

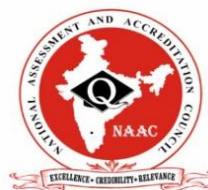


DVV CLARIFICATION

Report having

- List of activities
- Brochure
- Activity Details
- Photographs

Submitted to



NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL



CYCLE 1
NAAC Accreditation 2023

LANGUAGE AND COMMUNICATION SKILLS

Submitted to



NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

5.1.2 Following capacity development and skills enhancement activities are organized for improving students' capability

2. Language and communication skills

Year	Name of the capacity development and skills enhancement program	Period (from date - to date)	Number of students enrolled	Name of the agencies/experts involved with contact details (if any)
2023	Session on Magic In the classroom 2023 Series	31st January 2023 and 2nd february 2023	39	Ms. Pooja Mehta
2023	Event on Language of Money	04 July 2023	300	Mr. Dhiren Parekh
2023	Celebration Of Creativity & Innovation In Design Engineering And Journaling Exhibition	02 February 2023	150	SPB Patel Engineering College
2021	Expert Lecture - Time Management	21 July 2021	31	Prof. Mehul Patel
2021	Event on Bridge Course	13 July 2021	150	SPB Patel Engineering College
2021	Exper talk on Hyperloop One – Design- Issues and Challenges	20 March 2021	36	Mr. Harsh Jani, SAI Systra
2021	Expert-Lecture-Basic engineering drawing	31 January 2021	60	Prof. Bhupendra Bhatt
2021	Expert-Lecture-Applied-Mechanics	16 January 2021	10	Prof. Dharmendra Kandoi
2020	Activity of 'MY INDIA, MY VISION'	24 December 2020	100	SPB Patel Engineering College
2020	Expert Lecture: Basics of Trigonometry	19 December 2020	54	Dr. Amisha Patel
2020	Event on Marketing Of Engineering Product	20 February 2020	50	SPB Patel Engineering College
2019	Expert Lecture- Time Management	14 December 2019	122	Dr. Vishnu Awasthi
2019	Expert Lecture- English	12 December 2019	68	Prof. Parixit C. Pandya
2019	Expert Lecture- Mathematics	11 December 2019	156	SPB Patel Engineering College
2019	Workshop on English Grooming Workshop On 'The Art Of Writing'	09 January 2019	40	Dr. Pooja Mehta
2018	Expert Talk on Construction projects	07 September 2018	75	Mr. Harshal Parikh

Session on **MAGIC IN THE CLASSROOM**

-By Ms. Pooja Mehta



**31 January, 2023 and
2nd February 2023**



**S.P.B. PATEL
ENGINEERING COLLEGE**
SAFFRONY INSTITUTE OF TECHNOLOGY CAMPUS

MAGIC IN THE CLASSROOM 2023 SERIES

Theme: Reflection and Reflective Practices

Dates: Batch 1 - January 31, 2023,
Batch 2 - February 2, 2023

Conducted by: Dr. Pooja Mehta

The second session of the Faculty Development Program (FDP) series, titled "Let's Create Magic in the Classroom," took place on January 31 and February 2, 2023. The overarching theme of the FDP is centered around the clarity of vision, goal creation, and the achievement of shared visions. The first session laid the foundation for these principles. The second session focused on the importance of reflection and reflective practices in achieving goals and continuous improvement.

Objectives of the Session:

1. Promote Reflective Practices: To emphasize the significance of purposeful reflection in the teaching and learning process.
2. Create a Culture of Continuous Improvement: To instill a culture of reflection for continuous enhancement in teaching methodologies.
3. Engage Faculty in Reflection Activities: To engage faculty members in reflective activities that enhance their teaching practices.

Key Highlights:

1. Structured Reflection Cycle: The session highlighted the importance of a structured cycle of self-observation and self-evaluation for continuous learning.
2. Interactive Activities: Engaging and interactive activities were designed to encourage faculty members to reflect on their teaching experiences.
3. Reflective Questions: Dr. Pooja Mehta presented reflective questions for teachers to ponder upon, fostering deeper insights into their teaching practices.
4. Discussion and Sharing: Participants actively discussed and shared nuances of reflective learning and teaching.
5. Culmination with Sharing: The session concluded with each participant sharing their experiences, insights, and plans for incorporating reflective practices in their teaching.

Session Design and Delivery:

1. Experience Creation: Dr. Pooja Mehta designed the session to create a unique experience for participants, using interesting activities and discussions.
2. Reflective Questions: The presentation included thought-provoking reflective questions to guide faculty members in their introspection.
3. Nuanced Discussion: The session facilitated nuanced discussions on the challenges and benefits of reflective teaching and learning.
4. Sharing of Experiences: A participative model was adopted, encouraging each participant to share their reflections and experiences.

Outcomes:

1. Enriching Experience: Participants found the session to be an enriching experience, providing a different perspective on teaching and learning.
2. Understanding Reflective Practices: Faculty members gained a deeper understanding of the role and impact of reflective practices in education.
3. Commitment to Continuous Improvement: The session cultivated a commitment among participants to incorporate reflective practices for continuous improvement.

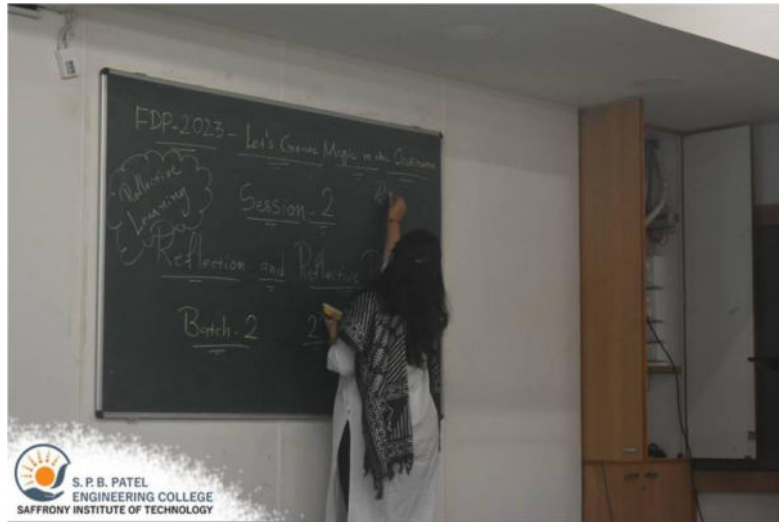
Conclusion:

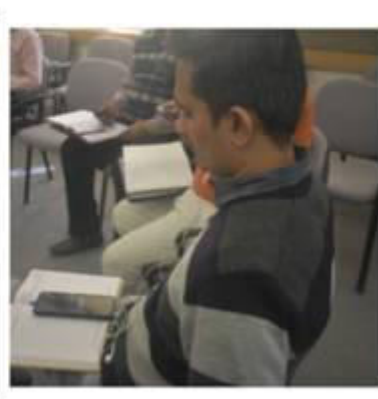
The second session of the FDP - Magic in the Classroom 2023 Series on Reflection and Reflective Practices, conducted by Dr. Pooja Mehta, successfully achieved its objectives. The engaging and participative nature of the session contributed to the creation of a culture of reflective practice among the faculty, fostering continuous improvement in teaching and learning.

Photographs:











S.P.B. PATEL
ENGINEERING COLLEGE
SAFFRONY INSTITUTE OF TECHNOLOGY CAMPUS



EVENT ON

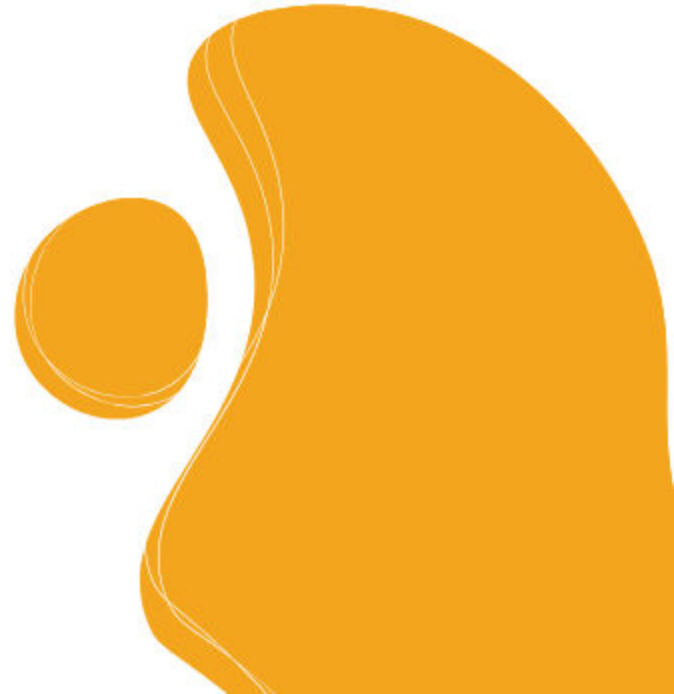
LANGUAGE OF MONEY



BY MR. DHIREN PAREKH

 4 July, 2023

 S.P.B. patel engineering college, Mehsana.



Report on Language of Money

Date: July 4, 2023

Participants: 300

Conducted by: Dr. Dhiren Parekh

Coordinated by: Dr. Pooja Mehta

As part of the 'Let's Celebrate Life' initiative, Saffrony Institute of Technology organized the event "Language of Money" on July 4, 2023. This initiative, led by finance expert Dr. Dhiren Parekh, was designed to nurture students' financial literacy and empower them with essential financial acumen.

