

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

Sr. No.	Description
1	Curriculum of Mumbai University
2	NSS-TSEC



Dr. G. T. Thampi
PRINCIPAL

Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



Curriculum for Professional Communication & Ethics-I



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Professional Communication & Ethics-I is being included in Sem 1 of all branches viz. Computer Engineering, Information Technology, Electronics & Telecommunication, Chemical Engineering, Biomedical Engineering serving same Curriculum for the fore-mentioned branches of Engineering. Hence, one Syllabus copy of Computer Engineering is being given for reference.

Semester II

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			
		Theory	Pract.	Tut.	Theory	Pract.	Tut.	Total
FEC201	Engineering Mathematics-II	3	--	1*	3	--	1	4
FEC202	Engineering Physics-II	2	--	--	2	--	--	2
FEC203	Engineering Chemistry-II	2	--	--	2	--	--	2
FEC204	Engineering Graphics	2	--	--	2	--	--	2
FEC205	C programming	2	--	--	2	--	--	2
FEC206	Professional Communication and Ethics- I	2	--	--	2	--	--	2
FEL201	Engineering Physics-II	--	1	--	--	0.5	--	0.5
FEL202	Engineering Chemistry-II	--	1	--	--	0.5	--	0.5
FEL203	Engineering Graphics	--	4	--	--	2	--	2
FEL204	C programming	--	2	--	--	1	--	1
FEL205	Professional Communication and Ethics- I	--	2	--	--	1	--	1
FEL206	Basic Workshop practice-II	--	2	--	--	1	--	1
Total		13	12	01	13	06	01	20



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Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned				
		Theory	Pract.	Tut.	Theory	Tut.	Pract.	Total	
FEC206	Professional Communication and Ethics- I	2	--	--	2	--	--	2	
Course Code	Course Name	Examination Scheme							
		Theory					Term Work	Pract./oral	Total
		Internal Assessment			End Sem. Exam.	Exam. Duration (in Hrs)			
		Test 1	Test 2	Avg.					
FEC206	Professional Communication and Ethics- I	10	10	10	40	2	--	--	50

Objectives

1. To demonstrate the fundamental concepts of interpersonal and professional communication.
2. To encourage active listening with focus on content, purpose, ideas and tone.
3. To facilitate fluent speaking skills in social, academic and professional situations.
4. To train in reading strategies for comprehending academic and business correspondence.
5. To promote effective writing skills in business, technology and academic arenas.
6. To inculcate confident personality traits along with grooming and social etiquettes.

Outcomes: Learners will be able to understand how to...

1. Eliminate barriers and use verbal/non-verbal cues at social and workplace situations.
2. Employ listening strategies to comprehend wide-ranging vocabulary, grammatical structures, tone and pronunciation.
3. Prepare effectively for speaking at social, academic and business situations.
4. Use reading strategies for faster comprehension, summarization and evaluation of texts.
5. Acquire effective writing skills for drafting academic, business and technical documents.
6. Successfully interact in all kinds of settings, displaying refined grooming and social skills.

Module	Detailed Contents	Hrs.
I	FUNDAMENTALS OF COMMUNICATION	12
	I.1. Introduction to Theory of Communication <ul style="list-style-type: none"> ● Definition ● Objectives ● Postulates/Hallmarks ● The Process of Communication ● Organizational Communication <ul style="list-style-type: none"> ○ Formal (Upward, Downward and Horizontal) ○ Informal (Grapevine) I.2. Methods of Communication <ul style="list-style-type: none"> ● Verbal (Written & Spoken) ● Non-verbal <ul style="list-style-type: none"> ○ Non-verbal cues perceived through the five senses: (Visual, Auditory, Tactile, Olfactory and Gustatory cues) ○ Non-verbal cues transmitted through the use of: (The Body, Voice, Space, Time and Silence) I.3. Barriers to Communication <ul style="list-style-type: none"> ● Mechanical/External 	



