

2.2.1: The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

Sr. No	Details
1	Social Responsibility Annual Reports
2	Reports of Enhancing emotional / intellectual integrity
3	Reports of Multiple Hackathons/Technovation Events conducted by the institute
4	Report of Industrial Visit Organized

THADOMAL SHAHANI ENGINEERING COLLEGE

Report on 9 Days NSS residential Camp of NSS-TSEC

22 – 30 December 2019

DAY 1

Name of project/Activity : CARDIAC ARREST RESUSCITATION

Conducted by iCare, Holy Family Hospital, Bandra W.

Date/Duration : 22 December, 2019 ,

Place : Ambewadi

Objective : To create awareness among villagers people regarding cardiac arrest and First Aid.

Description of activity execution : People were educated about what to do when they collapse due to a sudden unexpected cardiac arrest.

No. Of attendees : 86

No. Of Beneficiaries :73

Expected Outcome: Educate people about cardiac arrest by conducting a seminar and demonstration

Actual Measurable Outcome : 20- 30 villagers attended seminar

Photographs and Videos :

DAY 2

Name of project/Activity : mallakhamba

Date/Duration : 23 December, 2019 , 2 hrs

Place : Ambewadi

Objective : to introduce activities like malakhamba to the students and villagers and help them recognize their hidden talents.

Description of activity execution : Shri. Uday Deshpande graced the event along with a few of his assistants and taught the students the basics of Malakhambha guiding them in the most efficient way.

No. Of attendees : 85(no. of students)

No. Of Beneficiaries :85+

Expected Outcome:

Actual Measurable Outcome :85+

Photographs and Videos :

DAY 3

Name of Project/Activity: Fun fair

Date/Duration:24 December,2019

Place: Ambewadi

Objective: To increase the employment of the village and increase interaction between volunteers and villagers. Empower and imbibe confidence of entrepreneurship in Villagers.

Description of activity execution : 5 food stalls and 5 game stalls were organized for villagers as well volunteers. Various dishes made by villagers were kept in the food stalls.

Food Stalls:

Name of villagers	Dishes	Total Profit
Gulab Sadanand Shingve	Puran poli, sheera	725
Datta Darawadda	Sharbat	800
A P shingve	Misal pav	1225
Shingve	Vada pav, Manchurian balls	1150
Shingve	Pattice, Puri bhaji	825

All the profit of this activity is proportionately distributed among the new entrepreneur villagers.

DAY 4

Name of project/Activity : Joy of Giving

Date/Duration : 25th December, 2019 , 30 minutes

Place : Ambewadi

Background : The villagers of our five adopted villages have a low income which sometimes restricts them from buying basic necessities like clothes

Objective : To provide the villagers with usable clothes

Description of activity execution : We conducted a week long event in our college where the students donated clothes, stationary and toys .We then Distributed these donations among the villagers of the adopted villages

No. Of attendees : 60

No. Of Beneficiaries : 60(no. Of villagers)

Expected Outcome : Providing good clothes to villagers

Actual Measurable Outcome : At least 2-3 pair of clothes were donated to each house.

Photographs and Videos

DAY 5

Name of Project/Activity: Gramotsav

Date/Duration: 26 December,2019

Place:Ambewadi

Objective: To find hidden talent of students and introduce it to others by conducting various sports and cultural activities

Description of Activity execution: Various sports such as Tug of War, Musical Chair, Kho-Kho, Kabaddi, Langadi, Lemon Spoon, Long jump, Betchki, Race,etc were conducted along with the cultural activities such as dance, drama, singing were organized.

Number of attendees:350

Number of Beneficiaries:350

Expected Outcome: Encouraging children to participate in cultural as well as sports activities

Actual Measurable Outcome:

Games:

Games	Timing
Drawing Competition	9-10
Marble spoon	10-12.30
Betchki	10-1
Racing	10.30-1
Long jump	12-2
Kho Kho	10-1
Langadi	10.30-1.30
Kabbadi	10.30-1.30
Tug of War	12-1.30
Musical Chair	11-12

DAY 6

Name of project/Activity : Medical camp

Date/Duration : 27 december 2019

Place : Ambewadi

Objective : To let the villagers know about their health by providing a full body check up free of cost and also provide them with temporary medicines.

