



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

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CYCLE 1
NAAC Accreditation 2023

ACADEMIC YEAR 2022-23

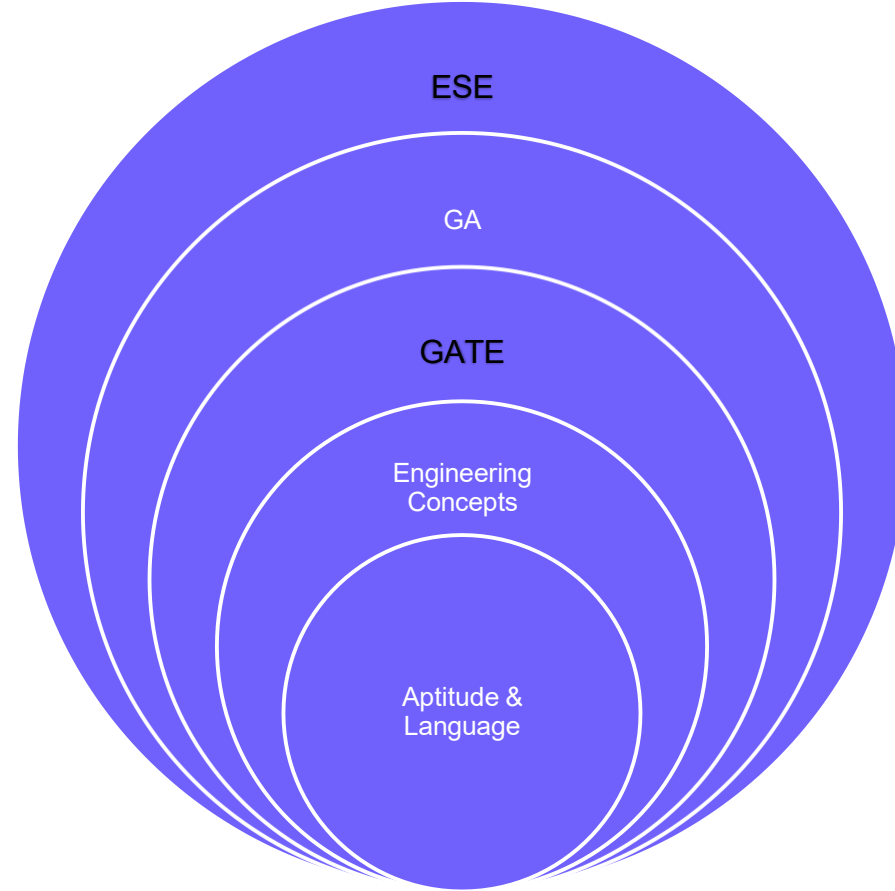
Submitted to



NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

5.1.3 Percentage of students benefitted by guidance for competitive examinations and career counselling offered by the institution during the last five years

Year	Guidance for competitive examinations			Details of career counselling		
	Name of the Activity	Number of students participated	Number of students qualified in the competitive examinations	Name of the Activity	Number of students participated	Number of students placed
2022-23	Gate Preparation Session	17	10	Entrepreneurship as a career	44	35
2022-23	-	-	-	Seminar on Life Learning Lessons	26	20



Session on GATE & ESE

Created By: Monil Shah [ME]

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You can not achieve the desired result without
burning the midnight oil.

Monil Shah



Overview of GATE & ESE

GATE: Graduate Aptitude Test in Engineering is a national level exam that primarily tests the comprehensive understanding of various undergraduate subjects in Engineering/ Technology/ Architecture/ Science/ Commerce/ Arts.

GATE will be a computer-based test (CBT) which is being organized by the seven IITs (IIT Bombay, IIT Delhi, IIT Guwahati, IIT Kanpur, IIT Kharagpur, IIT Madras, IIT Roorkee) and IISc Bangalore, on behalf of the National Coordination Board – GATE, Department of Higher Education, Ministry of Education (MoE), Government of India (GoI).



Overview of GATE & ESE

ESE: Engineering Services Examination is conducted annually by UPSC to recruit engineers in four domains namely Civil, Mechanical, Electrical, Electronics & Telecommunications for the techno managerial posts.

The examination constitutes a two-stage written examination followed by an interview. ESE is considered as one of the toughest examinations in India due to fewer posts. Owing to highly competitive selection procedure, IES officers carry high respect and status and are mandated to manage and execute activities in diverse technical and managerial fields.



Syllabus

GATE:

ME & CE:

https://gate.iitk.ac.in/gate_syllabus.html



Exam Pattern

Particulars	Details
Examination mode	CBT (will be conducted at select centers in select cities)
Duration	3 hrs. (180 minutes)
Sections	Aptitude & Language Subject (ME, CE, etc.)
No. of questions	Aptitude & Language – 10 questions Subject – 55 questions Total – 65 questions

Exam Pattern

Particulars	Details
Type of questions	MCQ, MSQ, NAT
Distribution of marks	Aptitude & Language – 15 marks, Engineering Mathematics – 13 marks, Subject – 72 marks Total – 100 marks
Marking scheme	Questions carry 1 mark and 2 marks
Negative marking	For 1-mark MCQ, 1/3 mark & For 2-mark MCQ, 2/3 mark will be deducted for a wrong answer. No negative marking for Incorrect answer(s) to MSQ or NAT question.