	<ul style="list-style-type: none"> ● Physical/Internal ● Semantic & Linguistic ● Psychological ● Socio-Cultural <p>1.4. Communication at the Workplace</p> <ul style="list-style-type: none"> ● Corporate Communication - Case Studies ● Listening Tasks with Recordings and Activity Sheets ● Short Speeches as Monologues <ul style="list-style-type: none"> ○ Informative Speeches that Center on People, Events, Processes, Places, or Things ○ Persuasive Speeches to Persuade, Motivate or Take Action ○ Special Occasion Speeches for Ceremonial, Commemorative, or Epideictic purposes ● Pair-work Conversational Activities (Dialogues) ● Short Group Presentations on Business Plans 	
2	<p>VERBAL APTITUDE FOR EMPLOYMENT</p> <p>2.1. Vocabulary Building</p> <ul style="list-style-type: none"> ● Root words (Etymology) ● Meaning of Words in Context ● Synonyms & Antonyms ● Collocations ● Word Form Charts ● Prefixes & Suffixes ● Standard Abbreviations <p>2.2. Grammar</p> <ul style="list-style-type: none"> ● Identifying Common Errors <ul style="list-style-type: none"> ○ Subject - Verb Agreement ○ Misplaced Modifiers ○ Articles ○ Prepositions ● Tautologies ● Pleonasm (Redundancies) ● Idioms ● Cliches 	02
3	<p>DEVELOPING READING AND WRITING SKILLS</p> <p>3.1. Reading Comprehension</p> <ul style="list-style-type: none"> ● Long Passages ● Short Passages ● MCQs on Inferential Questions with 4 Options <p>3.2. Summarization of reading passages, reports, chapters, books</p> <ul style="list-style-type: none"> ● Graphic Organizers for Summaries <ul style="list-style-type: none"> ○ Radial Diagrams like Mind Maps ○ Flow Charts ○ Tree Diagrams ○ Cyclic Diagrams ○ Linear Diagrams like Timelines ○ Pyramids ○ Venn Diagrams ● Point-form Summaries ● One sentence Summaries of Central Idea <p>3.3. Paraphrasing</p> <ul style="list-style-type: none"> ● Understanding Copyrights ● Running a Plagiarism Check on Paraphrased Passages ● Generating Plagiarism Reports 	02



	<ul style="list-style-type: none"> ● Basic APA and MLA Referencing Style and Format 	
4	<p>BUSINESS CORRESPONDENCE</p> <p>4.1. Seven Cs of Business Correspondence</p> <ul style="list-style-type: none"> ● Completeness ● Conciseness ● Consideration ● Concreteness ● Clarity ● Courtesy ● Correctness <p>4.2. Parts of a Formal Letter and Formats</p> <ul style="list-style-type: none"> ● Parts/Elements of a Formal Letter <ul style="list-style-type: none"> ○ Letterheads and/or Sender's Address ○ Dateline ○ Inside Address ○ Reference Line (Optional) ○ Attention Line (Optional) ○ Salutation ○ Subject Line ○ Body ○ Complimentary Close ○ Signature Block ○ Enclosures/Attachments ● Complete/Full Block Format <p>4.3. Emails</p> <ul style="list-style-type: none"> ● Format of Emails ● Features of Effective Emails ● Language and style of Emails <p>4.4. Types of Letters in Both Formal Letter Format and Emails</p> <ul style="list-style-type: none"> ● Claim & Adjustment Letters ● Request/Permission Letters ● Sales Letters 	06
5	<p>BASIC TECHNICAL WRITING</p> <p>5.1. Introduction</p> <ul style="list-style-type: none"> ● What is Technical Writing? ● Importance and Principles of Technical Writing ● Difference between Technical Writing & Literary Writing ● Framing Definitions ● Difference between Technical Description & Instructions <p>5.2. Description of a Technical Object</p> <ul style="list-style-type: none"> ● Definition ● Diagram ● Discussion of Parts/Characteristics <p>Working</p> <p>5.3. Writing User Instructions</p> <ul style="list-style-type: none"> ● User Instructions ● Special Notices (Note, Warning, Caution and Danger) ● Styles of Presentation <ul style="list-style-type: none"> ○ Impersonal ○ Indirect ○ Direct ● Imperative <p>5.4. Description of a Technical / Scientific Process</p>	02



	<ul style="list-style-type: none"> • Definition • Diagram • Tools/ Apparatus/Software/ Hardware Used • Working • Result 	
6	<p>PERSONALITY DEVELOPMENT AND SOCIAL ETIQUETTES</p> <p>6.1. Personality Development</p> <ul style="list-style-type: none"> • Introducing Self and/or a Classmate • Formal Dress Code <p>6.2. Social Etiquettes</p> <ul style="list-style-type: none"> • Formal Dining Etiquettes • Cubicle Etiquettes • Responsibility in Using Social Media • Showing Empathy and Respect • Learning Accountability and Accepting Criticism • Demonstrating Flexibility and Cooperation • Selecting Effective Communication Channels 	02

Assessment:

Internal Assessment Test:

Assessment consists of two class tests of 10 marks each.

TEST I -Public speech on general topics (Maximum 5 mins. per student)

TEST II - Written test covering modules 1 - 6

The second test should be based on theory and application exercises as mentioned in the syllabus. (Note: Summarization should be a compulsory question in Test II and not in the End Semester Theory Examination.)