Description of activity execution: a full body medical check including the dental check up was organized in coordination with the Rotaract Club of Nair Hopsital, Mumbai,. Along with this free eye check was also organized in coordination with Wavikar institute, Thane. Medicines for iron deficiency, joint pain, body pain, multivitamin were given to the villagers.

No. Of attendees : 53

No. Of Beneficiaries :53

Expected Outcome:100

Actual Measurable Outcome :53

Photographs and Videos :

DAY 7

Name of project/Activity : Street play

Date/Duration : 28 december 2019

Place : Ambewadi and anandwadi

Objective : awareness regarding various social issues like superstition , ill effects of alcohol and tobacco , women empowerment and self defence through an entertaining way.

Description of activity execution: performance on social topics was done by the volunteers for approximately 10 mins in anandwadi and ambewadi which included unique publicity of going all over the village to attract the villagers.

No. Of attendees : 90

No. Of Beneficiaries :80

Expected Outcome:To aware the villagers about different social issues.

Actual Measurable Outcome : some people learnt how to tackle different social issues and how to be aware.

Photographs and Videos :

DAY 8

Name of Project/Activity: Women Empowerment; Personal Hygiene and sanitation

Date/Duration: 29 December, 2019 : 2 hours

Place: Samaj Mandir, Ambewadi

Objective: To create awareness about personal hygiene and encourage usage of sanitary napkins

Description of Activity execution:

Number of Attendees: 43

Number of Beneficiaries:43

Expected Outcome: To make women feel more comfortable talking about menstrual cycles. To make them realize that it is not a taboo and encourage women to use sanitary napkins on a regular basis. Also set up a chain to continuously supply sanitary pads to the women of the villages from the Aarogya Kendra situated in Neral

Actual Measurable Outcome: Ladies especially young girls learnt about periods in detail and were able to keep aside their reservations regarding periods as they came together to discuss about the issues which women face during periods. We made sure women start using sanitary pads by distributing them among the ladies.

Photographs/Videos

DAY 9

Name of Project/Activity: Construction of Compost Pits

Date/Duration: 30 December, 2019 : 4 hours

Place: Ambewadi and Anandwadi

Objective: To create awareness about disposal of organic and compostable waste like kitchen waste. Create Compost for organic agriculture, horticulture activity

Description of Activity execution: 50 Volunteers worked in fieldwork and formed compost pits (4 Nos.) of size 3x3 foot and 4 foot deep. Created awareness about putting all kitchen and biodegradable waste into these pits. Standard operating procedure is taught.

Number of Attendees: 50 Volunteers and 30 Villagers

Number of Beneficiaries: 500 Villagers of Anandwadi and Ambewadi.

Expected Outcome: To create compost for the Agriculture and Horticulture with the more nutrient content in the more produce with higher profits to the villagers.

Regular Activities performed during the 9 Days Camp

व्यायाम व योगाभ्यास

श्रमदान

बागकाम/Parasbag (Done by Aditi & Vatsal)

प्रौढ शिक्षण

Natural Farming

प्रथमोपचार प्रशिक्षण कार्यशाळा

Other Activities performed during the 9 Days Camp

शालेय मुलांना खेळणी व ग्रंथालय व सजावटीचे (Vertical Garden)

स्वच्छ भारत

वैद्यकीय चिकित्सा शिबीर व स्वयं चिकित्सा कार्यशाळा

नैसर्गिक पर्यटन व करमणूक

Glances of 9 Days NSS residential Camp of NSS-TSEC at Anandwadi, Neral



First Aid Workshop



Principal's Visit



2nd Gramotsav (Sports Day & Cultural Night)



Cultural Night



Reception Dinner



Kitchen Tent



Women Empowerment, Personal Hygiene Workshop for Villager Women



Distribution of Sanitary napkins



Personal Hygiene



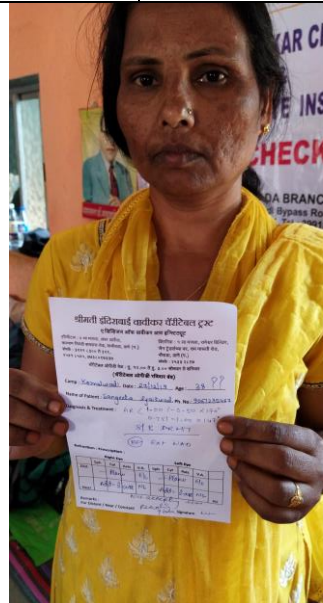
Street Play



Sports



Cultural



Eye Check up Camp by Wavikar Eye Institute, Thane

UNIVERSITY OF MUMBAI
NATIONAL SERVICE SCHEME UNIT

Annual Report on NSS Activities for the Year : 2019-2020 (Progressive)