Event Highlights:

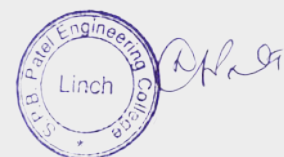
- Expert Facilitation: Dr. Dhiren Parekh, a finance expert, led the session, bringing a wealth of theoretical knowledge and practical application to bridge the gap between academic learning and real-world financial scenarios.
- Financial Literacy Focus: The event focused on imparting financial literacy to the 300 participants, ensuring they gain a comprehensive understanding of the language and concepts associated with money management.
- Disciplined Approach: Dr. Parekh emphasized the importance of a disciplined and informed approach toward personal finance. The program aimed not only to provide theoretical knowledge but also to instill practical skills for effective financial decision-making.
- Empowerment: The session aimed to empower students, equipping them with the necessary tools and knowledge to make informed financial decisions throughout their academic and professional journeys.
- Interactive Learning: The event fostered interactive learning, allowing participants to engage directly with Dr. Parekh, ask questions, and participate in discussions. This dynamic interaction enhanced the overall learning experience.

Outcome:

The "Language of Money" event proved to be a pivotal initiative in nurturing financial literacy among the 300 participants. Dr. Dhiren Parekh's expertise and the interactive nature of the session contributed to a well-rounded educational experience.

Conclusion:

Saffrony Institute of Technology expresses gratitude to Dr. Dhiren Parekh for his valuable contribution to the "Language of Money" event. The institution remains committed to fostering financial literacy and ensuring students are well-prepared for the financial challenges and decisions they may encounter in their academic and professional journeys.



CELEBRATION OF CREATIVITY & INNOVATION IN DE AND JOURNALING EXHIBITION - 2023

Date: January 2, 2023

Saffrony Institute of Technology celebrated creativity and innovation through a series of events, showcasing Design Engineering (DE) projects and a Journaling Exhibition. The event aimed to exhibit students' creative and innovative endeavors in solving real-world problems.

Design Engineering (DE) Projects:

1. Theme and Objective: The theme focused on Design Thinking, where 2021 Batch 3rd semester students formed teams to address challenges in various domains such as Transportation, Education, Healthcare, Agriculture, etc. The objective was to observe, empathize, define problems, and ideate innovative solutions.
2. Student Participation: Twenty-four teams were formed, each addressing a specific domain, guided by the DE Core Team - Prof. Akshay Kansara, Prof. Avani Dedhia, and Prof. Jignesh Kadia. Students displayed their ideas through canvases, presentations, and prototypes, showcasing their creative solutions.
3. Exhibition Purpose: The exhibition served as a platform to celebrate and encourage students' efforts. It invited the student fraternity and faculty members to appreciate and provide valuable feedback, fostering a culture of innovation.

Journaling Exhibition:

1. Journaling Challenge: As part of the ETC curriculum, over 110 3rd-semester students participated in a 65-day Journaling challenge. Dr. Pooja Mehta provided daily prompts, encouraging students to explore their inner world through various modes of expression, such as writing, drawing, sketching, etc.
2. Exploration of Self-Development: The Journaling Challenge went beyond a mere writing exercise, becoming a journey inward for self-development. Students delved into their opinions, views, habits, qualities, and attributes, enhancing their communication skills.

Exhibition Highlights:

1. Symbol of Creativity: The exhibition became a symbol of creativity and self-expression, showcasing the wealth of talent and potential within the student body.

2. Faculty Involvement: The faculty members actively engaged with the projects, providing valuable insights and ideas to further enhance the students' work.

3. Encouragement and Appreciation: Students received appreciation for their creative DE projects and well-expressed journals, fostering a positive and encouraging atmosphere.

Conclusion:

The Celebration of Creativity & Innovation in DE and Journaling Exhibition on January 2, 2023, demonstrated the remarkable talent and potential of Saffrony Institute of Technology's students. The event not only showcased innovative solutions to real-world problems through DE projects but also highlighted the introspective journey of students in the Journaling Exhibition, contributing to their holistic development.

Photographs:



TEAMS WITH THE HIGHEST AUDIENCE RATINGS



3 JANUARY 2023



S. P. B. PATEL
ENGINEERING COLLEGE
SAFFRONY INSTITUTE OF TECHNOLOGY

GLIMPSE OF DE EXHIBITION



2 JANUARY 2023



S. P. B. PATEL
ENGINEERING COLLEGE
SAFFRONY INSTITUTE OF TECHNOLOGY



S.P.B. PATEL
ENGINEERING COLLEGE
SAFFRONY INSTITUTE OF TECHNOLOGY CAMPUS



GLIMPSE OF JOURNAL EXHIBITION



2 JANUARY 2023



S. P. B. PATEL
ENGINEERING COLLEGE
SAFFRONY INSTITUTE OF TECHNOLOGY

BRANCH WISE BEST TEAMS BY JUDGES

COMPUTER



COMPUTER



MECHANICAL



IT



CIVIL



3 JANUARY 2023



S. P. B. PATEL
ENGINEERING COLLEGE
SAFFRONY INSTITUTE OF TECHNOLOGY



Expert Lecture on Time Management (2021)

21 July 2021



Prof. Mehul Patel

Join us for an insightful session on
mastering time management techniques for
academic and personal success.



**S. P. B. PATEL
ENGINEERING COLLEGE**
SAFFRONY INSTITUTE OF TECHNOLOGY CAMPUS

1st July 2021

Report of
Expert Lecture
Time Management

Prof. Mehul Patel
(Head,
Humanities & Sciences Department,
S.P.B. Patel Engineering College)

Prepared by:
Prof. Mehul Patel
Humanities & Sciences Department

Report on Expert Lecture- Time Management

Name of Resource Person: Prof. Mehul Patel

Designation and Institute details: Head, S.P.B. Patel Engineering College

Date: 1st July, 2021

Duration: 10:00 am to 11:00 am

Venue: Google Meet- Online

No. of Participants: 31 students of 5th sem Mechanical & Civil Engineering of the institute

Introduction and Objective:

The purpose of conducting the training program was to educate the students about Time Management. Time management is the process of planning and controlling how much time to spend on specific activities. Good time management enables an individual to complete more in a shorter period of time, lowers stress, and leads to career success.

Workshop details:

An online expert lecture on 5th Semester on 1/7/2021 (Thursday) organized by S.P.B. Patel Engineering College.

The event was moderated by Prof. Mehul V. Patel (Head- H & Sc.). The topic of the expert lecture was “Time Management”.

The expert lecture started with the introduction of expert Prof. Mehul Patel (Lecturer – S.P.B. Patel Engineering College). Other faculty members and students welcome the Speaker.

The speech of highly experienced Prof. Mehul Patel gave an illustrative presentation about Time Management. He shared the brilliance of Time Management and taught a few tricks to the students.

He gave various examples and in hand practice to the students to grasp the tricks spontaneously. Students showed keen interest in the knowledge imparted by Prof. Mehul Patel and participated in the expert lecture with zeal and enthusiasm.

Total 31 students & faculty members attended the expert lecture.

The students asked different types of questions related to the topic. Outcome of the lecture was students able to crack uncomplicated problem-solving methods for difficult arithmetic problems and large sums.

Students were very happy to get a chance to interact with Prof. Mehul Patel followed by a doubt clearing session. They also thank Department for organizing such an informative talk.

At the end, faculty members and Students appreciate the speaker.

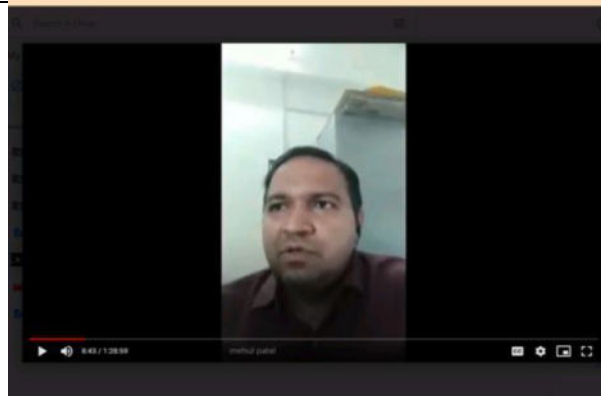


Yours Sincerely,

Prof. Mehul Patel

HoD H & Sc., Lecturer, Humanities & Sciences Department

Approved By
Prof. M. A. Patel



SAFFRONY INSTITUTE OF TECHNOLOGY

Bridge Course

Date: July 13, 2021

The Saffrony Institute of Technology commenced its Bridge Course for the academic year 2021, designed to facilitate a seamless transition for the newly admitted cohort of 12th Science students into the world of Engineering. The event, held on July 13, 2021, saw the enthusiastic participation of faculty members from various departments, creating an environment filled with energy and anticipation.

Objective:

The primary objective of the Bridge Course was to welcome and introduce the incoming students to the Saffrony family. The program aimed to familiarize them with the university, the institute, faculty members, seniors, and provide valuable insights into tips, tricks, and technologies essential for their successful journey through the academic rigors of Engineering.

Participants:

The event brought together faculty members from diverse departments, ensuring that the new students were introduced to the breadth of expertise available within the institute. This approach aimed to create a sense of inclusivity and foster a collaborative spirit among the academic community.

Activities:

1. Warm Welcome: The event kicked off with a warm welcome to the promising engineers, setting the tone for the entire Bridge Course. This introductory session aimed to create a sense of belonging among the students.
2. Orientation Sessions: Various orientation sessions were conducted to familiarize the students with the university's facilities, the institute's

structure, and the roles of faculty members. These sessions provided a comprehensive overview of what to expect in their academic journey.

3. Interaction with Faculty: Students had the opportunity to interact with faculty members from different departments, fostering a sense of connection and providing insights into the various disciplines of engineering.

4. Senior Interaction: The Bridge Course facilitated interactions between the incoming students and seniors, creating a mentorship environment. This platform allowed seniors to share their experiences and offer guidance to the newcomers.