End Semester Theory Examination:

1. Question paper will comprise of total 06 questions, each carrying 15marks.
2. Total 04 questions need to be solved.
3. Question No: 01 will be compulsory and based on entire syllabus wherein sub-questions of 2 to 5 marks will be asked.
4. Remaining questions will be mixed in nature.(e.g. Suppose Q.2 has part (a) from module3 then part (b) will be from any module other than module 3)
5. In question paper weightage of each module will be proportional to number of respective lecture hours as mentioned in the syllabus.
6. The first module (Fundamentals of Communication) will carry 40 % weightage.

Text Books.

1. Sanjay Kumar & Pushp Lata (2018). Communication Skills with CD. New Delhi: Oxford University Press.
2. Hemphill, P.D., McCormick, D. W., & Hemphill, R. D. (2001). Business Communication with writing improvement exercises. Upper Saddle River, NJ. Prentice Hall.
3. Locker, Kitty O. Kaczmarek, Stephen Kyo. (2019). Business Communication: Building Critical Skills. Place of publication not identified: Mcgraw-hill.
4. Murphy, H. (1999). Effective Business Communication. Place of publication not identified: Mcgraw-Hill.
5. Raman, M., & Sharma, S. (2016). Technical Communication: Principles and practice. New Delhi: Oxford University Press.

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Curriculum for Business Communication & Ethics



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Course Code	Course/Subject Name	Credits
CPL502	Business Communication & Ethics	2

Objectives:

1. To inculcate in students professional and ethical attitude, effective communication skills, teamwork, skills, multidisciplinary approach and an ability to understand engineer's social responsibilities.
2. To provide students with an academic environment where they will be aware of the excellence, leadership and lifelong learning needed for a successful professional career.
3. To inculcate professional ethics and codes of professional practice
4. To prepare students for successful careers that meets the global Industrial and Corporate requirement provide an environment for students to work on Multidisciplinary projects as part of different teams to enhance their team building capabilities like leadership, motivation, teamwork etc.

Outcomes: A learner will be able to

1. communicate effectively in both verbal and written form and demonstrate knowledge of professional and ethical responsibilities
2. Participate and succeed in Campus placements and competitive examinations like GATE, CET.
3. Possess entrepreneurial approach and ability for life-long learning.
4. Have education necessary for understanding the impact of engineering solutions on Society and demonstrate awareness of contemporary issues.

Module	Detailed Contents	Hrs.
01	Report Writing 1.1 Objectives of report writing 1.2 Language and Style in a report 1.3 Types of reports 1.4 Formats of reports: Memo, letter, project and survey based	08
02	Technical Proposals 2.1 Objective of technical proposals 2.2 Parts of proposal	02
03	Introduction to Interpersonal Skills 3.1 Emotional Intelligence 3.2 Leadership 3.3 Team Building 3.4 Assertiveness 3.5 Conflict Resolution 3.6 Negotiation Skills 3.7 Motivation 3.8 Time Management	08
04	Meetings and Documentation 4.1 Strategies for conducting effective meetings 4.2 Notice 4.3 Agenda	02



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	4.4 Minutes of the meeting	
05	Introduction to Corporate Ethics and etiquettes 5.1 Business Meeting etiquettes, Interview etiquettes, Professional and work etiquettes, Social skills 5.2 Greetings and Art of Conversation 5.3 Dressing and Grooming 5.4 Dinning etiquette 5.5 Ethical codes of conduct in business and corporate activities (Personal ethics, conflicting values, choosing a moral response, the process of making ethical decisions)	02
06	Employment Skills 6.1 Cover letter 6.2 Resume 6.3 Group Discussion 6.4 Presentation Skills 6.5 Interview Skills	06

List of Assignment:

1. Report Writing (Synopsis or the first draft of the Report)
2. Technical Proposal (Group activity, document of the proposal)
3. Interpersonal Skills (Group activity and Role play)
4. Interpersonal Skills (Documentation in the form of soft copy or hard copy)
5. Meetings and Documentation (Notice, Agenda, Minutes of Mock Meetings)
6. Corporate ethics and etiquettes (Case study, Role play)
7. Cover Letter and Resume
8. Printout of the PowerPoint presentation

Term Work:

Term work shall consist of all assignments from the list. The distribution of marks for term work shall be as follows:

- Assignments: (20) Marks.
- Project Report Presentation..... (15) Marks.
- Group Discussion..... (10) Marks.
- Attendance (05) Marks
- TOTAL: (50) Marks.**

The final certification and acceptance of term work ensures the satisfactory performance of work assigned and minimum passing in the term work.



