



# Gandhinagar Institute of Technology

A Report on

## Induction Program 2021

28<sup>th</sup> September to 12<sup>th</sup> October 2021

### Introduction:

The goal of engineering education is to train engineering graduates well in branch of admission, have a holistic personality and must have desire to serve society and nation. It is expected that an engineering graduate work for solving the problems of society using the modern technologies and practices. That needs the broad understanding of the society and relationships. It is needed to cultivate the human values in engineering graduates to fulfil his responsibilities as an engineer, a citizen and a human being.

Considering the various social backgrounds and whether a student comes from the urban or rural areas they differ in many of the life skills and their abilities and thinking. Their branch of admission may be due to rush; their interest in subject is question. They are facing the issues like hostel and settlements, pressures from peers and many related issues. To overcome such issues, it is necessary to create an environment for students so that they feel comfortable, find their interest and explore their inner beings, create bonding with other students, establish relation with teachers, work for excellence, get a broader view of life and practice human values to build characters. The Induction Program covers the various activities which enables them to overcome all such issues and motivates them to perform well in their chosen branch of admission.

### Scheme:

Sr. No.	Phase and Activities Heads	
1.	Initial Phase	
2.	Regular Phase	
	a)	Physical activity
	b)	Creative Arts
	c)	Universal Human Values
	d)	Literary
	e)	Proficiency Modules
	f)	Lectures by Eminent People
	g)	Innovations
3.	Closing Phase	

### Phases, Modules, Activities and Guidelines:

There would be an initial phase, a regular phase, and a closing phase for the activity during the induction programme. There would be one day each for the initial and closing phases. The guidelines for possible activities in each phase of the Induction Program are set out below.

## 1. Initial Phase (First Day)

As per GTU guidelines, Induction Program was started on 28th September 2021. All the new entrants were guided by the faculty members at different entry points, to find their respective departments and classrooms. class locations were placed on all notice boards other important places of GIT.

All the mentors of respective departments escorted the students to their respective seminar halls on 12 October 2021, for orientation program. Dr Nisha Khurana welcome the newly admitted students, give overview of the Institute, and introduce Director sir and All the Department Head. Mam invited our Honourable Director, Dr H N Shah to address the admitted students, he conveyed his message of assurance of global need-based quality education, best laboratory framework and enhanced placement and various activity at GIT. After that mam is invited GTU exam coordinator Dr Umang Patel and Training and Placement officer Mr. Snehal Barot for presentation.



Orientation program



Speech by Honourable Director, Dr H N Shah

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 prospective of their branch, various facilities, and infrastructure available at the Institute by class mentors and briefed about their roles & responsibilities and rules & regulations to be followed at the Institute.

Following are the activities that were carried on the first day:

- Know your Department/Institute/ university
- Know infrastructure and other amenities
- Information about Student Diary and Induction Program

After the welcome speech, class mentors took the students along with them for a college and their departmental visit along with library, canteen, and various GIT campus amenities.

## 2. Regular phase

The Regular Phase consists of 9 days and 6 hours each day. All the 7 different activity modules are covered. The objectives, proposed activities and guidelines for each module are provided herewith. Additional relevant activities may be used by the Institute in addition to the proposed activities for each phase.

### **a) Physical Activity**

#### **Objective of the event:**

A healthy and strong body is like an ornament. If we are healthy, we will be able to learn new things properly, go on excursions or participate well in events and competitions. The objective of these Physical activities done in seminar hall or in open ground/lawn to promote awareness regarding healthy life routines, mental health and holistic development through Yoga, Pranayama, Meditation, Basic warm up exercises, sports, puzzles etc.

#### **About Programme:**

The Program has been started on 28<sup>th</sup> September to 12<sup>th</sup> October 2021, it has total 18 hours lectures taken by our faculty members for six division of students.

#### **Activities during the Event:**

Around 150+ students participated in the activities with great curiosity and enthusiasm. Prof Amit Patel (ME) and Prof. Darshan Shah (M&H) conducted various sessions for making students aware about importance of fitness and physical activity in daily life.

Summary of the Physical Activities Day wise

No	Date	Time	Activities summary	Location
1	29/09/2021	9:05 AM to 10:55 AM	Yoga, Pranayam, Warm-up exercises, running race, rolling race, toe walking race, one leg hopping race and “Haathtaalini ramat”	Lawn
2	30/09/2021	9:05 AM to 10:55 AM	Indian traditional games like “Ram-Ravana”, “train”, “Haathtali” and “Rumaal Chor”	Lawn
3	01/10/2021	9:05 AM to 10:55 AM	Meditation and General Knowledge Quiz	A-105
4	04/10/2021	9:05 AM to 10:55 AM	Volleyball, Kho-kho, Kabaddi, Maram -Pitthi (Dodgeball)	Lawn

5	05/10/2021	9:05 AM to 10:55 AM	“One act play” on the theme of different Indian historical characters like Veer Savarkar, Chhatrapati Shivaji, Rajmata Jeejabai, Rani Laxmibai, Maharana Pratap, Sardar Bhagat Singh etc.	A-105
6	06/10/2021	9:05 AM to 10:55 AM	Concentration improvement games like “Try to figure out the Body Points touching the Earth”, “Aakash-dharti-paatal”, “Ram-Kahe” etc.	Lawn
7	07/10/2021	9:05 AM to 10:55 AM	Crossword Quizzes on the topics of “Disney Characters”, “Cricket World Cup”, “Indian Places” and “Marvels- DC characters”, Presentation on “Think out of the box”	A-105
8	08/10/2021	9:05 AM to 10:55 AM	Informative presentation on NPTEL and games like volleyball, kho-kho and kabaddi	Lawn and A-105

### Day: 1 (29/09/2021)

The day started with a prayer. The students had recited the Gayatri Mantra and the shloka of Rishi Patanjali. **Yoga** is essentially a spiritual discipline based on an extremely subtle science which focuses on bringing harmony between mind and body. It is an art and science for healthy living. **Pranayama** consists of developing awareness of one's breathing followed by wilful regulation of respiration as the functional or vital basis of one's existence. It helps in developing awareness of one's mind and helps to establish control over the mind. In accordance with the guidelines of Common Yoga Protocol published by Ministry of Ayurveda, Yoga & Naturopathy, Unani, Siddha and Homeopathy (AYUSH), Yoga postures of various asanas like Tadasan, Vrikshasan, Ardchakrasan, Padhastasan, and Pranayama postures like Bhastrika, Kapalbhathi, Anulom-vilom, Bhramri pranayama, prepared by GIT Yoga Team were shown and its techniques and benefits were explained by Prof. Amit Patel (ME). The basic purpose of this display is that the students will start practising Yoga and Pranayama on regular basis in routine life to improve their mental strength and physical health.