Prep Strategy

Scoring the GATE

Passing the GATE

Qualifying the GATE

Reference Books

Aptitude & Language

1. Quantitative Aptitude by R S Aggarwal
2. Made Easy Publication

Eng. Mathematics

1. Eng. Mathematics Volume 1 by Ace Academy Study Material, Ace Academy Publication
2. Made Easy Publication

Subject

1. Design
2. Thermal
3. Manufacturing

Design

- Engineering Mechanics – NPTEL Course on EM
- Strength of Materials – NPTEL Course on SOM
- Theory of Machines and Vibrations – R.S. Khurmi, S S Rattan
- Machine Design – R.S. Khurmi, V B Bhandari

Thermal

- Fluid Mechanics – R.K. Bansal, Books India Publications
- Heat Transfer – P K Nag
- Thermodynamics – P K Nag (For Questions), Cengel & Boles (For Theory)
- Refrigeration & Air Conditioning – R.S. Khurmi
- I.C. Engine – V Ganeshan

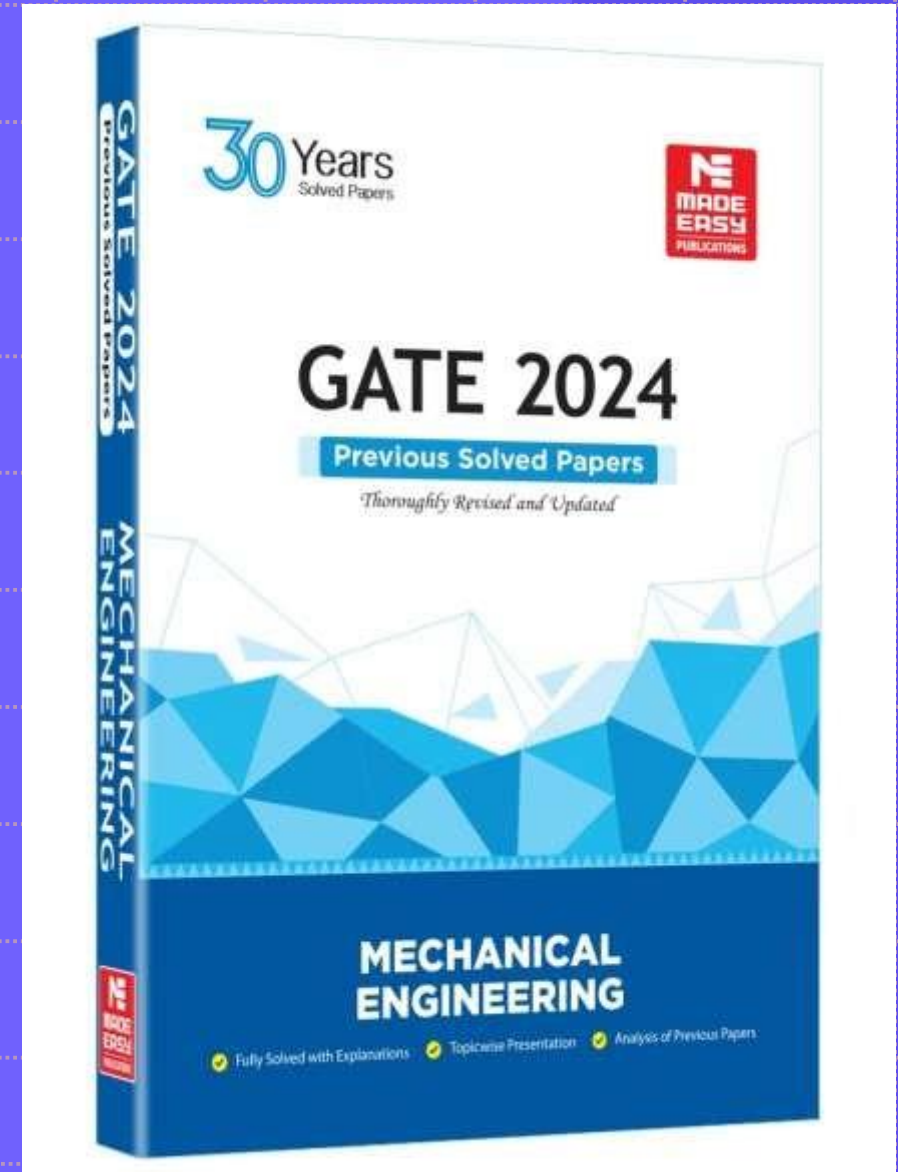
Manufacturing

- Material Science – P N Rao
- Production Engineering - P N Rao
- Industrial Engineering – O.P. Khanna
- Operations Research – Books India Publications

Reference Books

Previous Year Questions (PYQ's)

- Familiarity with Exam Pattern
- Understanding Questions Trends
- Identifying Knowledge Gaps
- Time Management and Exam Strategy
- Boosting Confidence
- Assessing Exam Readiness



Importance of GATE

- Postgraduate Programs
- Eligibility for Fellowships
- PSUs Recruitment
- Employment Opportunities
- Research and Development
- Personal Development

Career Options

- Higher Studies (Both India as well as Abroad)
- Public Sector Undertakings (PSUs)
- Government Enterprises
- Private Jobs
- Public Service Exam
- Teaching and Academics