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**Program Structure for
TE Biomedical Engineering
University of Mumbai
(With effect from academic year 2018 - 19)**

Scheme for Semester V

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	Total
BMC501	Diagnostic & Therapeutic Instruments	04	----	----	04	----	----	04
BMC502	Analog and Digital Circuit Design	04	----	----	04	----	----	04
BMC503	Principles of Communication Engineering	04	----	----	04	----	----	04
BMC504	Biomedical Digital Signal Processing	04	----	----	04	----	----	04
BMDLO501X	Department Level Optional Course – I	04	----	----	04	----	----	04
BML501	Business Communication and Ethics	----	02*+02	----	----	02	----	02
BML502	Diagnostic and Therapeutic Instruments	----	02	----	----	01	----	01
BML503	Integrated and Communication Circuit Design	----	02	----	----	01	----	01
BML504	Biomedical Digital Signal Processing	----	02	----	----	01	----	01
BMDLL501X	Department Level Optional Course Laboratory – I	----	02	----	----	01	----	01
Total		20	12	----	20	06	----	26

**University of Mumbai
Program Structure for B.E. Biotechnology (Revised 2016)
T.E. Semester V (w.e.f 2018-2019)**

Course code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	Total
BTC501	Bioinformatics	4	-	-	4	-	-	4
BTC502	Genetic Engineering	4	-	-	4	-	-	4
BTC503	Thermodynamics and Biochemical Engineering	3	-	1	3	-	1	4
BTC504	Bioreactor Analysis and Technology	3	-	1	3	-	1	4
BTC505	Business Communication and Ethics	2	-	2	-	-	2	2
BTE501X	Elective I	3	-	1	3	-	1	4
BTL501	Bioinformatics Lab	-	2	-	-	1	-	1
BTL502	Genetic Engineering Lab		3			1.5		1.5
BTL503	Lab I		3			1.5		1.5
	Total	17	12	3	17	6	3	26



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University of Mumbai
Program Structure for B.E. Chemical Engineering (Revised 2016)
T.E. Semester V (w.e.f 2018-2019)

Course code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			Total
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	
CHC501	Computer programming and Numerical Methods	4	-	-	4	-	-	4
CHC502	Mass transfer Operations-I (MTO- I)	4	-	-	4	-	-	4
CHC503	Heat transfer Operations (HTO)	4	-	-	4	-	-	4
CHC504	Chemical Reaction Engineering-I (CRE I)	4	-	-	4	-	-	4
CHC505	Business Communication & Ethics	2	-	2	-	-	2	2
CHDE501X	Department Elective I	4	-	-	4	-	-	4
CHL501	Computer programming and Numerical Methods lab	-	2	-	-	1	-	1
CHL502	Chemical Engineering Lab IV (MTO-I)	-	3	-	-	1.5	-	1.5
CHL503	Chemical Engineering Lab V (HTO)	-	3	-	-	1.5	-	1.5
CHL504	Chemical Engineering Lab VI (CRE-I)	-	2	-	-	1	-	1
Total		20	14	-	20	5	2	27

Program Structure for
B.E. Electronics & Telecommunication Engineering (Rev. 2016)
University of Mumbai (With Effect from 2017-2018)
Semester V

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned		
		Theory	Pracs	Tut	Theory	TW/ Pracs	Total
ECC501	Microprocessor & Peripherals Interfacing	4	-	-	4	-	4
ECC502	Digital Communication	4	-	-	4	-	4
ECC503	Electromagnetic Engineering	4	-	1@	4	1	5
ECC504	Discrete Time Signal Processing	4	-	-	4	-	4
ECCDLO 501X	Department Level Optional Course I	4	-	-	4	-	4
ECL501	Microprocessor & Peripherals Interfacing Lab	-	2	-	-	1	1
ECL502	Digital Communication Lab	-	2	-	-	1	1
ECL503	Business Communication & Ethics Lab	-	2+2*	-	-	2	2
ECL504	Open Source Technology for Communication Lab	-	2	-	-	1	1
ECLDLO 501X	Department Level Optional Lab I	-	-	2#	-	1	1
Total		20	10	3	20	7	27




University of Mumbai

Program Structure B.E. Information Technology, (Rev. 2016)

T. E. Information Technology (Semester-V)

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			
		Theory	Pract	Tut	Theory	TW/Pract	Tut	Total
ITC501	Microcontroller and Embedded Programming	4	-	-	4	-	-	4
ITC502	Internet Programming	4	-	-	4	-	-	4
ITC503	Advanced Data Management Technology	4	-	-	4	-	-	4
ITC504	Cryptography & Network Security	4	-	-	4	-	-	4
ITDLO-1	Department Level Optional Course-I	4	-	-	4	-	-	4
ITL501	Internet Programming Lab	-	2	-	-	1	-	1
ITL502	Security Lab	-	2	-	-	1	-	1
ITL503	OLAP Lab	-	2	-	-	1	-	1
ITL504	IOT (Mini Project) Lab	-	2	-	-	1	-	1
ITL505	Business Communication and Ethics	-	2+2*	-	-	2	-	2
	Total	20	14	-	20	7	-	26