The warming up is a part of stretching and preparation for Physical exertion or a performance by exercising or practising gently beforehand, usually undertaken before a performance and practise. It is widely believed to prepare the muscles for vigorous actions and to prevent muscle cramps and injury due to overexertion. The students have performed warm up exercises like neck bending, neck rotation, shoulder movement, trunk movement, knee movement, running and push-ups etc.

**Day:2 (30/09/2021)**

The second day started with the prayer and warming up exercises by the students on the lawn. After half an hour of exercises, the Indian traditional games like “Ram-Ravana”, “train”, “Haathtali” and “Rumaal Chor” games etc. played by the students. During this time, students enjoyed playing these games. At the end of the session, Prof. Amit Patel (ME) discussed with the students about the Physical health improvement in daily life. He also discussed about the Surya namaskar and its benefits to the human body.

**Day: 3 (01/10/2021)**

The third day started with a prayer in the seminar hall by chanting the Gayatri mantra and the Shloka by Rishi Patanjali. Meditation is a practice where an individual uses a technique – such as mindfulness, or focusing the mind on a particular object, thought, or activity – to train attention and awareness, and achieve a mentally clear and emotionally calm and stable state. Meditation session was performed with the students and its benefits were described like reduced stress and anxiety, improved focus and concentration, inner strength, increased immunity, and happiness by Prof. Amit Patel (ME).

After the meditation session, the google form of general knowledge quiz was shared with the students by Prof. Darshan Shah(M&H) and they must answer 60 questions in 45 minutes. The students have attended the quiz in very healthy manner and responded well enough to answer within the appropriate time. The score of the quiz released to the students after manual review.

**Day: 4 (04/10/2021)**

The day started with prayer and warm-up exercises on the lawn. On this day students had played various games like Volleyball, Kho-kho, Maram -Pitthi (Dodgeball) etc.

**Day: 5 (05/10/2021)**

The day begin with the prayer in the seminar hall. The students were given the task of preparing the “one act play” on the theme of different Indian historical characters like Veer Savarkar, Chhatrapati Shivaji, Rajmata Jeejabai, Rani Laxmibai, Maharana Pratap, Sardar Bhagat Singh etc. yesterday on 4<sup>th</sup> October,2021 and some of them had prepared the plays on “Each corona warrior as a Rani Laxmibai” and “Veer Savarkar”. They had done wonderful job and displayed the courage of each historical character very well. The basic idea of giving this kind of task to students to encourage them for developing leadership quality, teamwork, to read the books of our freedom fighters and historical characters to understand and learn their moral values. At the end of the session, Prof. Amit Patel (ME) had explained the things we have to learn from each Indian historical characters by various incidents from their life and encouraged students to read the books of them and do some critical thinking on it

**Day:6 (06/10/2021)**

The day started with the prayer and warming up exercises. After that the students participated wonderfully well in concentration improvement games like “Try to figure out the Body Points touching the Earth”, “Aakash-dharti-paatal”, “Ram-Kahe”etc. Playing these games improve brain functions, such as attention and focus. It gives space to critical thinking and helps students to nurture their attention. After concentration improving games, the students played various games like kho-kho, kabaddi and volleyball. The session ends with the debate on the physical fitness related issues.

**Day:7 (07/10/2021)**

The day started with the prayer and meditation in the seminar hall. After the prayer, the Crossword Quizzes on the topics of “Disney Characters”, “Cricket World Cup”, “Indian Places” and “Marvels-DC characters” were shared with the students by Prof. Darshan Shah (M&H) and gave them 20 minutes to solve any two out of four. Students enjoyed while solving them and successfully completed the quizzes within the time. After the crossword quizzes, Prof. Amit Patel (ME) gave the presentation on “Think differently” or “Think out of the box” to the students. The basic idea behind it to encourage and motivate students towards designing something new through design engineering subject in terms of our day-to-day life problems related to engineering. The students got motivation and encouragement by this presentation.

**Day:8 (08/10/2021)**

The day started with the prayer and meditation in the seminar hall. After the prayer, the presentation on NPTEL was given by Prof. Amit Patel (ME) to the students. The presentation given by him was to give information about the NPTEL; an online course offered by the IITs and IIMs throughout India by Swayam Portal developed by MHRD department, Government of India to encourage the education in remote areas. The presentation gave the information about how to search the course of certain subject and enrol in the course, grading pattern, exam pattern and certification for the course etc. to the students. Each thing about NPTEL explained wonderfully by the Prof. Amit Patel (ME). The students were encouraged to join the NPTEL courses, learn the new things through it and earn the credentials in their bucket during the four-year tenure.

In the second half, the students played the games of Kho-Kho and Volleyball on the lawn. They enjoyed playing the games with the faculties as well. The session ended by Prof. Amit Patel (ME) and Prof. Darshan Shah(M&H) with a request to fill the feedback form and give suggestions regarding the activities done by institute in terms of Physical activity from the students. At last, the group photos of the students and faculties were taken, and students dispersed in happy and cheerful manner from the lawn.



Warm-Up Exercises



Yoga



Warm-Up Exercises



Warm-Up Exercises



Haath Tali



Warm-Up Exercises



Prayer



Pranayam



Dodge Ball



Dodge Ball



Kho-Kho



Prayer



Narration of Poem



Singing Rap-Song



Warm-Up Exercises



Aakash-Dharti-Paatal

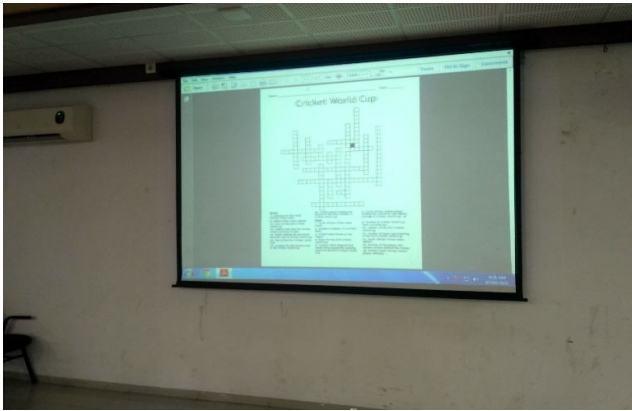




Kabaddi



Kho Kho



Crossword Quizzes



Crossword Quizzes



Presentation on NPTEL



Group Photo

### **Outcomes of the Physical Activity event:**

The students of first year were happy to attend these activity sessions and learn so many interesting facts about health and fitness. They became aware about the science and techniques of Yoga, Pranayam and Meditation. They also learnt importance of teamwork, critical thinking, warm-up exercises, improving focus and sports. They got inspired with the Fitness mantras of eminent personalities of the society and shared their own experiences about healthy routine and physical activity.