5. Information on Student Life: Practical tips, tricks, and technological insights relevant to student life were shared. This information aimed to equip students with the tools they need to navigate their academic journey successfully.

Conclusion:

The Bridge Course at Saffrony Institute of Technology for the academic year 2021 was a resounding success. It not only served its purpose of orienting the students but also fostered a sense of community within the institute. The energy and anticipation observed during the event set a positive tone for the upcoming academic year.

As the newest cohort of engineers embarks on their educational journey, the institute remains committed to providing a supportive and enriching environment, ensuring their growth and success in the field of engineering.

Photographs:





Expert Talk on Hyperloop One - Design Issues and Challenges (2021)



Mr. Harsh Jani
SAI Systra



20 MARCH 2021



**TIME
11:00AM**

Explore the fascinating world of Hyperloop technology and delve into the design challenges faced in its implementation.

S.P.B. Patel Engineering College
Civil Engineering Department
Expert Session on
“Hyperloop One – Design- Issues and Challenges”

Date: 20th March 2021

Expert; Mr. Harsh Jani, Design Engineer, SAI Systra

Faculty Co-ordinators: Prof Rajat Mishra

The Civil Engineering Department organized an expert session on “Hyperloop One – Design – Issues and Challenges” for all semester students. The date of the expert session was 30th march 2021. The session was delivered by Mr. Harsh Jani, Design Engineer, SAI Systra, Ahmedabad. Mr Jani has been associated with the alignment design of the Virgin Hyperloop One between Mumbai – Pune.

The session started with Mr. Jani giving a brief introduction about the hyperloop technology and its need in present times. He mentioned that Hyperloop is a potential new form of high-speed transportation for the movement of passengers and freight over long distances. The key component of the Hyperloop concept is the use of low-pressure tubes to move vehicles (pods) at speeds rivalling air travel. The adaptation of a low-pressure environment within the tubes minimizes aerodynamic drag (see Figure 1), allowing vehicles (pods) to reach and maintain higher speeds than existing ground-based modes of transportation while using less energy. Like railways, Hyperloop vehicles would operate within a fixed guideway environment but without the wheels that generate significant rolling friction at high speeds. Instead, the vehicles would use magnetic levitation (MagLev) along with electromagnetic (and/or aerodynamic) propulsion to glide along a fixed guideway, similar to existing MagLev technologies.

He discussed about the infrastructure need of the Hyperloop in detail and the challenges faced in providing the alignment. The primary infrastructure feature of the Hyperloop system is a continuous low-pressure tube connecting two locations that would either be installed underground, effectively creating a tunnel, or elevated above ground using pylons. However, in dense urban areas with no suitable corridor, the below surface format (underground solution) would provide an alternative option. The below surface format is less preferable due to the cost of boring/cut and cover construction techniques and potential existing utility conflicts.

The above-ground design allows for easier access maintenance and security, a lower infrastructure footprint relative to most other transport infrastructure installed at-grade, and the potential for increased corridor capacity in congested areas. The travel speeds envisaged will limit the maximum curvature and gradient of the infrastructure alignment, which might limit the number of suitable routes in urban areas. A clear benefit of the pressurized tube, whether constructed underground or elevated, is that it can potentially protect the system from adverse environmental effects, such as flooding or bad weather, and removes the possibility of vegetation or wildlife impeding the path of the vehicles, notionally reducing maintenance costs and the risk



of service disruption along the corridor. There was a challenge in the construction of Hyperloop infrastructure underground as the high speed of travel coupled with the long, continuous tube structure can result in a high damaging vibrations.

Mr. Jani also discussed in short about the various social and political challenges, propulsion technology, cost benefit analysis and the speed and time.

The session was followed by the question and answer session. The participants were full of various questions, as what will be the travel time, what would be the fair, is there really need for such a system. The expert provided the participants with all the answers satisfactorily.

Overall it was a great session and the participants gained enormous learning from the session.

The Department thanked Mr. Harsh Jani for the effort and sparing his valuable time for the benefit of the students.





S.P.B. PATEL
ENGINEERING COLLEGE
SAFFRONY INSTITUTE OF TECHNOLOGY CAMPUS

EXPERT LECTURE BASIC ENGINEERING DRAWING (2021)

**PROF.
BHUPENDRA
BHATT**

31 JANUARY 2021

Learn the fundamentals
of engineering drawing and
enhance your skills in visual communication.





**S. P. B. PATEL
ENGINEERING COLLEGE**
SAFFRONY INSTITUTE OF TECHNOLOGY CAMPUS

30, 31 Dec 2020

**Report on
EXPERT LECTURE ON
BASIC ENGINEERING DRAWING
SESSION-1 & 2**

Prepared By:
Prof. Nikunj Patel
Mech. Eng. Department

Report on expert lecture on Basic Engg Drawing

Name of Participant: Students of 1st sem of auto, mech, civil students

Role: Coordinator

Name of Resource Person: Prof. Bhupendra Bhatt

Organized by: Saffrony Institute of Technology

Date: 30, 31 Dec 2020

Duration: 03 pm to 4 pm

Venue: Google meet Online Meeting Application

No. of Participants: Approx 60 students

Introduction and Objective:

It is said experience cannot be earned. The experience of prof. Bhupendra sir in some subject is more than 15 years. So we should gain knowledge through his experience and student can also be benefited with it. The objective of the expert lecture is to acquire knowledge through highly qualified and experienced teacher and can get a chance to induct the knowledge.

Workshop details:

The Heading of the webinar is “The projection of point and line”

The webinar started with an introductory speech of Prof. Bhupendra Bhatt.

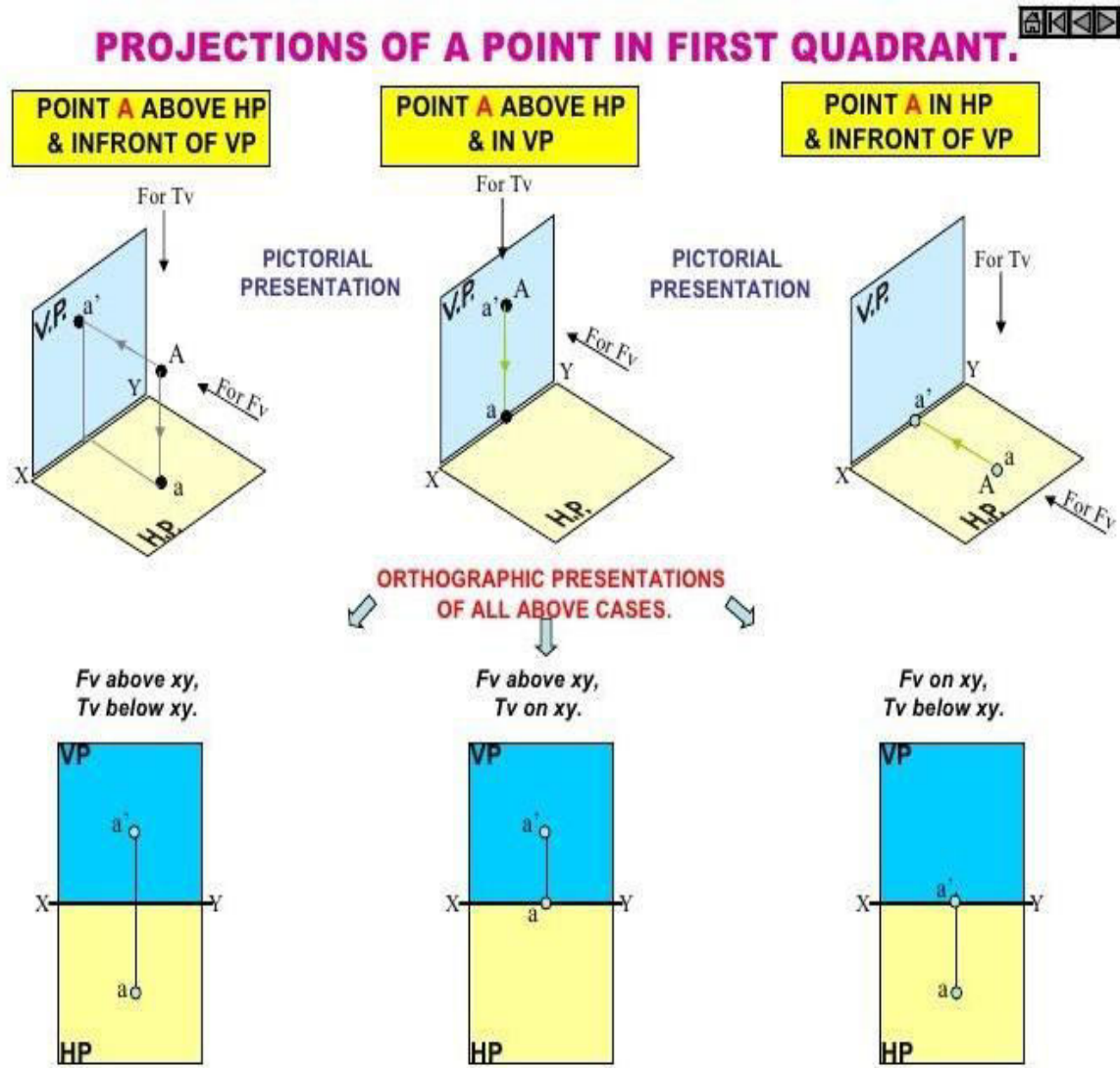
Mr. Bhatt shared some slide about key point and definition of projection and use of it in practical engineering field.

Definition of projection: Projection of Lines • A straight line is the shortest distance between two points. • Top views of two end points of a straight line, when joined, give the top view of the straight line. • Front views of the two end points of a straight line, when joined, give the front view of the straight line.