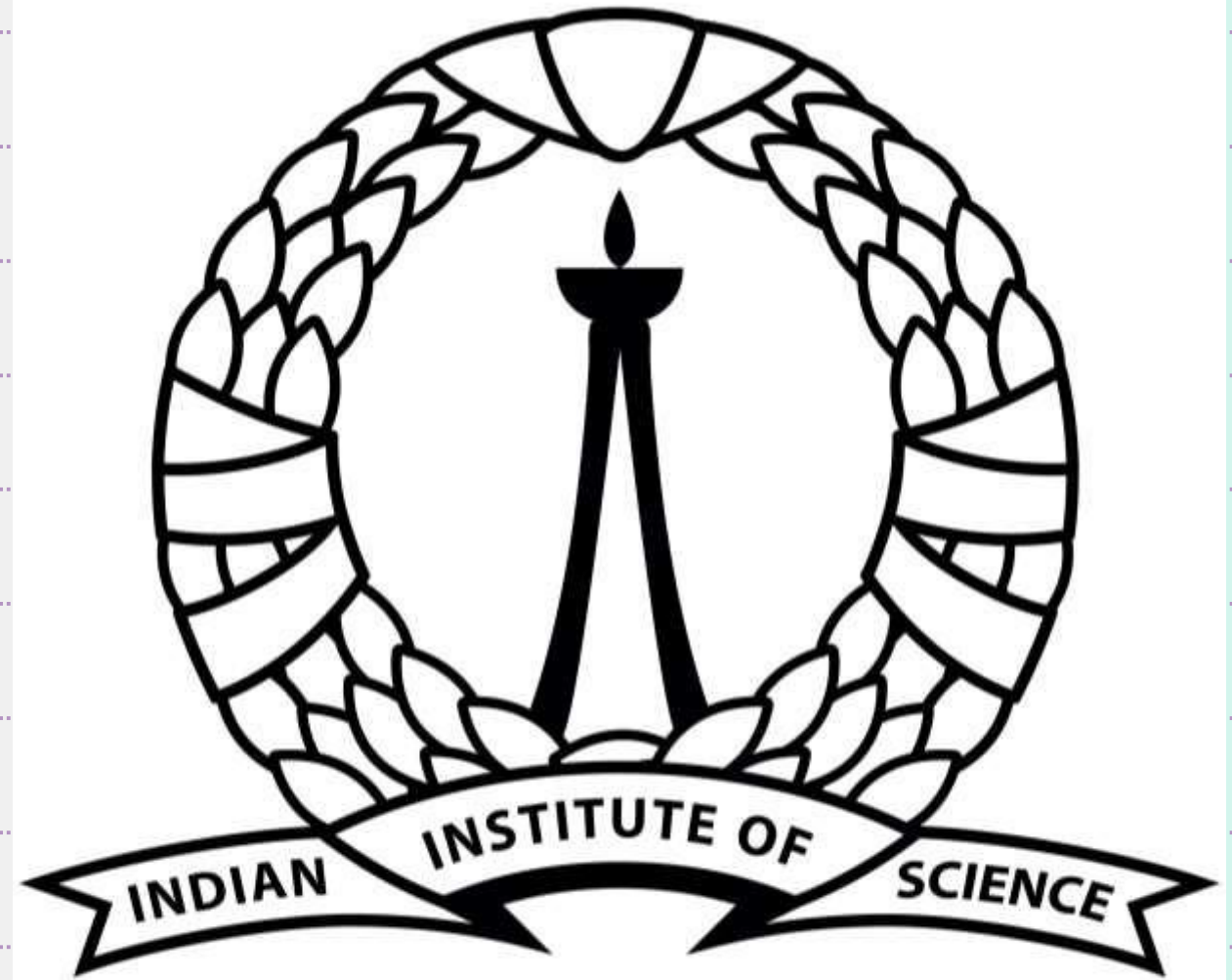


Important Dates

Events	Dates (Tentative)
Release of GATE 2024 Notification	August 2023
GATE 2024 Registration Begins	August 2023
GATE 2024 Registrations Ends	October 2023
GATE 2024 Admit Card Release	January 2024
GATE 2024 Exam	February 2024
GATE 2024 Result	March 2024