## **b) Creative Arts**

### **Objective of activity:**

The objective of the Creative Arts sessions is to make students understand an important of different arts in human life which can help to develop overall personality of them.

### **About Programme:**

The Program has been started on 28<sup>th</sup> September to 12<sup>th</sup> October 2021, it has total 9 hours lectures taken by our faculty members for six division of students.

### **Activities during the event:**

So many faculties conducted sessions of creative arts under Induction Program-2021 during 28/09/2021 to 12/10/2021. During these sessions different form of creative arts were discussed between students and faculties also so many students performed their talent and skill. Following are the glimpse of few creative arts session.

**1) Market Mavericks (Quiz):** Prof. Jatin Chakravarti conducted the quiz with the help of a ppt and projector. He divided the students into two separate groups and asked them general knowledge questions about the business, brands, and marketing themes. Students enjoyed the activity and discussed about different Indian and International Companies, their logos, history and businesses.

**2) Tech Disrupt:** This activity was conducted by dividing the students into separate groups. All groups were given different situations/places like Home, Office, School/College, Restaurant, Picnic/Tour, Driving, Hospital/Emergency, Movie, Gym, etc. and were asked to select an important thing from each situation/place. Later the faculty asked the groups to select a chit of paper on which different things like Mobile, Car, Chair, Cycle, Bed, Jacket, etc. were written. The groups were asked to disrupt technology by implementing the things selected from different situations/places on the thing given in the chit. Each group was asked to visualize and draw their tech on a paper and give a presentation of the same in front of the class. Students came up with interesting and innovative solutions, thereby inculcating the learnings of design engineering. Mr. Anish Karnik displayed his guitar playing skills at the end of the activity and his fellow classmates matched his energy by singing songs to his tunes.

**3) Graphic Design:** Students were introduced with basic principles of graphic designing and explained that by using such principles how they can create an attractive graphic. By using all the theory aspects, a hands on session was also conducted for the students. In the hands-on session students were given a task to make a poster for social media promotion of a pizza store to promote

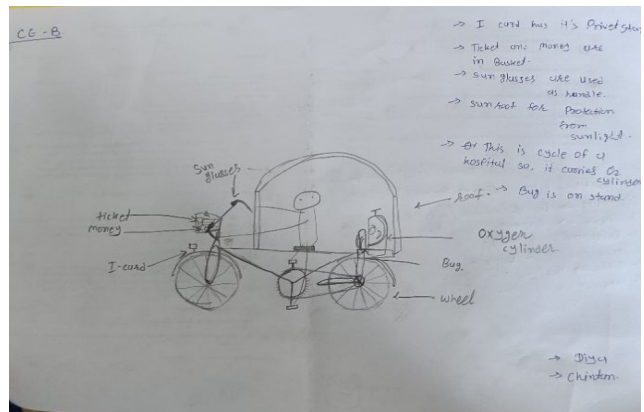
their flat 50% discount sale. Students had made very creative posters using canva app on their smartphone. Students enjoyed that activity and found it very useful for their future activities.

**4) Kahoot Quiz:** In this session quiz were asked to the students using questionnaires application “Kahoot”. The questions were displayed on the classroom screen and the students answered on their own devices (phone/laptop). Several rounds were played based on the difficulty level. Students enjoyed this brainstorming session.

Further all the faculties of Creative arts conducted different activities like painting, crafting, singing, dancing, acting, etc. to provide a chance to the students to showcase their inner talent. So all the session were very impactful.



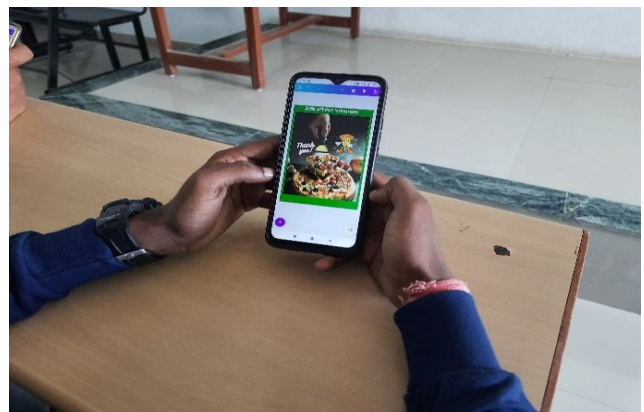
Session of Market Mavericks (Quiz)



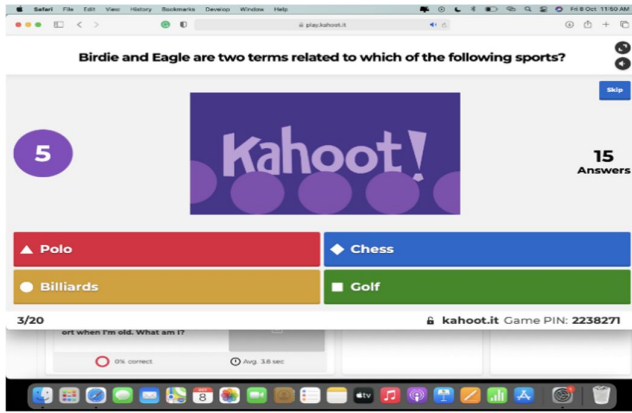
Session of Tech Disrupt



Introduction of Graphic Designing



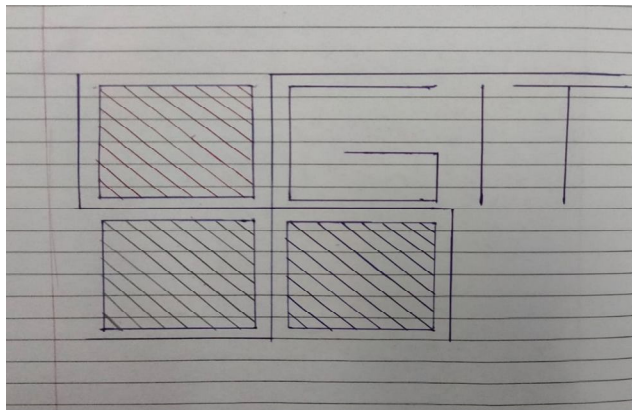
Students made this poster for Pizza Company



Quiz Application Kahoot



Students are making GIT Logo



GIT logo made by Student



Student performed singing with Guitar



Painting Session

### c) Universal Human Values

#### **Objective of the activity:**

The objective of the UHV is development of a holistic perspective based on self-exploration about themselves (human being), family, society and nature/existence, understanding (or developing clarity) of the harmony in the human being, family, society and nature/existence, strengthening of self-reflection, Development of commitment and courage to act.