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NSS-TSEC



NSS-TSEC

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Report on Blood Donation Drive-2 (BDD-2) Conducted on 06/02/24

Date: 06/02/24	Duration: 8 Hours
No. of Participants: NSS Vols. TSEC: 57; Male:31 ; Female: 26	
Venue: College Campus	

On February 6, 2024, the NSS unit of Thadomal Shahani Engineering College (TSEC) conducted its second Blood Donation Drive (BDD-2), a collaborative effort with Tata Memorial Hospital to address the ongoing need for blood donations. Building on the success of the previous event, the drive aimed to provide a safe, supportive space for students and faculty to contribute to a life-saving cause. With a total of 160 registrations and 92 successful blood donations, BDD-2 saw enthusiastic participation from the TSEC community. Principal Dr. G.T. Thampi inaugurated the event, commending the spirit of service embodied by NSS volunteers and urging everyone to recognize the importance of regular blood donations.

Before the drive, NSS members conducted a class-to-class campaign to raise awareness and encourage participation, while informative posts sharing pre- and post-donation care tips were circulated online and reiterated by volunteers during the event to prioritize donor health. The drive was organized with dedicated counters for registration, health screenings, donations, snacks, and a photo booth, ensuring that the entire experience was well-coordinated and efficient. Volunteers assisted with the checkup and donation processes, offering donors refreshments to help them recover and feel appreciated for their contribution. The event area was thoughtfully decorated to create a positive and welcoming environment, and a themed photo booth was set up, allowing participants to capture and share their experiences. Each donor also received a certificate of appreciation, granting them priority assistance for themselves or family members in case of a future need for blood—adding a personal and practical reward for their altruism.

In conclusion, BDD-2 was a testament to the dedication and social responsibility of the TSEC community. Through meticulous planning and effective collaboration with Tata Memorial Hospital, NSS volunteers ensured a smooth and meaningful experience for all participants. The event's success, reflected in the high number of registrations and donations, underscores the college's commitment to fostering a culture of community service and health awareness. The efforts of the volunteers and the generosity of the donors are deeply appreciated, and NSS-TSEC looks forward to organizing future drives, continuing to build on this tradition of compassionate action and collective support for healthcare needs.

A few Glimpses are attached









NSS-TSEC

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Coastal Cleanup-ConnectFor

Date: 13/01/2024	Duration: 2 Hrs 30 Mins.
No. of Participants: NSS Vols. TSEC: 28; Male: 17; Female: 11	
Venue: Carter Road	

On January 13th, in a collaborative effort with the help of ConnectFor organization and Carter Cleanup organization, NSS-TSEC facilitated a coastal cleanup initiative at Carter Road Beach. This joint endeavor brought together volunteers from diverse backgrounds, united by a common goal of preserving the natural beauty and ecological health of our coastal environment.

The coastal cleanup commenced at 7:00 AM, with volunteers gathering at the designated meeting point equipped with necessary supplies and safety gear. Under the guidance of organizers from ConnectFor and Carter Cleanup, participants were briefed on the objectives of the cleanup and instructed on proper waste disposal practices.

Divided into teams, volunteers systematically combed the beach area, diligently collecting litter and debris strewn along the coastline. Items ranging from plastic bottles and wrappers to discarded fishing gear and styrofoam containers were meticulously gathered and segregated for appropriate disposal. Throughout the cleanup process, emphasis was placed on minimizing disturbance to natural habitats and wildlife while maximizing the removal of harmful pollutants.

The collaborative spirit and enthusiasm of the volunteers were evident as they worked tirelessly to clear the shoreline of accumulated waste. Through effective teamwork and coordination, significant progress was achieved in restoring the pristine beauty of Carter Road Beach and promoting a cleaner, healthier coastal environment.





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Report on Crime Against Women

Date: 15/1/2024	Duration: 2 hrs
No. of Participants: NSS Vols. TSEC:48	

Event Report: NSS TSEC Volunteer Meetup and "Jagrut Mumbai" Women Safety and Cyber Security Seminar

Introduction:

On the 15th of January, NSS TSEC hosted an exciting and informative event combining a volunteer meetup and the "Jagrut Mumbai" Women Safety and Cyber Security Seminar. Attendees were promised a day filled with wisdom, wit, and a touch of quirkiness as they engaged in discussions on making a positive impact and staying safe both in the physical and digital realms.

"Jagrut Mumbai" Women Safety and Cyber Security Seminar:

Following the volunteer meetup, the focus shifted to the "Jagrut Mumbai" Women Safety and Cyber Security Seminar. With safety as the paramount concern, attendees were guided through discussions on staying street-smart and cyber-savvy in an ever-evolving digital landscape. Expert speakers shared practical tips and strategies for safeguarding personal well-being, both online and offline, empowering participants to navigate potential risks with confidence and resilience.