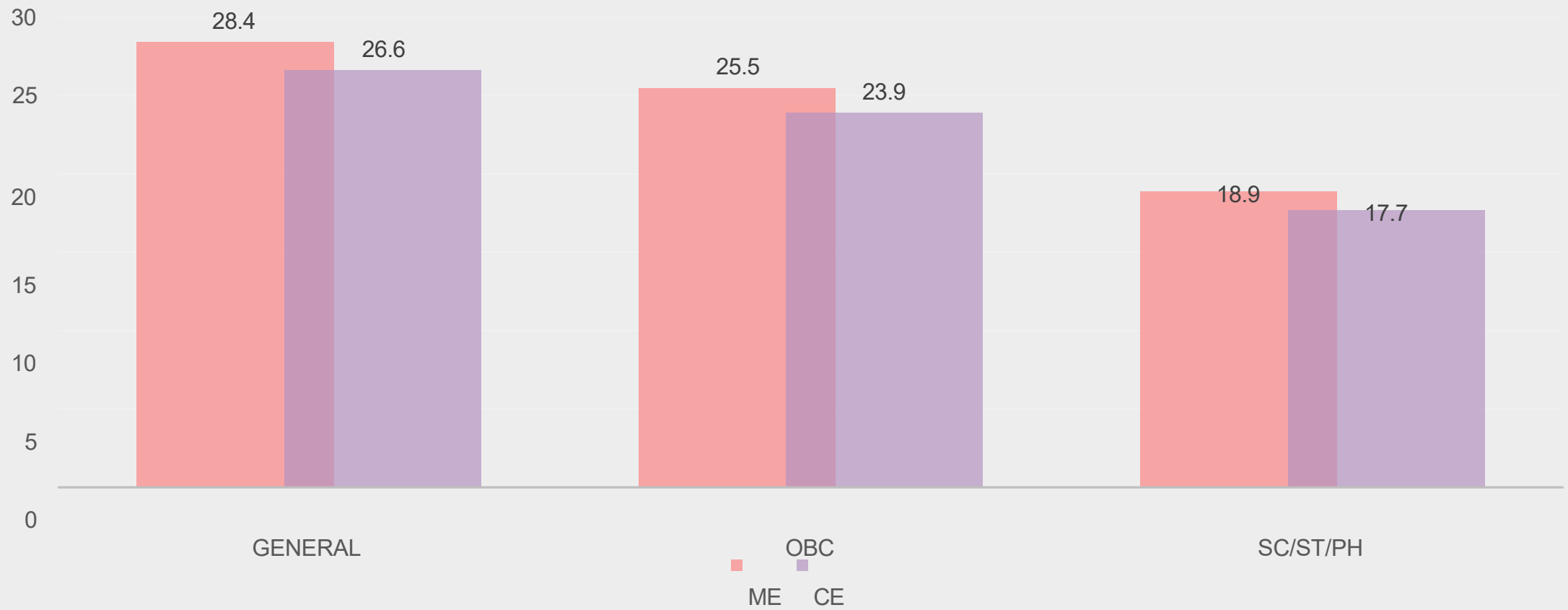
Notifications

<https://gate2024.iisc.ac.in/>

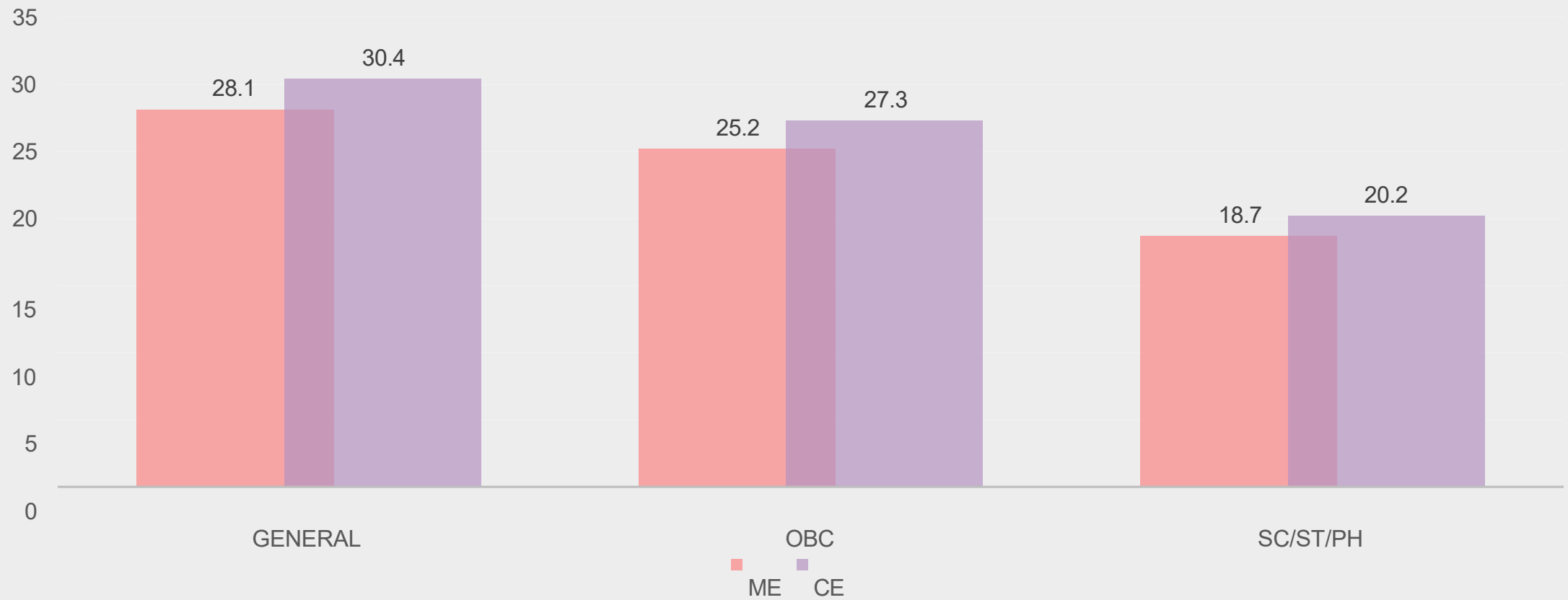


भारतीय विज्ञान संस्थान

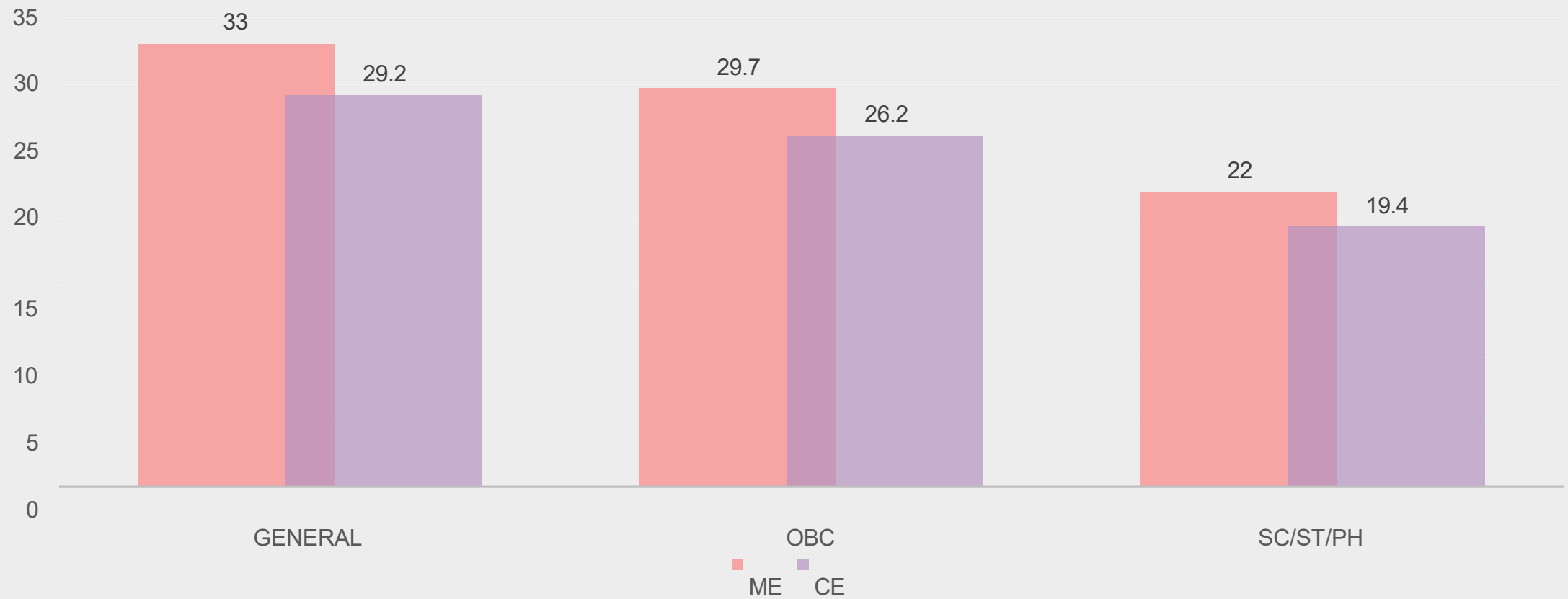
GATE 2023 Cutoff Marks



GATE 2022 Cutoff Marks



GATE 2021 Cutoff Marks



Motivation for the GATE

Regarding GATE 2023

Among 6.7 lakh candidates who registered for GATE 2023 across 29 available papers, a total of 5.17 lakh candidates appeared for the exam, of which 1 lakh (18%) qualified.

Regarding GATE 2022

Here, Let's talk about ME & CE

Motivation for the GATE

Paper code	Registered	Appeared	Qualified	Qualified (%)
ME	126979	89567	15282	17.06
CE	136285	100043	17776	17.77

Syllabus & Exam Pattern

ESE:

ME & CE:

<https://www.upsc.gov.in/sites/default/files/Notif-ESEP-23-engl-140922-Final.pdf>



Stage – I (Preliminary) Exam

Subject	Duration	Marks
Category-II Mechanical Engineering		
Paper-I (General Studies and Engineering Aptitude)	2 hrs.	200
Paper-II (Mechanical Engineering)	3 hrs.	300
Total		500

Stage – II (Main) Exam

Subject		Duration	Marks
Category-II Mechanical Engineering			
Paper-I (Mechanical Engineering)		3 hrs.	300
Paper-II (Mechanical Engineering)		3 hrs.	300
Total			600

Stage – III (Personality Test) Exam

Subject						Marks
Category-II Mechanical Engineering						