## **About Programme:**

The Program has been started on 28<sup>th</sup> September to 12<sup>th</sup> October 2021, it has total 9 hours lectures taken by our faculty members for six depts of students.

### **Day-1(28/09/21)**

Faculty Members discussed Purpose and motivation for the course, recapitulation from Universal Human Values-I, Self-Exploration–what is it? - Its content and process; ‘Natural Acceptance’ and Experiential Validation- as the process for self-exploration, Continuous Happiness and Prosperity- A look at basic Human Aspirations , Right understanding, Relationship and Physical Facility- the basic requirements for fulfilment of aspirations of every human being with their correct priority , Understanding Happiness and Prosperity correctly- A critical appraisal of the current scenario , Method to fulfil the above human aspirations: understanding and living in harmony at various levels. Include practice sessions to discuss natural acceptance in human being as the innate acceptance for living with responsibility (living in relationship, harmony, and co-existence) rather than as arbitrariness in choice based on liking-disliking.

### **Day-2(29/09/21)**

Faculty Members discussed Understanding human being as a co-existence of the sentient ‘I’ and the material ‘Body’ Understanding the needs of Self (‘I’) and ‘Body’ - happiness and physical facility , Understanding the Body as an instrument of ‘I’ (I being the doer, seer and enjoyer) , Understanding the characteristics and activities of ‘I’ and harmony in ‘I’ Understanding the harmony of I with the Body: Sanyam and Health; correct appraisal of Physical needs, meaning of Prosperity in detail , Programs to ensure Sanyam and Health.

### **Day-3(30/09/21)**

Faculty Members discussed understanding values in human-human relationship; meaning of Justice (nine universal values in relationships) and program for its fulfilment to ensure mutual happiness; Trust and Respect as the foundational values of relationship, Understanding the meaning of Trust; Difference between intention and competence, Understanding the meaning of Respect, Difference between respect and differentiation; the other salient values in relationship.

### **Day-4(01/10/21)**

Faculty Members discussed understanding the harmony in the society (society being an extension of family): Resolution, Prosperity, fearlessness (trust) and co-existence as comprehensive Human Goals, Visualizing a universal harmonious order in society- Undivided Society, Universal Order- from family to world family. Include practice sessions to reflect on relationships in family, hostel and institute as extended family, real life examples, teacher-student relationship, goal of education

etc. Gratitude as a universal value in relationships. Discuss with scenarios. Elicit examples from students' lives.

#### **Day-5(04/10/21)**

Faculty Members discussed understanding the harmony in the Nature, Interconnectedness and mutual fulfilment among the four orders of nature recyclability and self-regulation in nature , Understanding Existence as Co-existence of mutually interacting units in all pervasive space , Holistic perception of harmony at all levels of existence. Include practice sessions to discuss human being as cause of imbalance in nature (film "Home" can be used), pollution, depletion of resources and role of technology etc.

#### **Day-6(05/10/21)**

Faculty Members discussed natural acceptance of human values , Definitiveness of Ethical Human Conduct , Basis for Humanistic Education, Humanistic Constitution and Humanistic Universal Order , Competence in professional ethics: a. Ability to utilize the professional competence for augmenting universal human order b. Ability to identify the scope and characteristics of people friendly and eco-friendly production systems, c. Ability to identify and develop appropriate technologies and management patterns for above production systems.

#### **Day-7(06/10/21)**

Faculty Members discussed, Case studies of typical holistic technologies, management models and production systems, Strategy for transition from the present state to Universal Human Order: a. At the level of individual: as socially and ecologically responsible engineers, technologists, and managers b. At the level of society: as mutually enriching institutions and organizations.

#### **Day-8(07/10/21)**

Faculty Members explained that students are expected to become more aware of themselves, and their surroundings (family, society, nature); they would become more responsible in life, and in handling problems with sustainable solutions, while keeping human relationships and human nature in mind. They would have better critical ability. They would also become sensitive to their commitment towards what they have understood (human values, human relationship and human society).

#### **Day-9(08/10/21)**

Faculty Members explained Justice – Preservation leads to Fearlessness and Co-existence Ensuring justice in relationship, or mutual fulfilment in relationship on the basis of values like Trust, Respect, etc leads to fearlessness in society, while Suraksha of nature – via enrichment, protection and right utilization leads to co-existence in nature



Natural Acceptance



Happiness and Physical Facility



Fulfilment to ensure mutual happiness



Harmony in the society



Harmony in the Nature



Natural Acceptance of Human Values



Case Studies of typical holistic technologies



Awareness of themselves and surroundings

## d) Literary

### Objective of the activity:

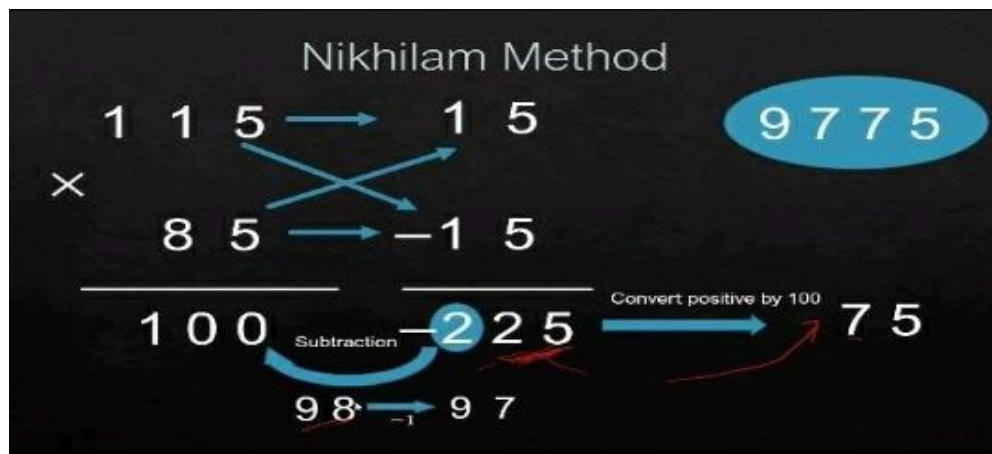
The Objective of Literary is to improve the mentality skills of the students, to inoculate the habit of active consumption of content in literature and to improve listening, speaking, reading, and writing skills. It helps to provide ample of time and a platform for the transition of students from school to the hard-core engineering.