The projection of a point is its shadow on the paper sheet. The shadow of a point on the paper sheet is this point itself (identity). The projection parallel to a direction D, onto a plane or parallel projection: The image of a point P is the intersection with the plane of the line parallel to D passing through P

APPLICATION OF PROJECTION OF POINT AND LINE.

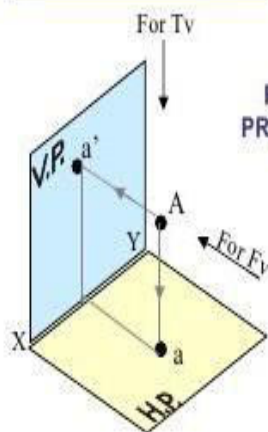
It is one of the most critical operations in computer aided geometric design and applications, and efficient and robust computation of orthogonal projection is essential for various operations such as computation of closest point (foot-point) on a curve or a surface, parameter estimation of a point in space



PROJECTIONS OF A POINT IN FIRST QUADRANT.

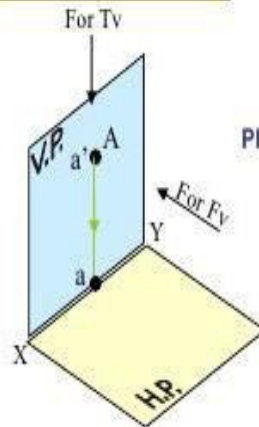


**POINT A ABOVE HP
& INFRONT OF VP**



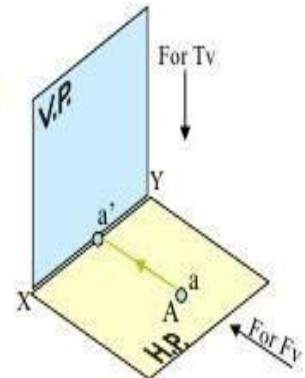
PICTORIAL
PRESENTATION

**POINT A ABOVE HP
& IN VP**



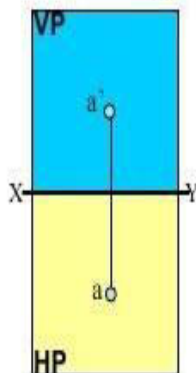
PICTORIAL
PRESENTATION

**POINT A IN HP
& INFRONT OF VP**

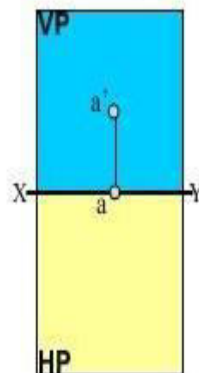


ORTHOGRAPHIC PRESENTATIONS
OF ALL ABOVE CASES.

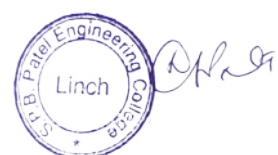
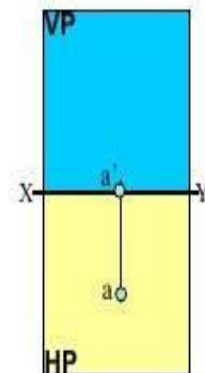
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Tv below xy.*



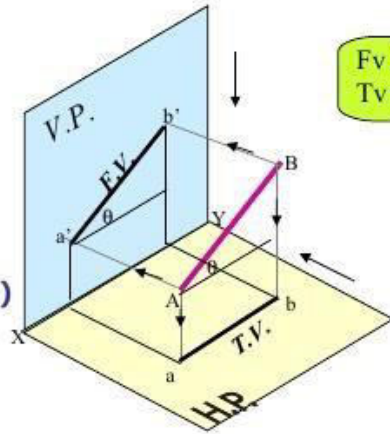
*Fv above xy,
Tv on xy.*



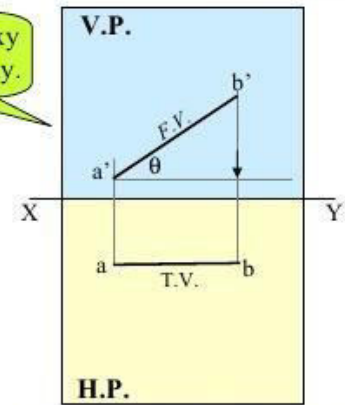
*Fv on xy,
Tv below xy.*



3.
A Line inclined to Hp
and
parallel to Vp
(Pictorial presentation)

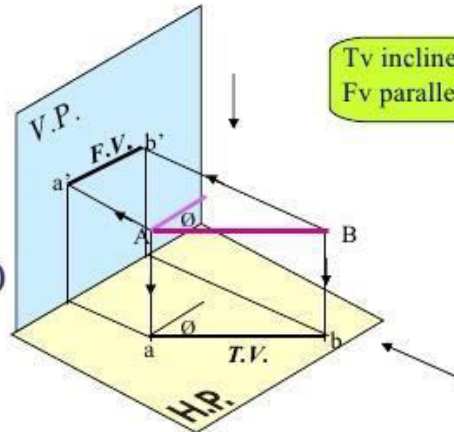


Fv inclined to xy
Tv parallel to xy.

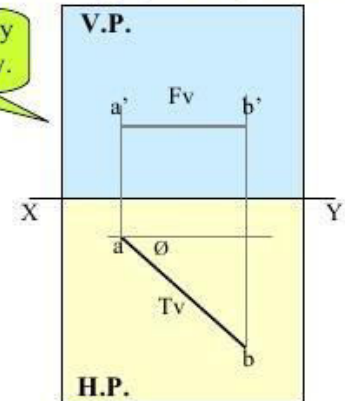


Orthographic Projections

4.
A Line inclined to Vp
and
parallel to Hp
(Pictorial presentation)



Tv inclined to xy
Fv parallel to xy.



At last, workshop session is done (question answer session) Prof. Bhatt sir gives a closing speech at the end of webinar.

I am very much thankful to Prof. M.A. Patel & college management for granting me permission to coordinate this webinar which helped me to nurture my skills in teaching and also different methods to use in my classroom for students and it will help a student a lot.

Plan of Action:

I will try to focus on exploring all new process and objective of education which will help me as well as students as well.

Yours Sincerely,

Asst. Prof. Nikunj Patel
Lecturer, Mech. Engg. Department



Approved By
Prof. Ramprakash Inani
HoD of Mechanical Engg. Department



S.P.B. PATEL
ENGINEERING COLLEGE
SAFFRONY INSTITUTE OF TECHNOLOGY CAMPUS



EXPERT LECTURE APPLIED MECHANICS (2021)

Prof. Dharmendra Kandoi

**Gain insights into
the principles of
applied mechanics
and their practical
applications in
engineering.**

16 JANUARY 2021



**S. P. B. PATEL
ENGINEERING COLLEGE**
SAFFRONY INSTITUTE OF TECHNOLOGY CAMPUS

16 Jan 2021

Report on
EXPERT LECTURE
ON
APPLIED MECHANICS

Prepared By:
Prof. Bishikeshan Das
Mech. Engg. Department

Report on Expert Lecture on Applied Mechanics

Name of Participant: Auto mobile 1st sem students (Mech. Eng. Department)

Role: Coordinator

Name of Resource Person: Prof. Dharmendra Kandoi

Organized by: Saffrony Institute of Technology

Date: 23 Jan 2021

Duration: 9.30 am to 11.00 am

Venue: Google meet Online Meeting Application

No. of Participants: Approx. 10 students

Introduction and Objective:

Our mind always wants new things. It gets bored with the same thing or person also it can receive more by new method and process. So the objective of this expert lecture is to provide conceptual knowledge and to clear students doubt in a convincing way which will help them to interact with outside faculty and also in exam.

Workshop details:

The Heading of the webinar is “coplanar concurrent forces”

The webinar started with an introductory speech of Prof. Dharmendra Kandoi. He started the chapter with the definition and meaning of coplanar, concurrent and their applications. Sir also beautifully explained through 3-D paint. Sir also discuss about parallelogram law of forces, super position of forces, Lami's theorem and also applications .

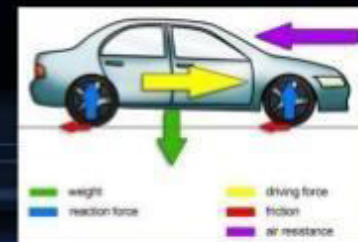
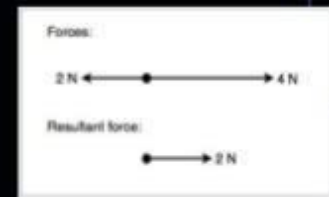
Prof. Kandoi sir shared some slide about key point and application of forces in our day to day life which was so attractive.