Interview						200

CATEGORY -I (Civil Engineering) Group-A Services/Posts

- (i) Central Engineering Service
- (ii) Central Engineering Service (Roads), Group-A (Civil Engineering Posts).
- (iii) Survey of India Group 'A' Service.
- (iv) *AEE(Civil) in Border Road Engineering Service.
- (v) Indian Defence Service of Engineers.
- (vi) AEE(QS&C) in MES Surveyor Cadre.
- (vii) Central Water Engineering (Group 'A') Service.

CATEGORY -II (Mechanical Engineering) Group-A Services/Posts

- (i) AEE in GSI Engineering Service Gr 'A'.
- (ii) Indian Defence Service of Engineers.
- (iii) Indian Naval Armament Service (Mechanical Engineering Posts).
- (iv) Indian Naval Material Management Service (Mechanical Engineering Posts)
- (v) Central Water Engineering (Group 'A') Service.
- (vi) Defence Aeronautical Quality Assurance Services/SSO-II (Mechanical).
- (vii) Central Electrical and Mechanical Engineering Service (Mechanical Engg.)

CATEGORY -II (Mechanical Engineering) Group-A Services/Posts

- (viii) Central Power Engineering Service Gr 'A' (Mechanical Engineering Posts).
- (ix) *AEE (Electrical and Mechanical) in Border Roads Engineering Service (Mechanical Engineering Posts)
- (x) Assistant Development Officer (Engineering).
- (xi) Central Power Engineering Service Gr 'B' (Mechanical Engineering Posts).