1. Name of the College : Thadomal Shahani Engineering College.

2. Details of NSS Programme Officers:

Sr	Name of the NSS Programme Officer	Male / Female	Trained Untrained (Completed NSS Orientation)
1	SACHIT NALASKAR	M	Yes
2	GAURI SHUKLA	F	No

3. Date of Meeting of College Advisory Committee:

First Meeting- : 5th Oct., 2019

Second Meeting- : 14th Dec. 2019

4. Total No of Student in Senior College :

1800

5. Total No of Students Volunteers in NSS:

200

6. NSS Students Enrolment :

Male- 127 Female- 73 Total - 200

7. No of villages adopted : 5

8. No of participant of Special Camp:

Male -42 Female - 36 Total – 78

Dates	Venue	No of Programme Officers participated			No of Volunteers participated		
		Male	Female	Total	Male	Female	Total
22 – 30 Dec '19	Anandwadi-Ambewadi, Neral, Tal. Karjat, Dist. Raigad	1	1	2	41	35	76

9. Details of Blood Donation:- Please attach List of Blood Donors along with blood group

S.N.	Date	Name of the Blood Bank	No of Bottle/ Unit Collected	Donors			Remark, if any
				Male	Female	Total	
1 st camp	25 th September 2019	TATA HOSPITAL	113	93	20	113	101 Donors rejected
2 nd Camp	26 th February 2020	TATA HOSPITAL	73	49	24	73	55 Donors rejected

10. Tree Plantation

No. of saplings/trees planted	No. of NSS Volunteers involved		
	Male	Female	Total
65	53	29	82

11. Education & Health Awareness/ Camps Programme if any :

Activity	No of Programme /camps/ activity organized	No. of NSS Volunteers involved			No. of Beneficiaries/ Output
		Mal e	Fema le	Tot al	
Disaster Management Training (& Fire Drill)	1	35	25	60	60 + 25 Staff = 85
Self Defense Training for Girls					
School Dropout Survey					No of children's enrolled in

conducted if any						School-
Road Safety Campaign/ Camp						
Yoga Training / Demonstration if any		IDY'19	9	16	25	25 benefited
		Yoga Training at MU	1	1	2	2 & Created Awareness in College and residential areas
		Yoga Training during Res. Camp	41	36	77	82 Learnt Yoga as per CYP
		Yoga Training by ISHA at TSEC	25	30	55	55
		K'dhama & HSNC 2 Day National Seminar	4	0	4	04 + 27 Student Volunteers briefed
		Training by Art of Living	14	9	25	Meditation Kriya
		CYP Training Camp at KC	7	6	13	CYP Training
Pulse Polio Immunization						Beneficiaries- NIL
Eye check-up camps		Wavikar Eye institute	22	10	32	Beneficiaries - 112 Villagers
Health Camps/Dental		Thalassemia check up	13	07	20	Beneficiaries- 128
		Health Camp	33	28	61	132 Villagers
Prevention of Diseases (Awareness)	Rallies					
	Organizing functions	Women Personal Hygiene	0	25	25	12 Women villagers attended + 225 benefitted
	Street Plays	2	8	5	13	200 Villagers
	Door-to-door Campaigns	3	35	24	59	550 Villagers
	Distribution of IEC Materials	Sanitary Napkins distribution	0	24	24	125 Women
	Distribution of iron and/folic Acid Tablets	Iron & Multi-Vitamin tabs	06	05	11	150 Villagers including children
	Facilitating institutionalized Deliveries of women					
Swachha Bharat, People's involvement and sustainability						
Swachha Bharat Abhiyan	Cleaning of school	1	26	18	44	125 School Children
	Cleaning of College	1	12	08	20	Awareness in College & Cleaned Campus
	Cleaning of Offices complexes, toilets & garbage of District & zonal Office	1	08	04	08	College Canteen Area & Common area cleaned
	Cleanliness drive to clean street and common places	1	35	20	55	300 Villagers 25 participated
	Motivation resulting into construction of toilets					
	Maintenance & repair of cremation grounds and play grounds					
Defecation Free Campaign: Motivation resulting into construction of Toilets/ activity for construction of toilet	Covered in Street Play	12	08	20		1)No of toilets or pits - 2)No of Villages made defecation free- 3)Beneficiaries-