We can list out some key points that come across when attended this webinar

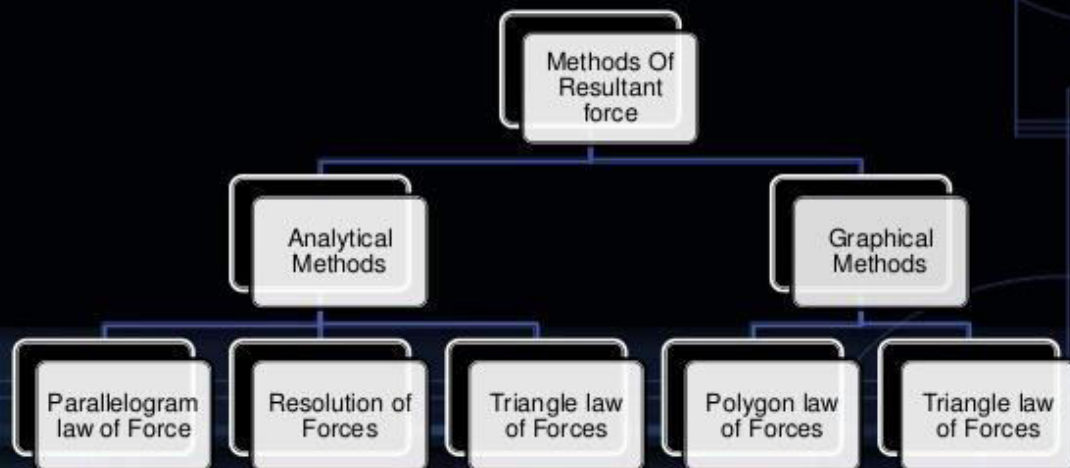
1. what is coplanar
2. what is collinear
3. parallelogram law of forces
4. Lami's theorem

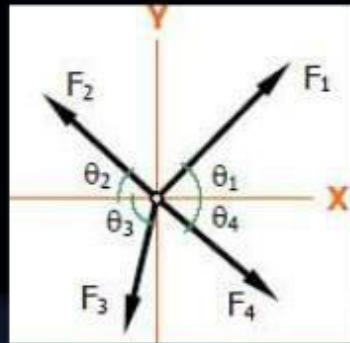
RESULTANT OF COPLANAR CONCURRENT FORCES SYSTEM :-

- A **resultant force** is the single **force** and associated torque obtained by combining a system of **forces** and torques acting on a rigid body.
- The defining feature of a **resultant force** is that it has the same effect on the rigid body as the other original system of **forces**.

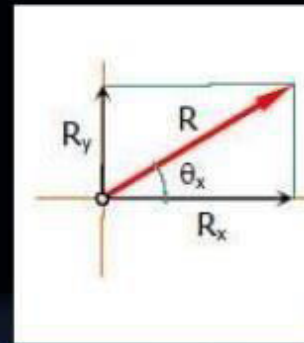


The Methods to find out Resultant Force :-





Space Diagram

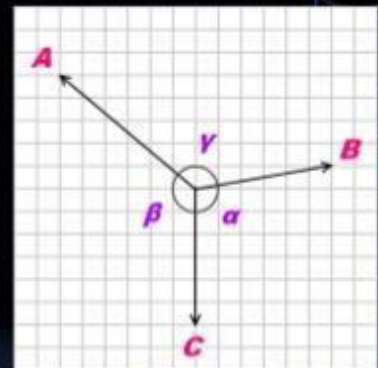


Vector Diagram

LAMI'S THEOREM :-

- If three coplanar forces acting at a point be in equilibrium , then each force is proportional to the sine of angle between other two sides.
- Applying Lami's theorem on given figure, we have;

$$\frac{A}{\sin \alpha} = \frac{B}{\sin \beta} = \frac{C}{\sin \gamma}$$

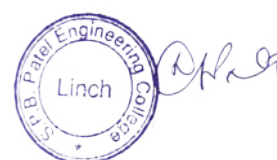


At last, Prof. Dharmendra Kandoi sir gives a closing speech at the end of the webinar.

I am very much thankful to Prof. M.A. Patel & college management for granting permission to coordinate this webinar which helped me to nurture my skills and also for students for developing their knowledge.

Plan of Action:

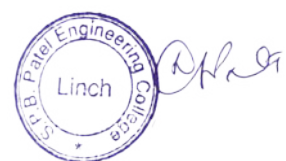
I will try to focus on exploring all new processes and objectives of application of forces which will help me as well as students as well.



Yours Sincerely,

Asst. Prof. Bishikeshan Das
Lecturer, Mech. Engg. Department

Approved By
Prof. Ramprakash Inani
HoD of Mechanical Engg. Department





Event on

MY INDIA, MY VISION



24, 25, 31 March 2020

S.P.B. patel college of
engineering, Mehsana

saffrony.ac.in

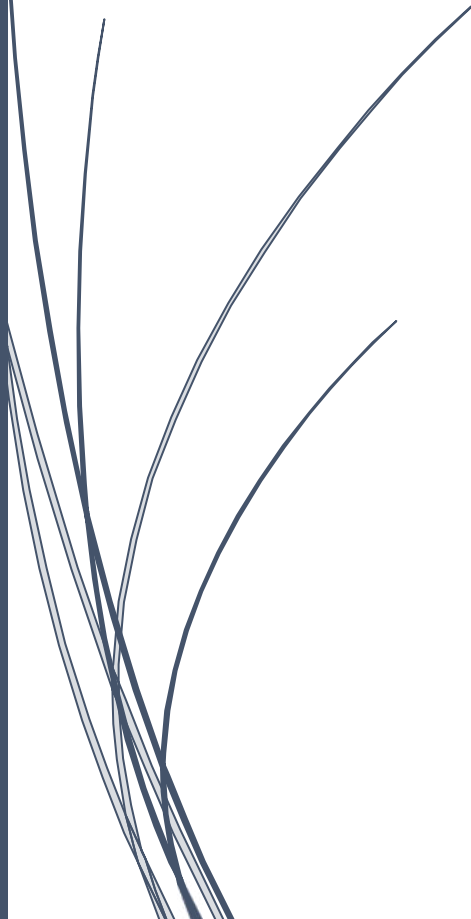


**S. P. B. PATEL
ENGINEERING COLLEGE**
SAFFRONY INSTITUTE OF TECHNOLOGY CAMPUS



Report on
**"MY INDIA, MY
VISION" Activity**

March 2020



"MY INDIA, MY VISION" Activity

Date: March 24, 25, and 31, 2020

Participants: 100 students

Organized by: CIVIL Department, Saffrony Institute of Technology

"Personal Development is a major time-saver; the earlier you become better, the less time it takes you to achieve your goals."

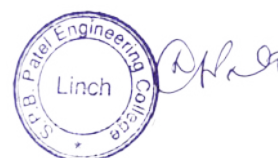
The academic year 2020 witnessed a creative change in the syllabus at Saffrony Institute of Technology, as GTU introduced the Integrated Personality Development Course (IPDC). To foster moral values, ethics, and awareness among students, the Civil Department and IPDC Team organized an impactful activity titled "MY INDIA, MY VISION" for all 6th-semester students. The primary aim was to encourage students to step out of their comfort zones, promote healthy team interaction, enhance leadership skills, cultivate mutual respect, and, most importantly, improve communication abilities.

Activity Overview:

1. Context - Vision India 2030: The activity was aligned with the theme of Vision India 2030, focusing on the development of moral values and a sense of responsibility among the students.
2. Team Formation and Sectors Allocation: Students were divided into 10 teams, and each team was allocated a specific sector related to the development of India. The sectors included Defense, Medical, Trade and Diplomacy, Economics, Science and Technology, Infrastructure and Transportation, Agriculture, Aeronautical, Education, and Vision India 2030.
3. Challenging Exercise - Minimizing Internet Use: To make the activity more challenging and engaging, students were given the task of minimizing the use of the internet during the preparation phase.

Activity Execution:

1. Teamwork and Creativity: The participating students exhibited incredible teamwork and creativity during the preparation and presentation phases of the activity.



2. Sector-Specific Development Plans: Each team presented comprehensive plans for the development of their assigned sector, showcasing innovative ideas and strategies for the progress of India.

3. Encouragement and Feedback: The Heads of Departments (HoDs) and faculty members present during the presentations provided valuable feedback and motivation to the teams. Their insights and reviews reinforced the students' efforts and encouraged them to strive for excellence.

Outcomes:

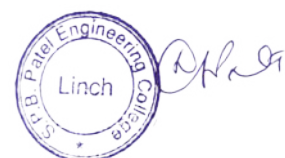
1. Enhanced Soft Skills: The activity successfully enhanced students' soft skills, including teamwork, communication, and leadership.

2. Critical Thinking and Innovation: Students demonstrated critical thinking and innovative problem-solving in their development plans for various sectors.


3. Motivation and Reinforcement: The presence and encouragement of HoDs and faculty members served as a source of motivation, reinforcing the students' commitment to performing exceptionally well.

Conclusion:

"MY INDIA, MY VISION" activity not only aligned with the objectives of the Integrated Personality Development Course but also provided students with a platform to showcase their talents, collaborate effectively, and contribute to the vision of India 2030. The success of the activity is a testament to the commitment of the institute in fostering holistic development among its students.



Photographs:



Make in India

- Harshwardhan started to work on a landmine project since 2016 after reading about a heavy casualty in the Indian army due to landmines. There he decided to build the drone. He told news reporters "I first created a land mine detecting robot but realized that since the weight is heavy it would trigger a blast and damage it so I thought of creating a drone which will be at a safe distance while detecting the mines".

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PROS AND CONS

Pros

- ☐ Easy and Fast Communication
- ☐ Work done faster
- ☐ Easy and lavish lifestyle
- ☐ Solves problems
- ☐ Provides logic and understanding
- ☐ Parameter of development

Cons

There are no cons to science and technology until and unless it goes into wrong hands with evil intentions.

- ☐ Hiroshima and Nagasaki – Big misuse of science and technology!
- ☐ Terrorist activities
- ☐ Harmful testings on animals and plants

Talking about everyday life, we need to monitor the usage strictly for a few things like mobile phones.

All in all, whatever it is, lies in our hands!

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MSME (MICRO SMALL MEDIUM ENTERPRISE)

- India has approximately 6.3 crore MSMEs.
- The Indian MSMEs sector contributes about 29% towards the GDP through its national and international trade.
- The number of registered MSMEs grew 18.5% Y-o-Y to reach 25.13 lakh (2.5 million) units in 2020 from 21.21 lakh (2.1 million) units in 2019.
- Government initiative for enhancement of MSME is "Make in India", "Startup India", "Skill India".