Salary of IES Officers

Level	Pay Scale	Time Frame
Junior Time Scale (JTS)	INR 56100-177500	On Joining
Senior Time Scale (STS)	INR 67700-208700	3-5 years
Junior Administrative Grade (JAG)	INR 123100-215900	10-15 years
Senior Administrative Grade (SAG)	INR 144200-218200	15-20 years
Higher Administrative Grade (HAG)	INR 182200-224100	
HAG+	INR 205400-224400	
Apex Scale	INR 225000	

Important Dates

Events	Dates (Tentative)
Release of ESE 2024 Notification	September or October 2023
ESE 2024 Registrations Ends	September or October 2023
Prelims Exam	18.02.2024
Mains Exam	23.06.2024
Personality Test	August or September 2024
ESE 2024 Result	November or December 2024

Notifications

<https://www.upsc.gov.in/>



सत्यमेव जयते

UPSC

Attendance:

Student Year Present Students			2022-23
			17
Branch	EnrollmentNumber	Name	Gate Preperation Session By MonilShah
MECHANICAL ENGINEERING	190390119002	BAROT SHASHANK RANJITBHAI	Y
MECHANICAL ENGINEERING	190390119003	BHUVA GAURANG KUMAR JAYESHBHAI	Y
MECHANICAL ENGINEERING	190390119004	CHAUHAN HARSHITSINH BHUPENDRASINH	Y
MECHANICAL ENGINEERING	190390119007	KANSARA HARIKRUSHNA PRAKASHCHANDRA	Y
MECHANICAL ENGINEERING	190390119010	PATEL NIMABEN ANILBHAI	Y
MECHANICAL ENGINEERING	190390119011	PRAJAPATI HARSHIT DHANJIBHAI	Y
MECHANICAL ENGINEERING	190390119012	SENGAL BHAUMIKKUMAR RAMESHBHAI	Y
MECHANICAL ENGINEERING	190390119013	SHARMA RONIT RAMNIWAS	Y
MECHANICAL ENGINEERING	190390119014	SUTHAR DHAVALKUMAR AMRABHAI	Y
MECHANICAL ENGINEERING	190390119015	SUTHAR SHIVAM MUKESHKUMAR	Y
MECHANICAL ENGINEERING	190390119016	SUTHAR SHUBHAM MUKESHKUMAR	Y
MECHANICAL ENGINEERING	200390119501	BHATT NISHYANK PRANTHESH	Y
MECHANICAL ENGINEERING	200390119502	jeet pratapbhai pomal	Y
MECHANICAL ENGINEERING	200390119503	DABHI JENISH PIYUSHBHAI	Y
MECHANICAL ENGINEERING	200390119504	PATEL SMIT SURESHBHAI	Y
MECHANICAL ENGINEERING	200390119505	SHARMA TITHI NAVINKUMAR	Y
MECHANICAL ENGINEERING	200390119506	Pratham Kirti Jain	Y

GATE ESE



Thank you

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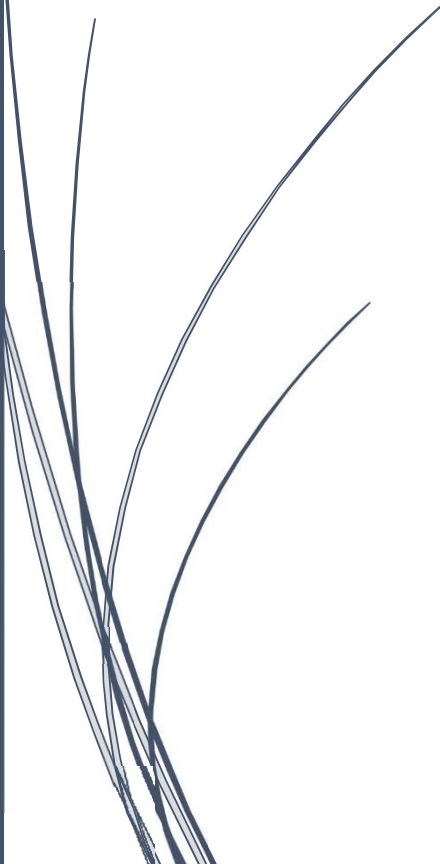


WEBINAR ON

"Entrepreneurship as a Career"

May 2, 2023

Organized by: Institute's Innovation Council Cell,
Saffrony Institute



Webinar on "Entrepreneurship as a Career"

May 2, 2023

Organized by: Institute's Innovation Council Cell, Saffrony Institute

Hosted by: Entrepreneurship Development and Innovation Institute (EDII)

Speaker: Mr. Chandramauli Pathak

Attendance: 44 students

On May 2, 2023, the Institute's Innovation Council Cell at Saffron Institute, in collaboration with the Entrepreneurship Development and Innovation Institute (EDII), conducted an online webinar on the topic of "Entrepreneurship as a Career." The webinar aimed to provide insights into the world of entrepreneurship and was led by the experienced expert, Mr. Chandramauli Pathak.

Event Overview:

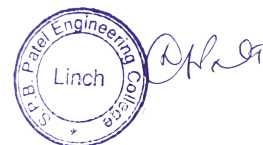
- The webinar attracted 44 participants, including students from the 6th semester of Mechanical, Computer, and Information Technology engineering disciplines.
- Mr. Chandramauli Pathak, with diverse experience in gender and entrepreneurship training across multiple countries, shared his valuable insights on entrepreneurship as a career choice.

Key Takeaways:

- Mr. Pathak's presentation covered various aspects of entrepreneurship, emphasizing the importance of creativity, strong analytical and communication skills, and the dedication required for success.
- The interactive nature of the webinar allowed students to engage with the speaker, posing questions and gaining practical insights into the entrepreneurial journey.

Student Feedback:

- The students found the webinar to be extremely insightful, appreciating the depth of knowledge shared by Mr. Pathak.



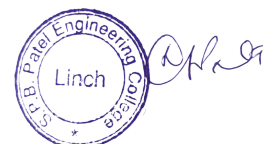
- The diverse perspectives presented during the webinar provided a well-rounded understanding of entrepreneurship as a viable career option.