### About activity:

The program started from 28<sup>th</sup> September to 12<sup>th</sup> October 2021. In this program, total 9 hours lectures had been taken by faculty members of Mathematics & Humanities department. This program was divided into two terms: Literary M and Literary E.

### Literary M

Students were made aware about the Vedic mathematics for solving real world problems. Vedic Mathematics is a technique to solve numerical calculations 10-15 times faster than usual methods. Students learnt some interested techniques for improvement in memory and boosted their self-confidence. They learnt to increase their speeds and accuracy in calculations. Whereas in other lectures, students gained the knowledge of the concepts of basic mathematics for solving real world problems. Students were explained applications of integration and derivatives with real world examples for better understanding of real-world problems. Students also studied the importance of scientific calculator in various engineering fields. They also learnt the uses of functional keys of scientific calculators during lectures.



Faculty explained applications of mathematics with real world examples to students for better understanding real world problems. Students learnt how real-world problem can be transformed to mathematical equations using different mathematical models. After the completion of Induction program, the students will know how various mathematical models play an important role in solving real world problems specially by using differential equations.





Faculty Teaching Literary M

### **Literary E**

The Objective of Literary is to improve the mentality skills of the students, to inoculate the habit of active consumption of content in literature and to improve listening, speaking, reading and writing skills. It helps to provide ample of time and a platform for the transition of students from school to the hard-core engineering.

### **Debate**

The rules of debate were explained to students and they were divided into two groups and they do debate on – “Is the existence of God there or not?” and “Online learning versus offline learning”. Students got the opportunity to explore real-world topics and issues. It engaged students through self-reflection and encouraged them to learn from their peers. It taught the students to structure and organize their thoughts.



Students performing Debate

### **Enacting Play**

Students were divided into groups and asked to perform a play in front of the class. It taught the students to use their creativity while developing their imagination, dexterity, and physical, cognitive, and emotional strength. It is important to healthy brain development. Play Can Foster

Effective Communication, helps develop Social Skills, Cognitive, Critical Thinking and Motor Skills and create Confidence in students.



Students performing Play

### **Book Review**

Book review develops student's observation, assessment, reading, writing and critical thinking. Students were made aware that a book review or movie review is a description, critical analysis, and an evaluation on the quality, meaning, and significance of a book, not a retelling. It should focus on the book's purpose, content, and authority. Students made book reviews and movie reviews and presented. It helped them to develop their critical analysis, communication skills and presentation power.



Students doing Book review



Students explain Book review

### **LSRW SKILLS**

The lecture began with asking questions about general importance of English Language. The teacher further helped them to get more knowledge about the importance of English in Engineering. They even understood the meaning of LSRW Skills and knew about the importance of English Language at the time of placements. As a part of this discussion, they were asked to write a note on the following topic. The students gave very interesting insights about the topic.

## **e) Proficiency Modules**

### **Objective of the activity:**

The Induction Program was introduced for the first-year engineering students for two weeks. It is necessary to create an environment for students so that they feel comfortable, find their interest, and explore their inner beings, create bonding with other students, establish relation with teachers, work for excellence, get a broader view of life and practice human values to build characters. The Induction Program covers the various activities which enables them to overcome all such issues and motivates them to perform well in their chosen branch of admission.

The objective of introducing Proficiency Module was to:

1. Determining English proficiency level of students and mentoring accordingly.
2. Learn the mining vocabulary, idioms, and expressions and understand their meanings in context.
3. Develop ability to write a paragraph about general topics by using the English language correctly.
4. Realize the importance of English language as a global business language.
5. To give motivation the students in their field or branch

### **About Program:**

The program began on 28<sup>th</sup> September 2021. There were 4 hours of lectures dedicated to Proficiency module for the students. The lectures were conducted by the faculties of Mathematics and Humanities Department and other department faculties.

### **Activity-1: Motivational Stories/ Videos**

The first activity starts with an objective of making the students aware about motivational stories from Shri Gyanvatsal Swami. The lecture began with asking questions about general importance of motivational stories. The teacher further helped them to get more knowledge about the importance of motivational stories. As a part of this discussion, they were asked to write a note on the important points what they learnt. The students gave very interesting insights about the topic. As this was the first activity on the very first day, they were also introduced motivational stories. The students participated enthusiastically in the activity.

### **Activity-2: Idioms**

The second activity taken up for proficiency module was Idioms. Idioms are expressions that help us describe an exact situation in a different, more creative way. They share cultural and historical information and broaden people's understanding of a language. Idioms build up some distinctive features which can differ from one language to another. And what's more interesting, idioms can sometimes reflect certain cultural traditions and personalities. Idioms in fact, evolve the language; they are the building blocks of a language and civilization. The students were known about the fact that it makes the language interesting and dynamic. The students were provided interesting understandings into the use of words, languages, and the thought processes of their speakers. They were also introduced to some of the idioms and their meanings and sentences. At the end, they were asked to write 15 idioms and their meanings and were advised to use it in their daily life.

### **Activity-3: Web Series Reviews**

Web series is a trending area these days amongst students. The students are very much used to movie review as well as book reviews. So, the students were given a new option of giving reviews. The themes must be patriotic, motivational, or inspirational to write the web series review. The students were very much curious to share the web Series reviews and then they were told to write the review.

### **Activity-4: The Art of Story Telling**

The 4<sup>th</sup> activity that was performed in the classes of Proficiency Modules was Story Writing. In this activity the difference between storytelling and story writing was made understood to the students. Even they were suggested ways of why it is important to tell stories in a right way. They were also given ideas about creating good stories. The pictorial representation of storytelling was more interesting to them. They were also given three different activities regarding storytelling. The students formed interesting stories out of clues given to them. They enjoyed the session.

