



GUJARAT TECHNOLOGICAL UNIVERSITY

A
Report
on

INDUCTION PROGRAM (2022)

A two weeks mandatory course for each branch of Engineering of
First Year Diploma Program



**APOLLO INSTITUTE OF ENGINEERING AND
TECHNOLOGY**

SNME Campus, Near S.P. Ring Road Circle, GJ SH 68, Nava Naroda, Enasan, Gujarat
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1. INITIAL PHASE (FIRST DAY)

As per GTU guidelines, the Induction Program was started on 09th September 2022 and 26th September 2022 for Diploma and Degree programs respectively. All the new entrants were guided by the faculty members at different entry points, to find their respective departments and classrooms. As the floor plans mentioning class location were placed on all notice boards, corridors, and other important places of AIET, also helped the students in locating their classrooms.

The students were warmly welcomed by the respective Head of their departments and their class mentors. Then, the Head of their department delivered the welcome speech. Students were given the information and perspective of their branch, various facilities, and infrastructure available at the Institute by the Head of their department. Then class mentors were briefed about their roles & responsibilities and rules & regulations to be followed at the Institute.



The Academic Dean, Student Activity & Welfare Dean along with Heads of various committees like Discipline & Monitoring, Housekeeping, Entrepreneur Development, and Diploma first year coordinator visited all the classrooms and met the students to brief them about the Induction Program, Sports & Cultural Activities, NSS Activities and various activities conducted by different committees at the college. Students were taught about the importance of cleanliness and they were instructed to maintain it on the premises.

Then all the class mentors of respective departments escorted the students to their respective seminar halls, for the orientation program's welcome speech by Honorable Principal, **Dr. Sheetal Shah**. She conveyed her message of assurance of global need-based quality education, the best laboratory framework, and enhanced placement at AIET. After the welcome speech, class mentors took the students along with them for a college and departmental visit to with library, canteen, and various AIET campus amenities.

2. REGULAR PHASE

a) Awareness of Fitness:

In this session, students were informed about physical activities & their importance. Their BMI (body mass index) was measured. Then students were asked to do the following physical activities – (a) 500m running (b) 15 push-ups (c) Sit-ups/crunches to check their body strength.



b) Computer:

Google Classroom:

Name of the faculty Members: Prof. Nitish Prajapati, Prof. Poonam Gohil, Prof. Krupa Suthar, and Prof Brinda Patel.

Google Classroom is a very useful tool for both faculties and students. To make students familiar with the latest classroom software and make students learning easy and interactive a session on Google classroom was conducted. In this session, students were taught how to join the classroom, Registration, login, share file assignments, study material, submit assignments, and other work.



Computer Hardware Session:

Name of the faculty Members: Prof. Kajal Chauhan, Prof. Richa Bhadauria, Prof. Hardik Parmar, and Mr. Pratipal Chauhan.



A session on Computer Hardware was conducted in an induction program. There were around 30 students present in the classroom. Before the Induction program, they had only heard the name of hardware but after that induction program, they got knowledge about computer parts and all hardware devices which we are using right now around the world. We have shown them and explained the use of these parts in our computer system. We have computer parts like CPU, CPU fan, Hard Disk, Graphic Card, Sound Card, Video Card, etc. We explained each part in detail and the use of these parts in the computer system. In the end, they got in-depth knowledge about the Hardware and Hardware in a computer system.

Microsoft Office Session:

Name of the faculty Members: Prof. Heena Patel, Prof. Ankita Mewada, and Prof. Vaishali Vadhvana.

In this session, students learned about how to write an application, resume, or letter in a proper format. They also learn how to apply the mathematical formula with superscripts or subscripts. They also learn font size, font color for words or sentences, how to apply alignments on paragraphs apply bullets on each sentence, apply header and footer on pages, and also know about how to give page numbers, apply format painter to paragraph from one paragraph to another paragraph. The student has also learned how to do a mail merge with excel sheet data.



Operating System Session:

Name of the faculty Members: Prof. Hardik Parmar, Prof. Nitesh Prajapati Prof. Megha Zala, and Prof. Darshil Paghdal.

In the session on Operating systems students were introduced to other available and widely used operating systems in the field of Computer Engineering. As Operating System is the key component of many systems, it is very necessary to understand the related systems that work with the Operating Systems. Concurrency, resource management, performance analysis, interfaces with complexity, and computer system design of a computer system Operating System is some of the topics students were made familiar with.



c) Electrical:

Name of the faculty member: Prof. Dhruvrajsinh Zala.