Conclusion:

The webinar on "Entrepreneurship as a Career" proved to be a fruitful endeavor. The students gained valuable insights and perspectives from an experienced expert, making it an excellent opportunity to explore entrepreneurship as a potential career path. The Institute's commitment to providing such enriching experiences aligns with its goal of nurturing well-rounded and entrepreneurial-minded individuals.

In conclusion, the Institute's Innovation Council Cell extends gratitude to Mr. Chandramauli Pathak and EDII for their collaboration, contributing to the success of the webinar.

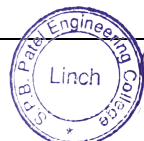
Photographs:



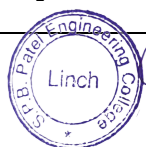


Attendance:

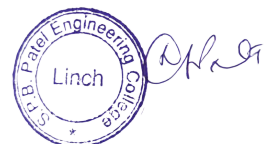
Student Year			2022-23
Students			44
Branch	Enrollment Number	Name	Entrepreneurship as a career
CIVIL ENGINEERING	2.0039E+11	MIHIR MODHA	Y
CIVIL ENGINEERING	2.0039E+11	PATEL PRACHIBEN SANJAYBHAI	Y
CIVIL ENGINEERING	2.0039E+11	CHAUDHARY PRAVINBHAI VIRBHANBHAI	Y
COMPUTER	1.9039E+11	CHAUDHARY KHUVENDRASINGH	Y
COMPUTER	1.9039E+11	DAVE SOHAM VIJAYKUMAR	Y
COMPUTER	1.9039E+11	HANSALIA DEVKI PRAKASHBHAI	Y
COMPUTER	1.9039E+11	JASANI VITRAG MITESHBHAI	Y
COMPUTER	1.9039E+11	KANJARIYA PRADIP ASHOKBHAI	Y
COMPUTER	1.9039E+11	MANSURI AAYESHA ILYASBHAI	Y
COMPUTER	1.9039E+11	PANSURIYA PARASKUMAR SURESHBHAI	Y
COMPUTER	1.9039E+11	PATEL BIREN SURESHKUMAR	Y
COMPUTER	1.9039E+11	PATEL DEV BIPINBHAI	Y
COMPUTER	1.9039E+11	PATEL JAY ASHWINBHAI	Y
COMPUTER	1.9039E+11	PATEL LAVKUMAR HEMANTBHAI	Y
COMPUTER	1.9039E+11	PRAJAPATI MITKUMAR KAMLESHBHAI	Y



COMPUTER	1.9039E+11	SAIYAD SHAHRUKH SADIK HUSEN	Y
COMPUTER	1.9039E+11	SIDDHPURA MILAN JAYESHBHAI	Y
COMPUTER	1.9039E+11	THAKAR JANVI DINESHBHAI	Y
COMPUTER	1.9039E+11	THAKUR JESAL DEVRAJSINGH	Y
COMPUTER	1.9039E+11	VARIYA ABHIRAJ SHIRISHBHAI	Y
COMPUTER	2.0039E+11	Patel Dhruv Dhanpalbhai	Y
COMPUTER	2.0039E+11	Dhruvi Patel	Y
COMPUTER	2.0039E+11	CHAUHAN SHIVANIBEN SUNILKUMAR	Y
COMPUTER	2.0039E+11	SOLANKI FALGUNIBEN DILIPBHAI	Y
INFORMATION TECHNO	1.9039E+11	BHIMANI NIPESH RAVILALBHAI	Y
INFORMATION TECHNO	1.9039E+11	JOSE ANGEL G	Y
INFORMATION	1.9039E+11	KHATRI SAGAR NIKUNJBHAI	Y
INFORMATION	1.9039E+11	NARSINGHANI HETAL GHANSHYAMBHAI	Y
INFORMATION	1.9039E+11	PATEL CHARMI KALIDAS	Y
INFORMATION	1.9039E+11	PATEL JAIMIN KIRITKUMAR	Y
INFORMATION	1.9039E+11	PATEL LOVEKUMAR KANUBHAI	Y
INFORMATION	1.9039E+11	PATEL RAJ KAMLESHKUMAR	Y
INFORMATION	1.9039E+11	PATEL SUJAL KAMLESHBHAI	Y
INFORMATION	1.9039E+11	PRAJAPATI DIXESH SHAILESHKUMAR	Y



INFORMATION TECHNO	1.9039E+11	PRAJAPATI SACHINKUMAR RAMESHBHAI	Y
INFORMATION TECHNO	1.9039E+11	RAJPUT SHIVAM RAMKUMAR	Y
INFORMATION TECHNO	1.9039E+11	SARAIYA YUKTA DIGESHKUMAR	Y
INFORMATION TECHNO	1.9039E+11	SONI AYUSHI RAKESHKUMAR	Y
MECHANICAL ENGINEE	1.9039E+11	BAROT SHASHANK RANJITBHAI	Y
MECHANICAL ENGINEE	1.9039E+11	KANSARA HARIKRUSHNA PRAKASHCHANDRA	Y
MECHANICAL ENGINEE	1.9039E+11	SENGAL BHAUMIKKUMAR RAMESHBHAI	Y
MECHANICAL ENGINEE	1.9039E+11	SUTHAR SHIVAM MUKESHKUMAR	Y
MECHANICAL ENGINEE	2.0039E+11	jeet pratapbhai pomal	Y
MECHANICAL ENGINEE	2.0039E+11	SHARMA TITHI NAVINKUMAR	Y



Report on
"Saffrony Institute's Seminar on Essential Life Learning Lessons"

Date: 28th May 2023

Time: 10:00 am to 12:00 noon

Location: Auditorium, S.P.B. Patel Engineering College, Ahmedabad Mehsana Highway

Organizers: Ahmedabad Management Association, Saffrony Institute of Technology

Attendance: 26 students participated in the seminar.