### **Activity-5: Paragraph Writing**

The fifth activity of Proficiency module was paragraph Writing. Paragraph writing is a routine part of writing skills. The students face a lot of situations where they must write paragraphs. The students were taught about different techniques of paragraph writing. They were also given information about different techniques of paragraph writing. Suggestions were also given to the students about how to write a paragraph. At the end, they were given a paragraph topic to write on a certain topic.



A Motivational story telling by Prof. Rahul Vaghel



A Story Telling by Students



Web Series Reviews by Dr. Prashant Pandya



Students watching motivational video

## **f) Lectures by Eminent People**

### **About Programme:**

The Program has been started on 28<sup>th</sup> September to 12<sup>th</sup> October 2021, it has total 2 hours lectures taken by our faculty members for six division of students.

### **Motivational Talk by Dr Prashant Pandya**

Dr Prashant Pandya explained the eighteen important lessons from Bhagavad Gita has philosophies which can help students fight issues like anxiety and self-doubt in student life. While Bhagavat Gita is more inclined towards the debate between free-will and predestination, some of the teachings in the book can be expounded as very useful for student life. He explained Importance of Bhagavat Gita with practical examples to the students. According to him Bhagavat Gita should be included in syllabus also. He interacted with the students extensively with discussions on goal and vision of their carrier, how to excel in carrier, what attitude one should develop to get success etc.



Motivational Talk by Dr Prashant Pandya

### **Technical Talk by Dr Nisha Khurana**

In her lecture she discussed about the present trends in web technologies and emphasized the importance of core java programming and other languages. she also explained the students what the concepts are that the present software companies are looking for and she has given a brief overview of the importance of Model-view-controller how they can be used, along with the design patterns. Finally, she discussed about the basic concepts that anyone should know to start research in web technologies. The session was interactive, with interesting questions from the students.



Expert Talk by Dr Nisha Khurana

### **Technical Talk by Prof Nirav Joshi**

Two aspects were explored in this interactive session by Prof Joshi. First, overall scenario of Electric vehicle in India and around the world. The second part of the presentation was about various opportunities for student in the field of Electric Vehicle. Also guides about the job opportunities in Electric Vehicle industry. The session was interactive, with interesting questions from the students



Expert Talk by Prof Nirav Joshi

### **Technical Talk by Prof Sumedha Mahajan**

Aspects of this talk is giving the basic idea about the City planning to the student in this interactive session by Prof Mahajan. Various land use prepared in City planning helps students to understand effect of zones and land use on each other and how it is affected in day-to-day life of the people. It is also seeking to interpret how developer as a colonizer permitted for pooling of land of farmers and is supposed to develop as per norms. Lecture also includes the various infrastructure they are going to provide. The session was interactive, with interesting questions from the students.



Expert Talk by Prof Sumedha Mahajan

### **g) Innovations**

#### **Objective:**

1. Introduce the student about innovation in different fields
2. Make students aware about innovative and modern practices and products in their own branch
3. Create awareness about support available for start-up and innovation

### **About Activity:**

The Program has been started on 28<sup>th</sup> September to 12<sup>th</sup> October 2021, it has total 3 hours lectures taken by our faculty members.

### **Session 1**

**Date: 28.09.2021**

The students were briefed about the term Briefed students about innovation. The importance of innovation was discussed with them. The information regarding new era of innovation and the interaction regarding the mission “Atmanirbhar Bharat” initiated by Honorable Prime Minister of India. The global impact of promoting innovation was also discussed with them. They were also educated about the difference between research and innovation.

Prof Megha Desai, Prof Hetal Shah, Prof Hitesh Manani, Prof Pooja Shah and Prof Paresh Umredkar had conducted the first session of “Innovation” in all the classes. In this session, the role of Engineers in Society was discussed with them. Students also interact for different kinds of Innovation an Engineer can do for the betterment of Society. There was a discussion regarding new technologies of AI, ML and Deep Learning with suitable examples during first lecture. To make the session more interactive faculty demonstrated various photographs with simple designs with great impact. Case Study of our Mechanical Students is also discussed (Heat utilization through Refrigeration). The videos of Artificial Intelligence via TEDx were also shown to them.



The students watching the innovation examples and discussing

### **Session 2**

**Date: 30.09.2021**

In the following session, to introduce innovation in different engineering fields. The design thinking and how to convert your concept in reality was discussed with the case study of founders of flipkart and Oyo rooms. Relationship between innovation and entrepreneurship was shared with the students. There was a demonstration of Innovative Logos of different companies and their



meaning. The quiz was organized during the session to create interest of students towards innovation.

Prof Dhaval P Patel, Prof Paresh Umredkar, Prof Shreya Patel, Prof Megha Desai, Prof Pooja Shah conducted the second session of Innovation in all the classes. In this session, students were made aware about Sixth-Sense technology which is motion of hand or the body system developed at MIT Media Lab by Steve Mann in 1994 and 1997 (head-worn gestural interface), and 1998 (neck-worn version), and further developed by Pranav Mistry (also at MIT Media Lab). In 2009, both of whom developed both hardware and software for both head-worn and neck-worn versions of it. The recent innovations like vicks inhaler cum rollon balm, CCTV surveillance, drone technology etc were discussed with the students in the session.



The group discussion and the case studies of Innovation

### **Session 3**

**Date: 05.10.2021**

Prof Hetal Shah, Prof Pooja Shah, Prof Dhaval Patel, Prof Paresh Umredkar, Prof Hitesh Manani conducted the third session of Innovation in all the classes. There was a discussion about different Government Policy under MHRD for innovation and core innovation in recent trends during the session. They were educated about innovative ideas for their stream and brainstorming among students for the same. The introduction to state level innovation policy Student Startup Innovation Policy (SSIP), Ministry of Education driven Institute Innovation Council (IIC), Nation Startup and Innovation policy (NISIP), Intellectual Property Right (IPR) etc was given to them. They were informed about various activities conducted under the different cells of institute. The startup ecosystem developed at institute was explained to them in detail. They were educated about the benefits of the cells and how can they participate in the same.



The introduction to various state and national level policies to promote startup

### **3. Closing Phase**

All students from the respective branches were asked to provide feedback on the Induction Program during the closing phase and were asked to submit their feedback report to their respective class mentors. The students were also briefed by class mentors on how to write the Induction Program Report.