To give a formal introduction to engineering to students. In this session, students built a water level indicator using resistors and transistors with three levels that consist of inside a tank with the help of 3 LEDs to indicate that the tank is full. All the necessary guidance and material was provided to students.



d) English:

Name of the faculty member: Prof. Dipavali Parekh.

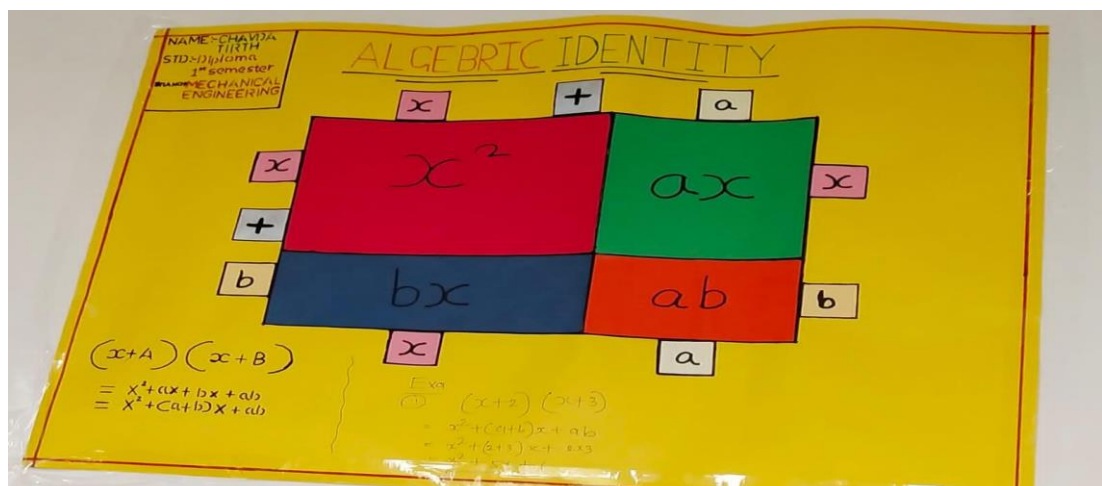
This was an important session for the students to enrich their employability skills. For a student to embrace true professional values, a class was taken by Mrs. Dipavali Parekh, AIET. She explained the requisite communication skills, body language, and presentation format one needs to live by for a successful interview. They were taught how to introduce themselves in an improved and professional manner. Students learned the basic etiquette followed in a group discussion as well. They were taught how to work in a team with the help of a game. They were taught the story of famous one of the finest Indian authors R.K. NARAYAN of his generation writing in English. In this session, students gather knowledge thru different vocabulary and Grammar games like the Word Ladder game and Word Chain Game.



e) Mathematics:

Name of the faculty members: Prof. Supriya Tiwari, Prof. Vipul Patel, and Prof. Rachna Desai.

A session on Vedic Mathematics was conducted by Prof. Vipul Patel, Prof Supriya Tiwari, and Prof. Rachna Desai. Students were made familiar with the idea of Vedic Mathematics and how it can make studying mathematics interesting. Other various Mathematical aspects of Mathematics were also discussed with students through various activities.



f) Mechanical:

Name of the faculty members: Prof. Milin Pandya, Prof. Sandeep Kumar, Prof. Rumit Modasariya.

In mechanical engineering, various forces, energy, and conversion of one type of energy into another type of energy play a crucial role in the understanding working of machinery. During this session, an activity involving the concept of Elastic and Potential energy is done by students. Students made a car powered by the elastic energy of a balloon. Unlike a commercially available car which converts chemical energy into kinetic energy here car which students have made is powered by converting the elastic energy of a balloon into kinetic energy. Balloons are elastic and store potential energy when they are filled with air. When the air is released, the potential energy is converted into the energy of motion, which is also known as kinetic energy. This is the energy you see when the car is propelled forward. The more potential energy is stored, the more kinetic energy the car will have when you let it go.



g) NCC:

Name of Faculty: Prof. Hemant Chauhan, Head of NCC (Parth)

In this session, students were informed about NCC activities & its importance by Prof. Hemant Chauhan & Head of NCC Parth.



h) Sport:

Name of the Faculty Members: Prof. Sandeep Kumar.