Interactive Sessions:

Interactive sessions throughout the day encouraged active participation and engagement from attendees. From group discussions to hands-on activities, participants were invited to share their perspectives, ask questions, and collaborate with fellow attendees to explore innovative solutions to common challenges related to volunteerism, women's safety, and cybersecurity.

The NSS TSEC Volunteer Meetup and "Jagrut Mumbai" Women Safety and Cyber Security Seminar provided a unique opportunity for attendees to come together, learn, and collaborate on topics of social significance. By combining elements of volunteerism, community engagement, and personal safety, the event underscored the importance of collective action in creating a safer, more resilient society for all.









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Report on Tree Plantation Drive on 04/02/24

Date: 04/02/2024	Duration: 3 hrs.
No. of Participants: NSS Vols. TSEC: 18; Male: 8; Female: 10	
Venue: Aarey Colony, Goregaon	

A tree plantation drive was organized at Aarey Colony, Goregaon, on 4th February, Sunday, with the aim of promoting environmental sustainability and enhancing the green cover of the region. The primary objective of the tree plantation drive was to contribute to the conservation of the environment by planting a diverse range of saplings. The initiative sought to address issues such as deforestation, air pollution, and the overall decline in green spaces. The plantation drive took place in Aarey Colony, a lush green suburb of Goregaon, known for its biodiversity and natural beauty. The selected area provided an ideal environment for planting a variety of trees, contributing to the overall ecological balance. The event witnessed enthusiastic participation from NSS Volunteers.

NSS Volunteers planted a variety of indigenous tree saplings, carefully chosen to thrive in the local climate. The choice of species aimed at promoting biodiversity and ecological resilience. A significant number of trees were planted, contributing to the restoration of the local ecosystem. It increased awareness and education about the importance of trees and environmental conservation.

The event not only added to the green cover of Aarey Colony but also instilled a sense of environmental consciousness that is essential for the sustainable development of the region. Ongoing efforts and similar initiatives will be crucial in ensuring the long-term health and vitality of Aarey Colony's natural environment.







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Mega Beach- Mangrove Cleanup Conducted on 04/02/24

Date: 04/02/2024	Duration: 2 Hrs .
No. of Participants: NSS Vols. TSEC: 13; Male: 6; Female: 07	
Venue: Carter Road	

On February 4th, a collaborative effort was orchestrated with the support of the Rahul Narain Kanal Foundation and Carter Clean-up organization, as NSS-TSEC spearheaded a Mangrove Clean-up initiative at Carter Road Beach. This joint endeavour attracted volunteers from various backgrounds, all driven by a shared commitment to safeguarding the natural beauty and ecological balance of our coastal environment.

The initiative commenced with volunteers assembling at Carter Road Beach, equipped with necessary tools and supplies provided by the organizing entities. Their enthusiasm and determination set the tone for the day, reflecting a collective resolve to make a tangible impact on the health of the mangrove ecosystem. The diverse array of participants underscored the inclusive nature of the clean-up effort, demonstrating the strength of community collaboration in environmental stewardship.

Under the guidance and coordination of the Rahul Narain Kanal Foundation, Carter Clean-up organization, and NSS-TSEC, volunteers were allocated specific areas within the mangrove habitat to target for clean-up activities. This strategic approach ensured comprehensive coverage of the affected areas while optimizing the efficiency of resource utilization. Despite the challenging terrain and environmental conditions, volunteers remained steadfast in their dedication to the cause.

In conclusion, the Mangrove Cleanup initiative facilitated by the Rahul Narain Kanal Foundation, Carter Cleanup organization, and NSS-TSEC exemplifies the transformative potential of collaborative action in environmental conservation. By uniting volunteers from diverse backgrounds under a common purpose, the initiative showcased the collective capacity to effect positive change and protect vulnerable ecosystems. As we reflect on the success of this endeavour, let it inspire continued efforts towards preserving the natural beauty and ecological health of our coastal environments for generations to come.

Some glimpses of the following event are shown below:





NSS-TSEC

National Service Scheme Unit (Affiliated to the Mumbai University)
Thadomal Shahani Engineering College

P.G. Kher Marg, TPS III, Bandra (W), Mumbai-400050

Ph.:022-26495808, Extn: 2501/2401 (E-mail:nsstsec2122@gmail.com)



Report on Nukkad Natak in Neral

Date: 3rd March to 9th March, 2024	Duration: 17 hours
No. of Participants: NSS Vols. TSEC: 39	
Venue: Neral	

The Nukkad Natak held in Neral, was a significant endeavour aimed at raising awareness and promoting social change. Through this theatrical performance, we sought to engage with the local community on pertinent issues while fostering a sense of collaboration and empathy.