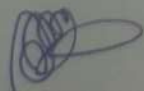
Activity	No of Programmes /camps/ activity organized	No. of NSS Volunteers involved			No. of Beneficiaries/ Output-_____
		Male	Female	Total	
Farmer Centric/ Agriculture based activity like organic farming any demonstration /training if any (pl mention activity)	Screening; Seminar & Actual Natural Farming Methods implemented in 1 Farm & in Z.P. School	12	04	16	Beneficiaries- 80 Villagers approx.
Programmes on Conservation of water/ Water Harvesting/ watershed development	Awareness conducted; fieldwork is planned				1)No of water bodies/conservation structure - _____ 2)Beneficiaries-
Shramadan Programme	Building of Compost Pits	15	06	21	
Energy Efficiency and Conservation , Employment Generation Strategies,					
Activity	No of / camps/ activity any organized	No. of NSS Volunteers involved			No. of Beneficiaries/ Output
		Male	Female	Total	
Program on energy efficiency/ conservation (pl mention activity)	Deployment of super Efficient Appliances				
	Promoting use of solar Energy				
	Energy conservation- a people's Movement (led Bulb sale campaign)				
Programmes on Employment Generation Strategies/ career Counselling	Lecture; Skit & Presentation	25	10	35	160 Villagers Approx.
Skill Development Training	Lecture & Presentation	8	4	12	120 Villagers Approx.

17 Organization-Any Major activities at University level/District level if any

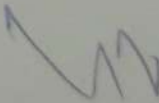
Name of Activity programmes	Venue of programme	Date/Period	Participants			Outcome or Beneficiaries
			Male	Female	Total	

18 One or two Best Practices or NSS Success Stories of NSS in College during the current Year if any –

1. Conducted **4 Health related events**. Two blood donation drives, Thalassemia checkup and One Cardiac Arrest Resuscitation training program.
2. Have had great response on the **Cardiac Arrest Resuscitation training** with more than 150 enthusiastic attendees including NSS volunteers in camp
3. Organized a **“GRAMOTSAV”** in adopted village during camp, sports & cultural program followed by dinner taken by 600 villagers plus students


NSS Programme Officer/s




Principal

International Day of Yog (IDY'16) Report

Thadomal Shahani Engineering College (TSEC) observed "International Day of Yog"(IDY'16) today on 21/06/2016. National Service Scheme unit of the college, NSS-TSEC has conducted two days Common Yog Protocol (CYP) Training during June 20-21, 2016 on the occasion of worldwide celebration of IDY. This was initiated as Mr. Sachit G. Nalaskar, Program Officer of NSS-TSEC, had attended "Regional Teachers Training Program in Yog" jointly organized by Kaivalyadham (Renowned Yoga Institute in Mumbai), University of Mumbai and Ministry of AYUSH, Govt. of India for the purpose of imparting Yog training to the students.

The Nine NSS student volunteers had contributed in organizing of this event voluntarily and actively participated in the Yog Training followed by the IDY'16 celebration along with 4 other students, 4 passed out students and 11 Teachers and office staff totaling to 28 participants.

The CYP training consisted various sessions including Lectures, PPT presentations, Yogic Relaxation and Yoga Asanas on both the days. The Program commenced traditionally by lighting a Diya by Honorable Principal, Dr. G.T. Thampi followed by his motivating inaugural speech on importance of practicing Yog for youth and a common people. Mr. Sachit Nalaskar made the participants aware about the origin of Yog; Research on Yog; Major Yog Institute in India; Physical and Psychological benefits of Yog on human body. He also conducted Yogic Relaxation and CYP training to the participants. Ms. Mudita Dixit also conducted a session of Yog practice beautifully, sharing her energy and enthusiasm. Ms. Natasha D'Souza, Volunteer & regular yog practitioner of Isha Foundation gave wonderful speech on the beautiful changes and amazing benefits she has been experiencing.

All the participants were delighted on performing the Yogic practices, Meditation, observing the inner self (breath & body) to begin the journey towards Human Consciousness. The conscious actions are very much required for the Global harmony, Peace and Realization of importance of sustainable development in the view of present environmental issues. The Joy, Complacence and the glowing faces of the participants showed the fulfillment of the intended purpose of this event. The participants gave a decent feedback for the 2 day event and admitted to have motivated to practice Yog regularly.