The session on Physical activity was conducted by Prof. Sandeep Kumar. In the first activity, the Importance of Yoga and the benefits of doing Yoga regularly was explained to students. Students played indoor games like Chess, Carom, and Badminton and Outdoor games like Cricket, Volleyball, Basketball, and kabaddi.



i) Physics:

Name of the Faculty Members: Mr. Utsav Kotia



Physics is a field where everything needs to be explored in all aspects. In the Physics session, various activities explaining the concept of Physics which we use and see in our day-to-day life were performed by students and later explanation was explained to students. Concepts like the center of mass, Air pressure, heat absorption, Distribution of weight, Friction, and Surface Tension were shown and explained to students.

j) Motivational Movie:

Name of the Movie: The Secret.

Now a day life of the average human has become more stressful than it was before. Students were made to watch a motivational movie during the induction program. So that student before starting their studies, students can start college with positive energy and zeal with keeping the focus on their future goals.



k) Educational Visit

Visit Dandi Kutir: Students of AIET under the component of SNME have visited Dandi Kutir. This Museum is specially designed on the Biography of Mahatma Gandhi the initiator of Disobedience and nonviolent movements for the independence of India. This museum is designed with sophisticated electronic Technology in which audio, video, and 3D visual, 360-degree shows and display are used to show the varied life events of Mahatma Gandhi.



Visit Science City: A visit to science city's newly open Aquatic Gallery was also planned by AIET for the students. It was a whole new experience for students to see various sweet and saltwater life right in front of their eyes. Students particularly liked watching sharks and rays.



3. CLOSING PHASE

In the closing Phase, all the Students of respective branches were asked to give their feedback about the Induction Program and they were asked to submit their feedback report to their respective class mentors. Also, class mentors briefed the students on - how to write Induction Program Report. Finally, the Core Committee members of the Induction Program visited all the classrooms and concluded the Induction Program.

4. INDUCTION PROGRAM TIME TABLE.

APOLLO INSTITUTE OF ENGINEERING & TECHNOLOGY							
INDUCTION PROGRAM MASTER TIME TABLE - 2022							
From 09-09-2022 to 17-09-2022 (WEEK 1)							
Day	Date	Time	CLASS-1 CE-A (106)	CLASS-2 CE-B (110)	CLASS-3 CE-C (112)	CLASS-4 CE-D (113)	CLASS-5 ME (113)
Friday	09/09/2022	09:15 to 12:00	Orientation Programme Seminar Hall (Know your Institute, Know the staffs and amenities of the Institute, Get information about exam pattern and study pattern)				
		12:00 to 01:00	High Tea				
Monday	09/12/2022	09:15 to 10:10	English Prof. Dipavali A. Parekh	Physics Prof. Utsav A. Kotia	Mathematics Prof. Supriya Tiwari	Computer-OS (201) (Prof. Hardik Parmar)	Mechanical Prof. Milin Pandya
		10:10 to 11:05					
		11:05 to 11:30	RECESS	RECESS	RECESS	RECESS	RECESS
		11:30 to 12:25	Sports Prof. Sandeep Kumar	Awarness of Fitness (BMI/Medical)	Computer-OS (201) (Prof. Nitesh Prajapati)	Awarness of Fitness (BMI/Medical)	Awarness of Fitness (BMI/Medical)
Tuesday	09/13/2022	09:15 to 10:10	Physics Prof. Utsav A. Kotia	Computer-OS (201) (Prof. Megha Zala)			
		10:10 to 11:05					
		11:05 to 11:30	RECESS	RECESS	Visit to Akshya Patra	Visit to Akshya Patra	Visit to Akshya Patra
		11:30 to 12:25	Motivational Movie	Motivational Movie			
Wednesday	09/14/2022	09:15 to 10:10			Physics Prof. Utsav A. Kotia	Sports Prof. Sandeep Kumar	Sports Prof. Sandeep Kumar
		10:10 to 11:05					
		11:05 to 11:30	Visit to Akshya Patra	Visit to Akshya Patra	RECESS	RECESS	RECESS
		11:30 to 12:25			NCC Parth Head of NCC	Computer-MSO (201) (Prof. Ankita Mewada)	Mechanical Prof. Rumit Modasiya
Thursday	09/15/2022	09:15 to 10:10	English Prof. Dipavali A. Parekh	Physics Prof. Utsav A. Kotia	Computer-MSO (201) (Prof. Heena Patel)	Electrical Prof. Dhruvrajsinh Raj	Electrical Prof. Dhruvrajsinh Raj
		10:10 to 11:05					
		11:05 to 11:30	RECESS	RECESS	RECESS	RECESS	RECESS
		11:30 to 12:25	NCC Parth Head of NCC	Mathematics Prof. Vipul R. Patel	Sports Prof. Sandeep Kumar	Physics Prof. Utsav A. Kotia	Physics Prof. Utsav A. Kotia
Friday	09/16/2022	09:15 to 10:10	Computer-OS (201) (Prof. Darshil Paghdal)	Electrical Prof. Dhruvrajsinh Raj	English Prof. Dipavali A. Parekh	Computer-Hardware (Prof. Hardik Parmar)	Mechanical Prof. Sandeep Kumar
		10:10 to 11:05					
		11:05 to 11:30	RECESS	RECESS	RECESS	RECESS	RECESS
		11:30 to 12:25	Sports Prof. Sandeep Kumar	Computer-MSO (201) (Prof. Vaishali Vadhavana)	Motivational Movie	Motivational Movie	Motivational Movie
Saturday	09/17/2022	09:15 to 10:10	Mathematics Prof. Vipul R. Patel	Computer-Hardware (201) (Prof. Pratipalsinh Chauhan)	English Prof. Dipavali A. Parekh	Physics Prof. Utsav A. Kotia	Physics Prof. Utsav A. Kotia
		10:10 to 11:05					
		11:05 to 11:30	RECESS	RECESS	RECESS	RECESS	RECESS
		11:30 to 12:25	Computer-MSO (201) (Prof. Kavita Rathod)	Sports Prof. Sandeep Kumar	Computer-Hardware (Prof. Kajal Chauhan)	Mathematics Prof. Vipul R. Patel	Mathematics Prof. Vipul R. Patel