Preparation Phase:

The process commenced with the selection of volunteers on 3rd March. This crucial step involved identifying individuals passionate about theatre and community engagement. Following this, a rigorous five-day practice session was conducted from 4th to 8th March. During these sessions, volunteers dedicated themselves to perfecting their roles, understanding the script, and synchronizing their performances to deliver a compelling narrative.

Nukkad Natak Showcase:

On 9th March, the culmination of our efforts took center stage as we presented the Nukkad Natak to the residents of Neral. The showcase was held in a prominent public space within the village, ensuring maximum accessibility and participation from the community.

Performance Themes:

The Nukkad Natak addressed a range of social issues relevant to the local context. The theme was to raise the awareness about the upcoming **elections**

Impact:

The impact of the Nukkad Natak was profound, sparking conversations and reflections within the community. The interactive nature of the performance allowed for direct engagement with the audience, encouraging them to contemplate their role in addressing societal challenges. Feedback from residents was overwhelmingly positive, with many expressing appreciations for the initiative and its potential to inspire positive change.

Conclusion:

In conclusion, the Nukkad Natak in Neral exemplified the power of theater as a catalyst for social transformation. By leveraging the art form to shed light on pressing issues, we not only entertained but also educated and inspired action within the community. Moving forward, we remain committed to furthering our engagement with Neral and using creative mediums to drive sustainable change.

Acknowledgments:

We extend our heartfelt gratitude to all the volunteers, Nss committee members, the POs, and residents of Neral whose collective effort made this event possible. Special thanks to the college administration for their unwavering support and encouragement throughout the initiative.







TSEC- Institution's Innovation Council Report: World Environment Day Celebration

Date: 5th June, 2024

Duration: 10:00 am - 3:00 pm

Mode: Offline

Topic: World Environment Day Celebration

Introduction:

On the 5th of June 2024, TSEC's Institution's Innovation Council (IIC) proudly hosted a vibrant celebration in honor of World Environment Day. This global event, observed annually, aims to encourage awareness and action for protecting our environment. The 2024 theme, "Restore Our Earth," emphasized the need for collective efforts to heal the planet. TSEC's IIC organized a series of activities and events to engage students, faculty, and the community, fostering a spirit of environmental stewardship and innovation.

Key Takeaways:

- **Community Engagement:** The event successfully brought together students, faculty, and community members, highlighting the importance of collaborative efforts in environmental conservation.
- **Awareness and Education:** Through interactive sessions and competitions, participants gained deeper insights into environmental issues and the actions required to address them.
- **Creativity and Expression:** The poster-making competition provided a platform for participants to express their thoughts on environmental conservation creatively.

Agenda Highlights:

- **Inaugural Ceremony :** The celebration began with an inaugural ceremony graced by esteemed guests and environmental experts. The keynote address emphasized the significance of World Environment Day and the critical role of innovation in achieving sustainable development.

- **Poster-Making Competition:** One of the major highlights of the celebration was the poster-making competition. Participants, primarily students, showcased their creativity and understanding of the "Restore Our Earth" theme. The competition saw a diverse range of entries, each reflecting unique perspectives on environmental conservation. The winning posters were displayed around the campus to inspire ongoing awareness and action.
- **Workshops and Interactive Sessions:** Interactive workshops were organized to provide hands-on experience in sustainable practices. Activities included:
 1. Composting and Waste Management Techniques
 2. Urban Gardening and Green Spaces
 3. Renewable Energy Solutions
- **Green Pledge:** The celebration concluded with a green pledge, where participants committed to adopting eco-friendly practices in their daily lives.

Conclusion:

The World Environment Day celebration organized by TSEC's Institution's Innovation Council was a resounding success. It not only highlighted the urgent need for environmental conservation but also demonstrated the power of innovation and community action. The event served as a platform for learning, inspiration, and collaboration, empowering participants to take meaningful steps toward a sustainable future. The enthusiasm and creativity displayed, especially in the poster-making competition, underscored the potential of the younger generation to drive positive environmental change. As we move forward, the lessons and commitments from this celebration will continue to inspire and guide our efforts to restore and protect our planet.

Visual Insights:



Dr. G. T. Thampi
President - IIC, TSEC

Dr. Madhuri Rao
Vice President - IIC, TSEC



Judging Round



WINNERS

Dr. G. T. Thampi
President - IIC, TSEC

Dr. Madhuri Rao
Vice President - IIC, TSEC

TSEC- Institution's Innovation Council Report: Women's Day Celebration

Date: 11th March, 2024

Duration: 10:00 am - 3:00 pm

Mode: Offline

Topic: Women's Day Celebration

Introduction:

On March 11, 2024, the Institute Innovation Council (IIC) of Thadomal Shahani Engineering College (TSEC) hosted a vibrant celebration for International Women's Day. The event, held from 10 AM to 3 PM, aimed to honor the achievements and contributions of women while highlighting important issues related to gender equality and safety. The celebration featured a range of activities, including an expert talk on women's safety, workshops, and interactive sessions, creating a platform for reflection, learning, and empowerment.