CRITERIA	MANUFACTURING		SERVICE	
	TURNOVER	INVESTMENT (X)	TURNOVER	INVESTMENT (X)
Micro	₹5 crore	₹25 Lakh > x	₹5 crore	₹10 Lakh > x
Small	₹50 crore	₹5 crore > x > ₹25 Lakh	₹50 crore	₹2 crore > x > ₹10 Lakh
	₹250 crore	₹10 crore > x > ₹5 crore	₹250 crore	₹5 crore > x > ₹2 crore

FUTURE SCOPE

RESEARCH

Now there are many active aerospace companies in India. Most of the companies are in the service field rather than in production field.

AIRBUS

The European multinational company has started an engineering center in Indraprastha, Bangalore which focuses on development of the engineering.

MARKET VALUE

By 2027 India's share in aviation industry will become a 70 billion USD industry in world market which now is only 250 million USD.

EMPLOYMENT

Boeing has a long relationship with India's commercial and defense sector. Boeing India has its headquarters in Delhi and research center in Bangalore with total of 500 employees.

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Ramesh Nair
(Manager, Anures
Fabrication Ltd.)

In the past decades, trade was considered as a typical process which consumed more time.

Now due to digitalization this made significant change which proved profitable & less laborous.

Now due to digitalization this made way to access the international market & also to export our product considering the past.

Due to lack of knowledge in the field of Digital platform, many face problems accessing the benefits from the policies.

Step should be taken to create awareness regarding this and check that everyone benefits the same.

Prof. Rajat Mishra
(HOD Civil Department,
S. P. B. Patel College Of
Engineering)

On an average we import 40% resources from China which reduced to 30% as per the year 2019.

Covid-19 has stopped a major import from China products to great extent.

Due to this many initiatives were taken like Make in India Reform & Atma Nirbhar Bharat.

Due to which people were inspired to move towards local market.

Further steps can be made focusing on foreign country investment & introduce our market at international level.

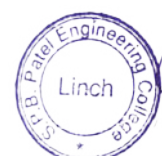
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FUTURE SCOPE

- Our country is growing and developing far better than past. After interacting to the many people we want to see this kind of development in upcoming 10 years.
- Improvement in public transportation.
- Use of some new technologies for buses and trains.
- Reduce the fuel gases emission from vehicles to maintain the stability in Environment.
- In railways metro train project is going on and the loop concept is also started.

Full screen (f)

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ENGINEERING COLLEGE
SAFFRONY INSTITUTE OF TECHNOLOGY CAMPUS

Expert Lecture Basics of Trigonometry (2020)

DR. AMISHA PATEL

**DIVE INTO THE WORLD OF
TRIGONOMETRY AND DISCOVER
ITS FUNDAMENTAL CONCEPTS
AND APPLICATIONS.**

19 DECEMBER 2020



**S. P. B. PATEL
ENGINEERING COLLEGE**
SAFFRONY INSTITUTE OF TECHNOLOGY CAMPUS

19th December 2020

Report of
Expert Lecture
Basics of Trigonometry

Dr. Amisha Patel
(Assistant Professor - Humanities & Sciences
Department-Nirma University)

Prepared by:
Prof. Mehul Patel
Humanities & Sciences
Department

Report on Expert Lecture- Mathematics

Name of Participant: Prof. Mehul Patel (Humanities & Sciences Department)

Role: Coordinator

Name of Resource Person: Dr. Amisha Patel

Designation and Institute details: Asst. Prof.-Humanities & Sciences Department (Nirma University)

Organized by: Saffrony Institute of Technology

Date: 19th December 2020

Duration: 10:30 am to 11:30 am

Venue: Google Meet Online Meeting Application

No. of Participants: Approx. 54 students of sem-1 Mechanical, Civil and Automobile Branch

Introduction and Objective:

The objective of the expert lecture was students understand the fundamental of trigonometry and application of it.

Workshop details:

An online expert lecture on 1st Semester on 19/12/2020 (Saturday) organized by S. P. B. Patel Engineering College.

The event was moderated by Prof. Mehul V. Patel (Head- H & Sc.) & Parixit Pandya (H & Sc.). The topic of the expert lecture was “**Basics of Trigonometry**”. The objective of the expert lecture was students understand the fundamental of trigonometry and application of it.

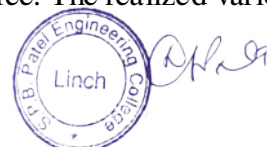
The expert lecture started with the introductory of expert Dr. Amisha Patel (Asst. Prof. – Nirma University) by Prof. Parixit Pandya (H & Sc.). Prof. Mehul Patel, other faculty members and students welcomes the Speaker.

The speech of highly experienced Dr. Amisha Patel gave an illustrative presentation about the basic of Trigonometry. The students get the application of trigonometry in engineering, fundamental concept of trigonometry such as radian, degree and conversation between them, also concept of unit circle.

It was very appreciated by students as complete session was full of ideas about how to implement our thoughts from drawings to ground.

Total 54 students & faculty members attended the expert lecture.

The students asked different types of questions related to the topic. Outcome of the lecture was students were able to convert angle from degree to radian and radian to degree. The realized various applications of trigonometry in real life.

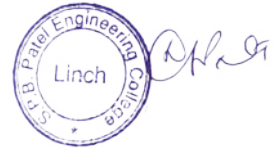


Students were very happy to get a chance to interact with Dr. Amisha Patel followed by a doubt clearing session. They also thank Department for organizing such an informative talk.

At the end, faculty members and Students appreciate the speaker & Prof. Parixit Pandya gave a vote of thank on behalf of institute.

Yours Sincerely,

Prof. Mehul Patel
HoD H & Sc., Lecturer, Humanities & Sciences Department



Approved By
Prof. M. A. Patel

← → ↻ 🏠 <https://meet.google.com/kcp-haww-pke> ... 🛡️ ☆ 📺 📄 🗨️ ☰

Expert lecture for the first semes... X

👤 People (48) 🗨️ Chat

IN CALL

- mehul patel (You)
- akshay mistri
- arjav patel
- arpan panchal
- bansi patel
- bhavik solanki
- bhavy patel
- darshin varma
- datt darji

11:21 AM 12/19/2020

← → ↻ 🏠 <https://meet.google.com/kcp-haww-pke> ... 🛡️ ☆ 📺 📄 🗨️ ☰

Dr. Amisha Patel is presenting

3

Application Of Trigonometry

The word *trigonometry* comes from the Greek words *trigonon* ("triangle") and *metron* ("to measure").

- ❖ **Architecture and Engineering:** To determines the length of cables, the height of support towers, the angle between the two when weight loads and bridge strength
- ❖ **Music Theory and Production :** Sound waves travel in a repeating wave pattern, which can be represented graphically by sine and cosine functions. It also allows sound engineers to visualize sound waves so that they can adjust volume, pitch and other elements to create the desired sound effects

Trigonometry (Basics) 19-12-2020

Dr. Amisha P... aryan patel parixit pandya rahulji thakor maharsh nay... rudra patel bansi patel

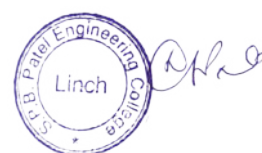
Expert lecture for the first semes... X

👤 People (54) 🗨️ Chat

IN CALL

- mehul patel (You)
- akshay mistri
- arjav patel
- arpan panchal
- aryan patel
- bansi patel
- bhavik solanki
- bhavy patel
- darshin varma

10:38 AM 12/19/2020



Dr. Amisha Patel is presenting

5 Angles in Degrees and Radians

The measure of an angle is the amount of rotation performed to get the terminal side from the initial side

Positive angle
(anticlockwise direction)

Negative angle
(clockwise direction)

Note: Two measurement of an angle which are most commonly used: degree and radian

Trigonometry (Basics) 19-12-2020

People (54) Chat

- NIRAV VAJA
- nisarg prajapati
- nishil suthar
- parixit pandya
- prem prajapati
- priyanshi nayi
- rahul sharma
- rahulji thakor
- rudra patel
- rudra prajapati

10:40 AM 12/19/2020

Dr. Amisha Patel is presenting

14 Unit Circle

A circle having a radius 1 is call unit circle

$(0,1)$
 (a,b)
 $(1,0)$
 $(0,-1)$
 $(-1,0)$

We need our soh cah toa definitions

$$\cos \theta = \frac{\text{length of an adjacent side}}{\text{length of hypotenuse}} = \frac{a}{1} = a$$

$$\sin \theta = \frac{\text{length of an opposite side}}{\text{length of hypotenuse}} = \frac{b}{1} = b$$

$\therefore (a, b) = (\cos \theta, \sin \theta)$

Trigonometry (Basics) 19-12-2020

People (52) Chat

IN CALL

- mehul patel (You)
- akshay mistri
- arjav patel
- arpan panchal
- aryan patel
- bansi patel
- bhavik solanki
- bhavy patel
- darshin varma