APOLLO INSTITUTE OF ENGINEERING & TECHNOLOGY

INDUCTION PROGRAM MASTER TIME TABLE - 2022

From 19-09-2022 to 22-09-2022 (WEEK 2)

Day	Date	Time	CLASS-1 CE-A (106)	CLASS-2 CE-B (110)	CLASS-3 CE-C (112)	CLASS-4 CE-D (113)	CLASS-5 ME (115)
Monday	09/19/2022	09:15 to 10:10	Computer-Hardware (201) (Prof.Richa Bhadauria)	English Prof. Dipavali A. Parekh	Computer-GOOGLE CLASS ROOM (Prof. Nitesh Prajapati)	NCC Parth Head of NCC	NCC Parth Head of NCC
		10:10 to 11:05					
		11:05 to 11:30	RECESS	RECESS	RECESS	RECESS	RECESS
		11:30 to 12:25	Awarness of Fitness (BMI/Medical)	Sports Prof. Sandeep Kumar	Awarness of Fitness (BMI/Medical)	English Prof. Dipavali A. Parekh	English Prof. Dipavali A. Parekh
		12:25 to 01:20					
Tuesday	09/20/2022	09:15 to 10:10	Visit to Science City	Visit to Science City	Electrical Prof. Dhruvrajsinh Raj	Mathematics Prof. Supriya Tiwari	Mathematics Prof. Supriya Tiwari
		10:10 to 11:05					
		11:05 to 11:30			RECESS	RECESS	RECESS
		11:30 to 12:25			Physics Prof. Utsav A. Kotia	Sports Prof. Sandeep Kumar	Sports Prof. Sandeep Kumar
		12:25 to 01:20					
Wednesday	09/21/2022	09:15 to 10:10	Mathematics Prof. Vipul R. Patel	Computer-GOOGLE CLASS ROOM (201) (Prof.Poonam Gohil)	Visit to Science City	Visit to Science City	Visit to Science City
		10:10 to 11:05					
		11:05 to 11:30	RECESS	RECESS			
		11:30 to 12:25	Computer-GOOGLE CLASS ROOM (201) (Prof.Krupa Suthar)	Mathematics Prof. Supriya Tiwari			
		12:25 to 01:20					
Thursday	09/22/2022	09:15 to 10:10	Physics Prof. Utsav A. Kotia	English Prof. Dipavali A. Parekh	Mathematics Prof. Vipul R. Patel	Computer-GOOGLE CLASS ROOM (201) (Prof. Brinda Patel)	Mechanical Prof. Milin Pandya
		10:10 to 11:05					
		11:05 to 11:30	RECESS	RECESS	RECESS	RECESS	
		11:30 to 12:25	Electrical Prof. Dhruvrajsinh Raj	NCC Parth Head of NCC	Sports Prof. Sandeep Kumar	English Prof. Dipavali A. Parekh	English Prof. Dipavali A. Parekh
		12:25 to 01:20					