Key Takeaways:

- The event underscored the importance of empowering women through education and practical knowledge, particularly in the areas of personal safety and self-defense.
- Celebrating women's achievements and success stories inspired attendees and highlighted the significant contributions of women across various fields.
- The event provided valuable networking opportunities, fostering a supportive community for sharing experiences and building professional connections.
- Attendees gained actionable safety tips and strategies from the expert talk, enhancing their awareness and preparedness for personal security.

Agenda Highlights:

- The event commenced with opening remarks and a warm welcome at 10:00 AM, setting the stage for the day's activities.

- A keynote address at 10:30 AM celebrated women's achievements and contributions, providing motivation and inspiration.
- At 11:30 AM, an expert talk on women's safety offered practical self-defense techniques and safety awareness, including interactive demonstrations.
- Interactive workshops from 1:00 PM focused on personal development, leadership skills, and overcoming gender-related workplace challenges.
- A networking lunch at 2:00 PM allowed attendees to discuss experiences, exchange ideas, and build connections in an informal setting.
- The event concluded with closing remarks and reflections at 3:00 PM, summarizing key learnings and encouraging ongoing efforts towards gender equality and women's empowerment.

Conclusion:

The Women's Day Celebration hosted by IIC TSEC on March 11, 2024, was a significant and impactful event that combined education, inspiration, and practical knowledge. The expert talk on women's safety was particularly valuable, equipping participants with essential skills and strategies for personal security. The diverse range of activities, from keynote addresses to interactive workshops, fostered a sense of community and empowerment among attendees. Overall, the event successfully highlighted the importance of celebrating women's achievements and addressing critical issues related to gender equality and safety.

Visual Insights



Dr. G. T. Thampi
President - IIC, TSEC

Dr. Madhuri Rao
Vice President - IIC, TSEC

TSEC- Institution's Innovation Council Report: Independence Day Celebration

Date: 15th August, 2024

Duration: 10:00 am - 3:00 pm

Mode: Offline

Topic: Independence Day Celebration

Introduction:

On the 15th of August 2024, TSEC's Institution's Innovation Council (IIC) hosted a grand celebration to honor India's Independence Day. Independence Day is celebrated to commemorate the day in 1947 when India gained independence from British rule. It's a national holiday that reminds us of the sacrifices made by freedom fighters, the beginning of a new era, and the struggle for independence. The event aimed to instill a sense of patriotism, pride, and responsibility among students, faculty, and the community, highlighting the role of innovation in national development.

Key Takeaways:

- **Patriotism and Unity:** The celebration fostered a sense of national pride and unity among participants, emphasizing the significance of Independence Day.
- **Role of Innovation:** The event highlighted the crucial role of technological and social innovations in driving national progress and addressing societal challenges.
- **Community Engagement:** The inclusive celebration brought together students, faculty, and community members, promoting a spirit of collective effort and collaboration.
- **Recognition of Contributions:** Outstanding contributions by students and faculty in various domains were acknowledged, encouraging further excellence and innovation.

Agenda Highlights:

- **Flag Hoisting Ceremony :** The event began with the flag hoisting ceremony, led by the principal and other distinguished guests. The national anthem was sung with fervor, and the atmosphere was filled with patriotic zeal.

- **Inspirational Speeches:** Following the flag hoisting, a series of speeches were delivered by esteemed guests, including faculty members and invited dignitaries. The speeches focused on the historical significance of Independence Day, the progress India has made, and the role of youth in shaping the nation's future.
- **Cultural Performances:** A vibrant cultural program showcased the diverse heritage of India. Students performed traditional dances, songs, and skits that depicted India's rich cultural tapestry and the spirit of unity in diversity.
- **Innovation Exhibition:** An exhibition was set up to display innovative projects and research work by students and faculty. These projects demonstrated the application of technology to solve real-world problems, reflecting the theme of innovation driving national progress.

Conclusion:

The Independence Day celebration organized by TSEC's Institution's Innovation Council was a resounding success. The event not only commemorated a significant day in India's history but also highlighted the importance of innovation and collective effort in national development. Through flag hoisting, inspirational speeches, cultural performances, exhibitions, and competitions, participants were instilled with a sense of patriotism and responsibility. The event served as a platform for showcasing talent, fostering collaboration, and inspiring future contributions to the nation's progress. As we move forward, the lessons and enthusiasm from this celebration will continue to inspire and guide our efforts toward building a stronger and more innovative India.

Visual Insights:



Dr. G. T. Thampi
President - IIC, TSEC

Dr. Madhuri Rao
Vice President - IIC, TSEC