11:01 AM 12/19/2020

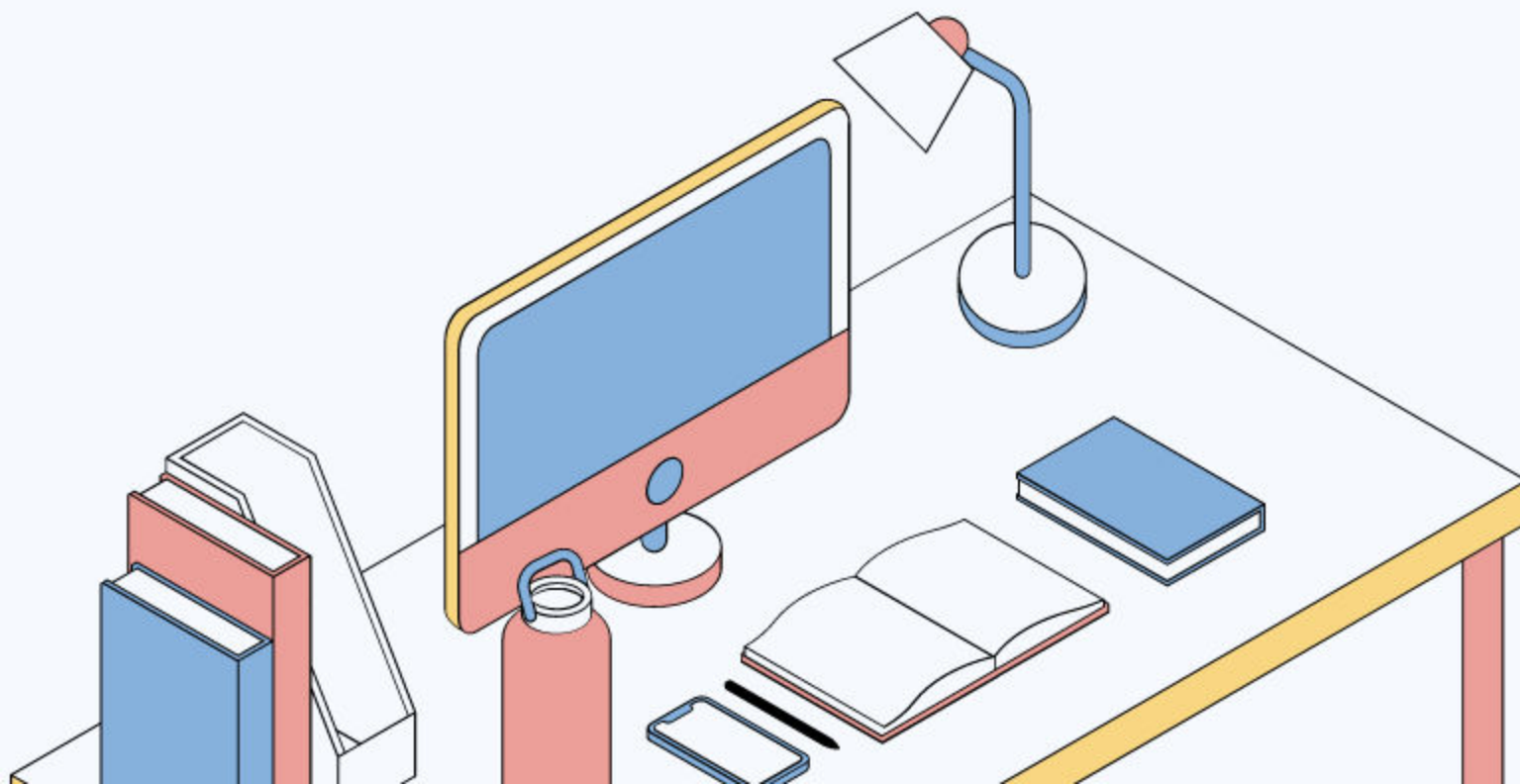


MARKETING OF ENGINEERING PRODUCT

Event

20 February 2020

S.P.B. Patel Engineering college, Mehsana



S.P.B. PATEL
ENGINEERING COLLEGE
SAFFRONY INSTITUTE OF TECHNOLOGY CAMPUS

[MARKETING OF ENGINEERING PRODUCT]

Date: 20th Feb, 2020

Time: 10:00 A.M. to 1:00 P.M.

Venue: 2ND FLOOR ,DIPLOMA BUILDING

S P B PATEL ENGINEERING COLLEGE,

Participant Capacity [Expected]: 50

No of Participant per group (Team Event): 02

No. of Stages/Levels in the event: 01

Participation Fees: Rs 20/- Per student

Faculty Coordinator: Prof. SARTHAK THAKAR , Prof. KEYUR MODI

Student Coordinators:

Sr No.	Enroll Number	Full Name	Mobile No	E-mail
1	176930302508	PANCHAL SMIT K	8347067937	176930302508@saffrony.ac.in
2	176930302508	SATA JINESH	9727683161	176930302508@saffrony.ac. in
3	176930302530	SHAIKH MOIN	7990465868	176930302530@saffrony.ac.i n

- Introduction of the competition:**

This event is based on marketing of engineering product . Students can participate in team of maximum 2 members each.

Instruction/Rules:

- Participation fees Rs. 20 per student (Non Refundable).
- Maximum 2 members can participate in a team.
- Product must be related to engineering
- Prepare a sheet or presentation of related product
- Student can bring a printed material also.
- Student explain about product configuration at least 10 min.
- If possible student show a working animation of product.
- If possible bring laptop for presentation.

Judging Criteria:

Following is the Judging Criteria.

50 Marks: Presentation

20 Marks: Communication

20 Marks: Q&A

10 Marks: Personality (dressing sense etc...)

Total :100 Marks

Independent judge panel will judge each project and declare the score.

Requirements:

15 Tables, 4 Plastic Files, Event Poster

List of the Winners:

Rank	Enroll Number	Full Name	College Name	Branch	Mobile No	E-mail
1	186930319501	Abhijith S	S P B PATEL College of engineering	MECH	6355375940	186930319501@saffrony.ac.in
2	196930319524	PATEL PALKUMAR JATINKUMAR	S P B PATEL College of engineering	MECH	9574424577	196930319524@saffrony.ac.in
2	196930319507	KADIYA JAIMIN YOGESHKUMAR	S P B PATEL College of engineering	MECH	7622830125	196930319507@saffrony.ac.in



S.P.B. PATEL
ENGINEERING COLLEGE
SAFFRONY INSTITUTE OF TECHNOLOGY CAMPUS

VEYG 2020

Event Details

SAFFRONY INSTITUTE OF TECHNOLOGY S.P.B.PATEL ENGINEERING COLLEGE (DIPLOMA COURSES)			
VEYG 2020 (20 TH FEBRUARY, 2020)			
[MARKETING OF ENGINEERING PRODUCT]			
TEAM NO.	Enro. No.	Student Name	Student Sign
✓ 1	196930319524	PATEL PALKUMAR JATINKUMAR	P.J. Patel
	196930319507	KADIYA JAIMIN YOGESHKUMAR	J.Y. Kadiya
✓ 2	186930319538	SANGLEKAR HARSHIL R	H. R. Sanglekar
	186930319507	Chauhan Kaushal	K. V. Chauhan
✓ 3	186930319501	Abhijith S	Abhijith S
✓ 4	186930319517	Kureshi Imran Y	I. Y. Kureshi
	186930319518	Kureshi Ansar K	A. K. Kureshi
✓ 5	196930319525	Patel Parth Nimeshbhai	P. N. Patel
✓ 6	186930319523	Nayi Kaushal Gunvantbhai	K. G. Nayi
	186930319545	Suthar Sheetal Jayeshbhai	S. S. J.
✓ 7	186930319524	Nayi Mayank Pravinbhai	M. P. Nayi
	186930319531	Pathan Adnankhan M	A. M. Pathan
✓ 8	186930319537	Sayad Tofikhusen S	T. S. Sayad
	186930319511	Dantani Vishal K	V. K. Dantani
✓ 9	186930319521	Marathe OM Manoharbhai	
✓ 10	196930319548	Tagadiya Harsh Manubhai	H. M. Tagadiya
	196930319534	Mahida Pruthvirajsinh Hirensinh	P. V. Mahida
✓ 11	186930319502	Ajmera Gautam Pankajbhai	G. P. Ajmera





Feedback form of judge

VEYG 2K20
FEED BACK FORM
MARKETING OF ENGINEERING PRODUCT (20/02/2020)

Name of Jury Member	1. Prof. Sandip Chaudhary Chirang Khorat
Feedback	
1. Participant Technical Knowledge	Some students have very good knowledge. They said that they got this from their parents and teachers.
2. Creativity & Skills & Level	Mind blowing. (Bulb using USB project & vacume machine)
3. Use of Technical Concept	Some students use their knowledge to make real life solution.



EVENT PHOTOGRAPH





S.P.B. PATEL
ENGINEERING COLLEGE
SAFFRONY INSTITUTE OF TECHNOLOGY CAMPUS

VEYG
2020



EXPERT LECTURE

Time Management



S.P.B. PATEL
ENGINEERING COLLEGE
SAFFRONY INSTITUTE OF TECHNOLOGY CAMPUS

14 Dec 2019



11.00 AM



MR. VISHNU AWASTHI



www.reallygreatsite.com

Saffrony Institute of Technology

S.P.B. Patel Engineering College

14th December, 2019

Submitted:

Subject: Report on Expert Lecture- Time Management

An expert lecture on 1st Semester on 13/12/2019 (Friday) organized by S.P.B. Patel Engineering College.

The event was moderated by Prof. Parixit Pandya. The topic of the expert lecture was “**Time Management**”. The objective of the expert lecture was students understand the importance of time, also why time management is important, how one can stop wasting time, and start using it wisely.

The expert lecture started with the introductory of expert Dr. Vishnu Awasthi by Prof. Parixit Pandya. Prof. Mehul Patel, other faculty members and students welcomes the Speaker.

Time Management is the thinking skill that helps children to prioritize tasks and accurately judge the amount of time needed to complete them. It helps them to complete activities in a timely fashion, and learn to manage and stick to a schedule.

The speech of highly experienced Dr. Vishnu Awasthi gave an illustrative presentation about Time Management. The students get the concept of how to give priority to the particular task, also how can they do utilize time in their day to day life.

It was very appreciated by students as complete session was full of ideas about how to implement our thoughts from drawings to ground.

The following numbers of students were present in the expert lecture.

Sr No	Branch Name	No of Students Present
1	1 st Mechanical	68
2	1 st Civil	32
3	1 st Automobile	22
	Total	122

The students asked different types of questions related to the topic. Outcome of the lecture was students were able to understand the importance of time management.