**All Engineering Department**  
**Induction Program Time Table, Odd Sem, AY 2021-22 (R1 - w.e.f 28/09/2021 )**

**DOC NO: 0002**

		CE-A	CE-B	CE-C	IT-D	IT-E	EC+EE+CL+ME-F	Faculty Name		Contact No
28/09/2021	9:05 10:00	HAS	DDV	SBP	NVK	BKZ	MPM/PSU/JMP	RGP	Dr. Rajan Patel	9725363828
	10:00 10:55	Reporting B302	Reporting B304	Reporting B303	Reporting B306	Reporting B305	Reporting B308	AAS	Prof. Archana Singh	9978433988
	11:25 12:20	CA B302	HAS INNO B304	MSS LIT M B303	SVP CA B306	PJS INNO B305	NDP LIT E B308	SAB	Prof. Sejal Bhavsar	8347010885
	12:20 1:15	MUP UHV B302	MPM CA B304	HTM INNO B303	MRC UHV B306	JDK CA B305	PSU INNO B308	RGJ	Prof. Raxit Jani	9909746762
	1:30 2:25	MSS LIT M B302	CAP UHV B304	PPM CA B303	PRPM LIT E B306	PRP UHV B305	SSP CA B308	KHH	Prof. Krishna Hingarajiya	9601426365
	2:25 3:20	MMD INNO B302	MSS LIT M B304	SRM UHV B303	HTM INNO B306	PRPM LIT E B305	MDU UHV B308	HAS	Prof. Hetal Shah	9725377735
								MUP	Prof. Mukesh Parmar	9904405915
								MPP	Prof. Maitri Patel	9925847955
29/09/2021	9:05 10:00	RGJ	MMD	NDT	PBP	JDV	SRP	JSM	Prof. Jalay Maru	9727199800
	10:00 10:55	PA LAWN	PA LAWN	PA LAWN	PA LAWN	PA LAWN	PA LAWN	KDS	Prof. Krishna Suchak	9737534634
	11:25 12:20	KDS CA B302	PRPM PM B304	NDP LIT E B303	HJP CA B306	JDK PM B305	MDP LIT M B308	PVS	Prof. Parita Shah	9429265897
	12:20 1:15	MUP UHV B302	ABP CA B304	PRPM PM B303	PBP UHV B306	ARS CA B305	JAK PM B308	NMK	Prof. Nirali Kapadia	8128606842
	1:30 2:25	SSPM LIT E B302	MPM UHV B304	MRS CA B303	MSS LIT M B306	PRP UHV B305	HRO CA B308	DDV	Prof. Dhaval Vaja	9408573968
	2:25 3:20	PVS PM B302	NDP LIT E B304	NDT UHV B303	NHP PM B306	MDP LIT M B305	NMG UHV B308	SBP	Prof. Shreya Patel	9712535482
								HJP	Prof. Hardik Patel	9428224797
								SVP	Prof. Shital Patel	9998349279
30/09/2021	9:05 10:00	KHH	ABP	PPM	AMN	ARS	HRO	JMC	Prof. Jatin M Chakravarti	8347010835
	10:00 10:55	PA LAWN	PA LAWN	PA LAWN	PA LAWN	PA LAWN	PA LAWN	MPM	Prof. Mitul P Maniar	7567360883
	11:25 12:20	NMK CA B302	DPP INNO B304	MGV LIT M B303	RKS CA B306	PSU INNO B305	NDP LIT E B308	MMD	Prof. Megha M. Desai	7874342590
	12:20 1:15	PVS UHV B302	MPM CA B304	HAS INNO B303	PJS UHV B306	SRM CA B305	MMD INNO B308	ABP	Prof. Ashish B Pandya	9924827216
	1:30 2:25	MGV LIT M B302	JMC UHV B304	PPM CA B303	SSPM LIT E B306	SVK UHV B305	HKB CA B308	CAP	Prof. Chintan A Patel	8690762560
	2:25 3:20	MMD INNO B302	MGV LIT M B304	NDT UHV B303	PJS INNO B306	SSPM LIT E B305	DPP UHV B308	HTM	Prof. Hitesh Manani	9428725372
								NDT	Prof. Naitik Trivedi	8671862576
								MRS	Prof. Rahish Silavat	9998094841
1/10/2021	9:05 10:00	DDV	CAP	MRS	RKS	PRP	CVB	Dr NMG	Dr Nimesh M Gajjar	9904405954
	10:00 10:55	PA LAWN	PA LAWN	PA LAWN	PA LAWN	PA LAWN	PA LAWN	DPP	Prof. Dhaval P Patel	9824455061
	11:25 12:20	JSM PM B302	PRPM LIT E B304	MRS UHV B303	RAV PM B306	MDP LIT M B305	JMP UHV B308	HRO	Prof. Harshal R Oza	9924277906
	12:20 1:15	NMK UHV B302	MMD UHV B304	NDT CA B303	NVK UHV B306	SVK UHV B305	VRP CA B308	HRG	Prof. Hardik R Gohel	7698443293
	1:30 2:25	PRPM LIT E B302	ABP CA B304	HTM PM B303	MDP LIT M B306	ARS CA B305	DPP PM B308	JMP	Prof. Jatin M Patel	9033621013
	2:25 3:20	MPP CA B302	JMC PM B304	SSPM LIT E B303	PJS CA B306	SRM PM B305	TBS LIT M B308	CVB	Prof. Chandrakant V Bhatia	8347557121
								SRP	Prof. Shaival R Parikh	9904405929
								ROP	Prof. Ruchir O Parikh	9904405957
4/10/2021	9:05 10:00	RGP	HHB	PPM	RAV	PRP	CTB	SSP	Prof. Someshwar S Pandey	9624001784
	10:00 10:55	PA LAWN	PA LAWN	PA LAWN	PA LAWN	PA LAWN	PA LAWN	MDU	Prof. Manthan D Upadhyay	7016210359
	11:25 12:20	SAB	JMC Lectures by Eminent People	SRP	TBS LIT M B306	PSU UHV B305	SKC CA B308	VRP	Prof. Vipal R Panchal	9624071881
	12:20 1:15	MSS LIT M B302	MMD UHV B304	MRS CA B303	MRC	JDV Lectures by Eminent People	SKC	DHP	Prof. Dhaval H Panchal	9624587860
	1:30 2:25	NMK CA B302	TBS LIT M B304	PPM UHV B303	JRP CA B306	MSS LIT M B305	SRP UHV B308	SKC	Prof. Sajjan K Chourasia	8511067289
	2:25 3:20	KDS UHV B302	JMC CA B304	TBS LIT M B303	RKS UHV B306	JDK CA B305	SSPM LIT E B308	HKB	Prof. Himanshu K Barot	9898938811
								JAK	Prof. Jyotin A Kateshia	9428608004
								MS	Prof. Maulik Sukhadiya	9428411317
5/10/2021	9:05 10:00	JSM	DHP	NDT	JRP	ARS	ROP	PSU	Prof. Paresh S Umredkar	7405528048
	10:00 10:55	PA LAWN	PA LAWN	PA LAWN	PA LAWN	PA LAWN	PA LAWN	RAV	Prof. Rahul A. Vagela	9879004470
	11:25 12:20	DDV CA B302	HAS INNO B304	MSS LIT M B303	SVP CA B306	PJS INNO B305	NDP LIT E B308	NVK	Dr. Nisha V. Khurana	9427454196
	12:20 1:15	MUP UHV B302	MPM CA B304	HTM INNO B303	MRC UHV B306	JDK CA B305	PSU INNO B308	BKZ	Prof. Birendrasinh K. Zala	9265757339
	1:30 2:25	MSS LIT M B302	CAP UHV B304	PPM CA B303	PRPM LIT E B306	PRP UHV B305	SSP CA B308	MRC	Prof. Madhuri R. Chopade	8347010845
	2:25 3:20	MMD INNO B302	MSS LIT M B304	SRM UHV B303	HTM INNO B306	PRPM LIT E B305	MDU UHV B308	PBP	Prof. Prakash B. Patel	982555327
								RKS	Prof. Rohit K. Singh	9712911315
								AMN	Prof. Anirudhda M. Nayak	9879750813
							PJS	Prof. Pooja J. Shah	9979963387	
							NHP	Prof. Nishith H. Parmar	8460489725	