As many Teachers were on vacation leave, they could not attend the event, so on their request, one more "2 Days Yog Training Program" is being organized by NSS-TSEC with the help of Kaivalyadham during July 8-9, 2016.



SACHIT G. NALASKAR
Program Officer,
NSS-TSEC

Dr. G.T. Thampi
(Principal)
TSEC







Yog Training

On July 8th – 9th, 2016, Time: 10:00 – 16:00

A Report on “Yogic Joyride”

On successful conduction of Two Days CYP'16 Training during 20 – 21 June, 2016 on occasion of “International day of Yog” in TSEC, many teachers on vacation leave requested to conduct Yog training for them. Mr. Sachit Nalaskar, Program Officer, NSS-TSEC, took this initiative with the instant approval of Principal, TSEC. This “Yogic Joyride” included CYP'16 training as well as other training modules from Isha Foundation. Eighteen Teachers, 4 non-teaching staff and 4 students registered for it. This “Yogic Joyride” is beautifully conducted in TSEC with visible smile, composure and enthusiasm on the faces of all the participants.

Dr. Satish D. Pathak, General Surgeon, Yoga Consultant & Research Officer, educated all on amazing health benefits of yoga, also scientifically explained the modern research in the field. He made everyone aware of the importance of regular Yoga practice as well as the Yoga therapy available for many ailments.

Dr. Urvisha Ashar, Consultant Naturopath & Yog Expert, made us all overwhelmed in her session making us aware with the myths and realities of Diet & Nutrition with proving minute detailing of the arena with constant interaction, answering hordes of doubts & queries of all.

Mrs. Naina Daryanani, Operations Coordinator & Yog Trainer, Kaivalyadhama, conducted Yog exercise sessions on and beyond CYP with unbelievable and pleasant control over the minute movements of the participants during the practice. All the participants could perform the practices wholeheartedly only due to her effective teaching of doing Yog with complete awareness of one's Body, Mind and Breathes.

Mrs. Mudita Dixit, Asst. Prof., TSEC also conducted an eye opener and useful session on “Eye Yog” for the participants with usual vigor and enthusiasm. All took actively part into it and realized the importance of Eye-Yog and its effectiveness.

Mr. Mark Hopkins, Choreographer, dedicatedly conducted this surprise session called “Distress Activity” to shed the stress by dance. He made them aware of the importance of various dance forms for this purpose. He made them all shake their legs and find innovative moves; he truly contributed in making all to experience the “Joyride”. Everyone responded to him with excitement and willingness to dance. The success of this session was confirmed with the insistence of the participants to continue with the session throughout the remaining day. Also, this amazing surprise treat made one participant to learn and to dance successfully for the first time in life.

Ms. Natasha D'Souza, Singer & Actress, initiated and infused a spiritual interest with an amazingly motivating speech and also enlightenment to the participants about her life experiences and

achievements as how one could attain his or her highest goals in life in all the endeavors by practicing a right form of Yog.

Mr. Sachit Nalaskar, Asst. Prof., TSEC, has conducted, “Yogic Relaxation” sessions making everyone to practice a Power-Nap with ease, to shed all the stresses developed in routine and fast life-styles. He trained them all with a technique, help digest the food efficiently. He has also conducted some part of CYP’16 training and communicated through many lectures, presentations and videos of Yog making the participants aware about the origin of Yog; Research on Yog; Major Yog Institute in India; Physical and Psychological benefits of Yog on human body. He has organized and conducted this event singlehandedly, right from the concept design to the execution. He has effectively anchored, hosted and compered this Two Day Event, “Yogic Joyride” to and above the satisfaction levels of almost all the Yog Practitioners as they gave a very good feedback.

All the participants showed their happiness and gratefulness for the first time conduction of such event for the benefit of their personal wellbeing and requested to conduct such event on regular basis. They also suggested starting such yogic practices in the Institution on the daily basis, as it helps in an improvement at individual level resulting in the performance improvement of all in all the activities at the institution level. The beaming and radiant faces of all on the concluding day showed the effectiveness of the training.

All the NSS-TSEC committee members and volunteers responded with constant support and dedication in spite of their busy schedule of NSS activities even before the term starts. Without their involvement, this event would not have been possible to conduct with ease.