Students were very happy to get a chance to interact with Dr. Vishnu Awasthi followed by a doubt clearing session. They also thank Department for organizing such an informative talk.

Prof. Dharmendra Kandoi also explains rules & regulations of GTU exam.

At the end, The Principal, faculty members and Students appreciate the speaker.

1st year coordinator

(Prof. Mehul Patel)

Principal
(Prof. M.A. Patel)

Saffrony Institute of Technology S.P.B. Patel Engineering College



(INTRODUCTORY AND LECTURE SESSION OF SPEAKER)



(LECTURE & QUESTION – ANSWER SESSION)





S.P.B. PATEL
ENGINEERING COLLEGE
SAFFRONY INSTITUTE OF TECHNOLOGY CAMPUS



EXPERT LECTURE ON

.. **ENGLISH**

..
..
..
..
..
Enhance your English language skills and refine your communication abilities for professional success.

~~~~~  
~~~~~  
~~~~~  
~~~~~  
Date: 12 December 2019

**EXPERT : PROF.
PARIXIT C. PANDYA**



Venue: Auditorium Hall

Saffrony Institute of Technology

S.P.B. Patel Engineering College

14th December, 2019

Submitted:

Subject: Report on Expert Lecture- English

An expert lecture on 1st Semester on 12/12/2019 (Thursday) organized by S.P.B. Patel Engineering College .

The event was moderated by Prof. Parixit C. Pandya. The topic of the expert lecture was “**The Art of Learning (New) Language**”. The objective of the expert lecture was students achieve functional proficiency in listening, speaking, reading, and writing. Recognize culture-specific perspectives and values embedded in language behavior. Such session pour an extra enthusiasm to student in their study.

The expert lecture started with the introductory of expert Dr. Pooja Mehta. The H & Sc. Head - Prof. Mehul Patel, other faculty members and students welcomes the Speaker.

The art of learning a new language is an important part of communication. Good language learning skills enables to communicate your message with clarity. The expert focuses on different techniques of learning a new language in an easy way.

The speech of highly experienced Dr. Pooja Mehta gave an illustrative presentation about the structure of learning a new language; also explain how to make it effective. She explains the requirement of a good command of the language in which you write or want to write. It was very appreciated by students as complete session was full of ideas and very interesting.

The following numbers of students were present in the expert lecture.

Sr No	Branch Name	No of Students Present
1	1 st Mechanical	38
2	1 st Civil	13
3	1 st Automobile	17
	Total	68


The students asked different types of questions related to the topic. Outcome of the lecture was Students acquired good knowledge on how to learn a new language.

Students were very happy to get a chance to interact with Dr. Pooja Mehta. They also thank Department for organizing such an informative talk.

At the end, the principal, faculty members and Students appreciate the speaker.

1st year coordinator

(Prof. Mehul Patel)


Principal

(Prof. M.A. Patel)

Saffrony Institute of Technology S.P.B. Patel Engineering College



(INTRODUCTORY AND LECTURE SESSION OF SPEAKER)



(LECTURE & QUESTION – ANSWER SESSION)





Mathematics EXPERT SESSION

Organizer

S.P.B. Patel Engineering College



TIME

AT 10:00 aM



DATE

11.12.2019

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Saffrony Institute of Technology

S.P.B. Patel Engineering College

14th December, 2019

Submitted:

Subject: Report on Expert Lecture - Mathematics

An expert lecture on 1st Semester on 11/12/2019 (Wednesday) organized by S.P.B. Patel Engineering College.

The event was moderated by Prof. Mehul V. Patel (Head- H & Sc.). The topic of the expert lecture was **“Basics of Matrices”**. The objective of the expert lecture was students’ understand the fundamental of matrix and application of it.

The expert lecture started with the introductory of expert Dr. Shailesh Patel by Prof. Mehul Patel (Head – H & Sc.). Prof. Mehul Patel, other faculty members and students welcomes the Speaker.

The speech of highly experienced Dr. Shailesh Patel gave an illustrative presentation about the basic of matrix. The students get the concept of a determinant, determinant of a matrix, matrix with its determinant of value, transpose of a matrix, minors and cofactors of an element of a matrix.

It was very appreciated by students as complete session was full of ideas about how to implement our thoughts from drawings to ground.

The following numbers of students were present in the expert lecture.

Sr No	Branch Name	No of Students Present
1	1 st Mechanical	55
2	1 st Civil	44
3	1 st Automobile	57
	Total	156

The students asked different types of questions related to the topic. Outcome of the lecture was students were able to solve a system of linear equations by matrix method.

Students were very happy to get a chance to interact with Dr. Shailesh Patel followed by a doubt clearing session. They also thank Department for organizing such an informative talk.

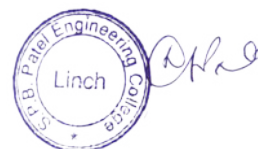
At the end, The Principal, faculty members and Students appreciate the speaker.

1st year coordinator

(Prof. Mehul Patel)

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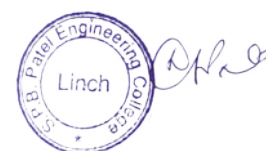
Saffrony Institute of Technology S.P.B. Patel Engineering College



(INTRODUCTORY AND LECTURE SESSION OF SPEAKER)



(LECTURE & QUESTION – ANSWER SESSION)



REPORT ON 1-DAY ENGLISH GROOMING WORKSHOP ON 'THE ART OF WRITING'

Date: January 9, 2019

Participants: 40 - 4th Semester CE Department Students

Conducted by: Dr. Pooja Mehta, Assistant Professor in English

Learning being a perpetual process with a direct correlation to long-term success and sustained professional life, Saffrony Institute of Technology remains committed to providing holistic development opportunities for students. In alignment with this vision, an English Grooming workshop titled 'The Art of Writing' was organized on January 9, 2019. Dr. Pooja Mehta, Assistant Professor in English, spearheaded the workshop, aiming to guide students in the nuances of effective writing and various techniques of idea generation.

Objectives of the Workshop:

1. Holistic Development: To contribute to the holistic development of students by enhancing their writing skills.
2. Idea Generation Techniques: To familiarize students with various techniques of idea generation for creative and original writing.

Key Highlights:

1. Expert Facilitation: Dr. Pooja Mehta, an experienced faculty member in English, led the workshop and provided valuable insights into the art of writing.
2. Hands-on Tasks: The workshop incorporated hands-on tasks to engage students actively in the process of generating creative and original pieces of writing.
3. Enjoyable Learning Experience: Students reported enjoying the workshop, indicating that the interactive and practical nature of the session contributed to a positive learning experience.

Workshop Content:

1. Orientation to Writing Nuances: The workshop commenced with an orientation to the nuances of effective writing, emphasizing clarity, coherence, and creativity.
2. Idea Generation Techniques: Various techniques for generating ideas for writing were explored, allowing students to unleash their creativity.
3. Hands-on Writing Tasks: Students actively participated in hands-on writing tasks designed to apply the principles discussed during the workshop.

Outcomes:

1. Enhanced Writing Skills: Participants experienced improvements in their writing skills, focusing on originality and creativity.
2. Application of Techniques: The hands-on tasks facilitated the practical application of idea generation techniques discussed during the workshop.
3. Positive Student Feedback: Students reported enjoying the workshop, suggesting that it was a positive and beneficial experience.

Conclusion:

The 1-Day English Grooming Workshop on 'The Art of Writing,' conducted by Dr. Pooja Mehta on January 9, 2019, successfully contributed to the enhancement of students' writing skills. The interactive and hands-on approach fostered an enjoyable learning experience, aligning with Saffrony Institute of Technology's commitment to holistic development.

Photographs:











S.P.B. PATEL
ENGINEERING COLLEGE
SAFFRONY INSTITUTE OF TECHNOLOGY CAMPUS

Mr. Harshal Parikh



Expert lecture on

Construction Projects



7 September 2018
10:00 Am

Website
safrony.ac.

EXPERT TALK BY MR. HARSHAL PARIKH ON CONSTRUCTION PROJECTS

Date: 7th September 2018

Duration: 29 minutes

Presenter: Mr. Harshal Parikh, Design Director, Dholera SIR- L&T Projects

Organizer: Civil Engineering Department, Saffrony Institute of Technology

Introduction:

The Civil Engineering Department at Saffrony Institute of Technology organized an expert lecture on Construction Projects for 3rd Semester Civil Engineering Students. The session, held on 7th September 2018, featured Mr. Harshal Parikh, Design Director at Dholera SIR- L&T Projects, as the esteemed speaker.

Objective:

The primary aim of the expert session was to provide students with foundational knowledge about Construction Projects and Project Life Cycle. The session sought to elucidate the various elements integral to construction projects and highlight the role of diverse engineering disciplines in the overall project execution.

Speaker's Profile:

Mr. Harshal Parikh, a Design Director with extensive experience, particularly in Dholera SIR- L&T Projects, brought a wealth of practical insights to the lecture. His expertise added significant value to the understanding of construction projects.

Key Topics Covered:

The presentation covered essential concepts related to Construction Projects, emphasizing the Project Life Cycle. Mr. Parikh elaborated on the crucial elements involved in project execution and elucidated the specific contributions of various engineering disciplines within the broader construction project framework.

Interactive Session:



The expert talk concluded with an interactive question-and-answer segment, providing students with the opportunity to seek clarification on specific topics related to construction projects. This interactive format enhanced student engagement and comprehension.

Conclusion:

The expert talk by Mr. Harshal Parikh served as an enriching experience for 3rd Semester Civil Engineering students, bridging the gap between theoretical knowledge and practical application in the construction industry. The Civil Engineering Department expressed appreciation for Mr. Parikh's valuable contribution to the students' academic journey.

Photographs:



