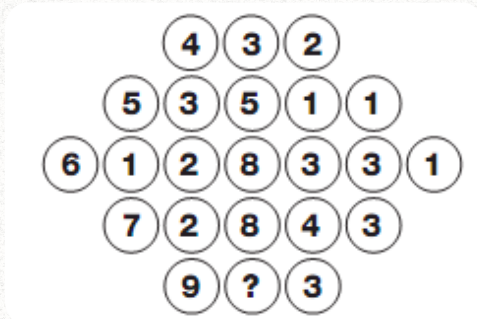
Duration of NPTEL course : 12 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams. This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24th July 2018, similar to other refresher / orientation courses. F.No. AICTE / RIFP / FDP through MOOCs / 2017-18

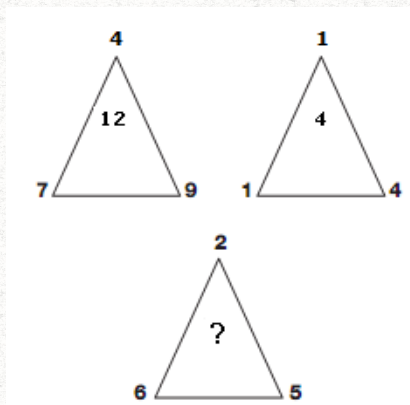
Sr no	Name of Faculty	Title of Training	Duration
1	N.A.FATAK	CYBER THREAT INTELLIGENCE	12-9-23 TO 23-9-23
2	H. P. Chauhan	Professional and Managerial skills for effective work life balance	21-08-2023 to 25-08-2023
		Educational Leadership	24-07-2023 to 13-10-2023
3	R. D. Parekh	E-content development for logistic management	21-08-2023 to 25-08-2023
4	P. V. Garach	ICT-Tools for Teaching Learning	31-07-2023 to 04-08-2023
		Educational Leadership	24-07-2023 to 13-10-2023
5	S I Patel	Google Cloud Computing Foundations	21-8-2023 To 13-10-2023
6	C. H. Shah	Database management System	24-07-2023 to 15-09-2023
7	M.L.Dave	Induction Phase II	11-09-2023 to 22-09-2023
8	P K BHATT	Google Cloud Computing Foundation	21-08-2023 to 13-10-2023

LOGICAL PUZZLE

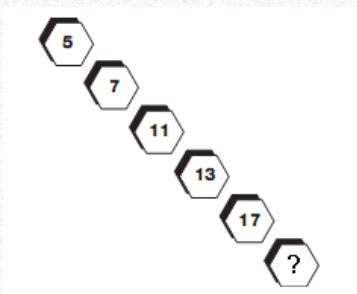
1. What number comes inside the circle?



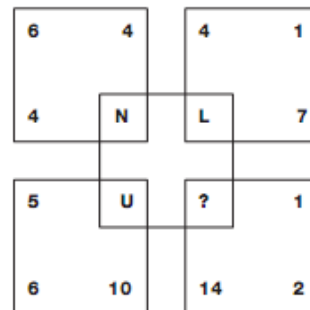
2. Which number replace the question mark?



3. Which number completes the puzzle?



4. Which letter replaces the question mark?

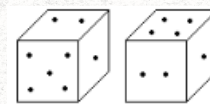


5. Pointing to a photograph of a boy Suresh said, "He is the son of the only son of my mother." How is Suresh related to that boy?

- A. Brother
- B. Uncle
- C. Cousin
- D. Father

6. Two positions of dice are shown below. How many points will appear on the opposite to the face containing 5 points?

- A. 3
- B. 1
- C. 2
- D. 4



EDITORIAL
COMMITTEE

- 1. Mr. N. A. FATAK
- 2. Ms. P. V. GARACH

"To succeed in your mission, you must have single-minded devotion to your goal."
- Dr. APJ Abdul Kalam