Summary:

Saffrony Institute of Technology, in collaboration with the Ahmedabad Management Association, hosted a seminar on "Life Lessons" aimed at providing students with practical insights to navigate life's challenges successfully. The event featured esteemed speakers Shri Prahaladbhai S. Patel, Chairman, Managing Director, and CEO of PSP Projects Limited, and Shri Safin Hasan, IPS, DCP-Traffic (East), Ahmedabad City.

Key Learnings:

1. **Leadership and Resilience:** Students learned about effective leadership qualities and strategies to overcome obstacles from Shri Prahaladbhai S. Patel.
2. **Road Safety and Discipline:** Shri Safin Hasan emphasized the importance of adhering to traffic rules and maintaining discipline for road safety and societal well-being.


3. Community Engagement: Both speakers highlighted the significance of community engagement and social responsibility for fostering a harmonious society.


Outcomes:

- Students gained valuable insights into leadership, resilience, and community engagement.
- The seminar inspired students to adopt a disciplined approach towards road safety and social responsibility.
- Attendees were encouraged to apply the learned life lessons in their personal and professional lives.

The seminar concluded on a positive note, with students expressing gratitude for the enriching experience and the opportunity to learn from accomplished professionals. Saffrony Institute of Technology and Ahmedabad Management Association remain committed to organizing similar events to foster holistic development among students.

Photographs:


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


 **AHMEDABAD
MANAGEMENT
ASSOCIATION**


SAFFRONY INSTITUTE OF TECHNOLOGY
In Association With
AHMEDABAD MANAGEMENT ASSOCIATION
Warmly Invites You To




**Seminar
on
Life Lessons**

Guest Speakers


Shri Prahaladbhai S. Patel
Chairman, Managing Director and
CEO, PSP Projects Limited


Shri Safin Hasan
SPS, DCP-Traffic (East),
Ahmedabad City


Scan to Register
OR
Register on - <https://bit.ly/3McL5jh>
Free Entry, Registration Compulsory

 **Sunday, 28th May, 2023**
 **10:00 am to 12:00 noon**
 **Auditorium,
Saffrony Institute of Technology,
A'bad - Mehsana H'way**

Attendance:

Present Students			28.05.2023
			26
Branch	Enrollment Number	Name	Important Life Learning Lesson
CIVIL ENGINEERING	140390106030	PATEL JAYMINKUMAR BALDEVBHAI	Y
CIVIL ENGINEERING	140390106052	PRAJAPATI SAGARKUMAR PRAVINBHAI	Y
CIVIL ENGINEERING	150390106001	BADGUJAR YOGESH	Y
CIVIL ENGINEERING	150390106008	KATRODIYA DHUVIT DHIRUBHAI	Y
CIVIL ENGINEERING	150390106009	MANSURI MOHAMMADZUBER DEENMOHAMMAD	Y
CIVIL ENGINEERING	150390106010	PATEL DHUVILKUMAR RAJESHBHAI	Y
CIVIL ENGINEERING	150390106014	PATEL POOJAN VISHNUBHAI	Y
CIVIL ENGINEERING	150390106020	PRAJAPATI HITESHKUMAR DUDHABHAI	Y
CIVIL ENGINEERING	150390106023	VARDHMAN	Y
CIVIL ENGINEERING	150394106002	PRAJAPATI CHETAN BHAGABHAI	Y
COMPUTER ENGINEERING	140390107002	ADITYA PANDEY	Y
COMPUTER ENGINEERING	140390107030	PRAJAPATI URMICKUMAR BHARATBHAI	Y
COMPUTER ENGINEERING	150390107004	FOSI HIMANSHU RAMESHBHAI	Y
COMPUTER ENGINEERING	150390107006	MAKWANA BHAVESHKUMAR BHARATBHAI	Y
COMPUTER ENGINEERING	150390107010	PATEL JAYKUMAR MUKESHBHAI	Y
COMPUTER ENGINEERING	150390107014	RAJVANI HIRENKUMAR FATEHCHAND	Y
COMPUTER ENGINEERING	150390107015	SHUKAL URVASHIBEN HARESHBHAI	Y
COMPUTER ENGINEERING	150390107017	VASVANI BHAVESH GIRISHBHAI	Y
COMPUTER ENGINEERING	150390107018	VERMA MAYANK MANOJKUMAR	Y
INFORMATION TECHNOLOGY	140390116013	SHAH MADHAVIBEN KETANKUMAR	Y
INFORMATION TECHNOLOGY	150390116001	CHAUHAN MAYURRAJ	Y
INFORMATION TECHNOLOGY	150390116004	GAJIPARA MAULIK PARASOTAMBHAI	Y
INFORMATION TECHNOLOGY	150390116006	MANDAL KAUSHIK KARTIKBHAI	Y
INFORMATION TECHNOLOGY	150390116008	PARIKH PURVESH RAJENDRABHAI	Y
INFORMATION TECHNOLOGY	150390116009	GOSWAMI PARTH DINESHKUMAR	Y
INFORMATION TECHNOLOGY	150390116011	PATEL CHINTANKUMAR LABHUBHAI	Y