6/10/2021	9:05 10:00	MPS PA	DHP PA	MS PA	MRC PA	SVK PA	SSP PA	SVK	Prof. Sandip V. Kapadiya	9898282757	
	10:00 10:55	LAWN	LAWN	LAWN	LAWN	LAWN	LAWN	JDV	Prof. Jignesh D. Vaniya	9081515893	
	11:25 12:20	PRPM PM B302	NDP LIT E B304	DPP UHV B303	SVP PM B306	MDP LIT M B305	ROP UHV B308	SRM	Prof. Sumedha R. Mahajan	9909957734	
	12:20 1:15	PRPM LIT E B302	ABP UHV B304	PPM CA B303	MGV LIT M B306	PRP UHV B305	HRG CA B308	PRP	Prof. Pooja R. Patanwal	8141206405	
	1:30 2:25	MPS UHV B302	JMC CA B304	PPM PM B303	BKZ UHV B306	SRM CA B305	HKB PM B308	MPS	Prof Margil Shah	9904405918	
	2:25 3:20	HJP CA B302	HHB PM B304	NDP LIT E B303	SVP CA B306	JDK PM B305	TBS LIT M B308	PRPM	Dr Prashant Pandya	9904405943	
								NDP	Dr Nirupama Patel	8347010861	
7/10/2021	9:05 10:00	SVP PA	CTB PA	ARS PA	HJP PA	PSU PA	MDU PA	MSS	Dr Mihir Suthar	8347010889	
	10:00 10:55	LAWN	LAWN	LAWN	LAWN	LAWN	LAWN	TBS	Prof. Tejas Shah	8866810061	
	11:25 12:20	MGV LIT M B302	ABP UHV B304	PPM CA B303	PBP	SVK Lectures by Eminent People	SRP	MDP	Mr Maulik Panchal	9998115823	
	12:20 1:15	AAS	MPM Lectures by Eminent People	NDT	PRPM LIT E B306	JDV UHV B305	VRP CA B308	MDP	Ms. Mansi Vaishnani	8866741389	
	1:30 2:25	JRP CA B302	MGV LIT M B304	PPM UHV B303	HJP CA B306	SSPM LIT E B305	DHP UHV B308				
	2:25 3:20	PVS UHV B302	JMC CA B304	MGV LIT M B303	NVK UHV B306	SRM CA B305	MDP LIT M B308				
8/10/2021	9:05 10:00	SAB PA	CAP PA	PRP PA	BKZ PA	ARS PA	CVB PA				
	10:00 10:55	LAWN	LAWN	LAWN	LAWN	LAWN	LAWN				
	11:25 12:20	SBP CA B302	HHB PM B304	NDP LIT E B303	SVP CA B306	PRP PM B305	MDP LIT M B308				
	12:20 1:15	AAS UHV B302	MMD CA B304	MRS PM B303	NHP UHV B306	SRM CA B305	VRP PM B308				
	1:30 2:25	SSPM LIT E B302	CAP UHV B304	HTM CA B303	MDP LIT M B306	JDV UHV B305	SKC CA B308				
	2:25 3:20	RGJ PM B302	NDP LIT E B304	PPM UHV B303	NHP PM B306	MSS LIT M B305	JAK UHV B308				
11/10/2021	9:05 10:00										
	10:00 10:55										
	11:25 12:20	Closing Phase B302	Closing Phase B304	Closing Phase B303	Closing Phase B306	Closing Phase B305	Closing Phase B308				
	12:20 1:15	PVS	KDS	RGJ	HJP	SVP	JMP (ME) PRP (CL)				
	1:30 2:25										
	2:25 3:20										
12/10/2021	9:05 10:00										
	10:00 10:55										
	11:25 12:20	Orientation & Departmental Interaction HAS	Orientation & Departmental Interaction DDV	Orientation & Departmental Interaction SBP	Orientation & Departmental Interaction NVK	Orientation & Departmental Interaction BKZ	Orientation & Departmental Interaction MPM(EC) JMP (ME) PSU (CL)				
	12:20 1:15										
	1:30 2:25										
	2:25 3:20										

Dr H N Shah  
Director

Activity	Activity Full Name
PA	Physical activity
CA	Creative Arts
UHV	Universal Human Values
LIT M	Literary Maths
LIT E	Literary English
PM	Proficiency Modules
EL	Lectures by Eminent People, Expert Lectures
INNO	Innovations