We are gratified with the Mother Nature for providing us with the most conducive ambience; Adiyogi for evolving with such an amazing technology for the betterment of all mankind. We also show our highest contentment towards Sadhguru J. V. of ‘Isha Foundation’ for his grace and for unbelievable tools for transformation devised and introduced by him.

We show our highest gratitude towards ‘Kaivalyadhama’, ‘Ministry of AYUSH’ and ‘University of Mumbai’ for providing with the truly experiential ‘CYP training’ and motivating us to conduct this program by providing with their expertise.

We, ‘NSS-TSEC’ are highly obliged towards our dear Principal, Dr. G.T. Thampi for constant help, guidance, finance and motivation by instantly approving to all the necessities. He also motivated all by proposing to conduct such events on continuous basis in the Institutions to benefit all.

We are grateful to all the personals directly and indirectly contributed to this event and those, if we forgot to mention anyone here.



Sachit G. Nalaskar
(P.O., NSS-TSEC)

Dr. G.T. Thampi
(Principal)











Date: 21st June, 2017

Report on International Day of Yog (IDY'17)

Thadomal Shahani Engineering College (TSEC) observed "International Day of Yog"(IDY'17) today on 21/06/2017. National Service Scheme unit of the college, NSS-TSEC has organized today's event. On 19 June 2017 at 8:08:20 PM IST, we received direction by the All India Council for Technical Education (AICTE) by E-mail to observe this day. We deputed Mr. Sachit G. Nalaskar, Program Officer of National Service Scheme (NSS) unit of our college (NSS-TSEC), who had undergone Yog training at various institutions and Training conducted by Ministry of AYUSH in the past. So, on a short notice, this day is celebrated by the Teachers on duty as well as by NSS Student Volunteers.

Although University Exams are completed on 15th June 2017, and during present vacation, the Five NSS student volunteers have contributed in organizing of this event voluntarily and actively participated in the Yog Training followed by the IDY'17 celebration along with the Faculty on duty.

The Common Yoga Protocol (CYP) training designed by Ministry of AYUSH as well as "UPA YOGA" Practices designed by the Isha Foundation for the purpose of IDY'17 Celebration are taught on the PowerPoint presentation and Videos to undertake the guided Yogic practices.

Brahmakumari Smita Didi from Prajapita Brahmakumari, Bandra Centre, who teach and follow Rajyoga Meditation, came and briefed about Rajyoga Meditation and conducted a session also on it. She elaborated the difference between the physical Yogic Practices and Meditation and their effect on Human Body, Mind and Health.

All the participants were delighted on observing the Yogic practices, Mediation, observing the inner self (breath & body) to begin the journey towards Human Consciousness. The conscious actions are very much required for the Global harmony, Peace and Realization of importance of sustainable development in the view of present environmental issues.

As many Teachers were on vacation leave and so at their native places, they could not attend the event, so on their request, many more such events for teaching the Yog is being organized by NSS-TSEC with the help of Kaivalyadham and Yoga Institute, Santacruz (E) during the current academic year 2017-18.



Mr. Sachit G. Nalaskar
(P.O., NSS)
TSEC

Dr. G.T. Thampi
(Principal)
TSEC









Report on International Day of Yog (IDY'18) Celebration in TSEC on 21/6/18

4th International Day of Yog (IDY'18) was celebrated in TSEC by taking efforts of the **NSS-TSEC** team, Strong support of the Principal, enthusiastic Teachers, Staff & Students.

CYP training was conducted by **Mr. Sachit Nalaskar**, Program Officer, NSS-TSEC, who is trained in CYP in **Kaivalyadhama** organized by the **University of Mumbai** in the first training of its kind organized with the help of the **Ministry of AYUSH** in the year 2016. Since then, IDY is celebrated in TSEC every year by conducting CYP training.

During the **first Session**, all the participants sincerely performed Yog practices and observed them within throughout. The experience of this session was apparent with visible smiles, composure and enthusiasm on the faces of all the participants.

Herbal concocted drink was served at the start. Then post first Session Refreshment was provided as A Lemon drink (non-stimulant/caffeine); Bananas & Carrot- green gram Salad to Rejuvenate for the Day; nourishment & Energy without feeling sleepy as per the Yogic culture.

Second Session was conducted by **BK Meena Sister**, who introduced & taught "**Rajyoga Meditation**" making participants aware of effect of Good thoughts and the way to connect our Pure Soul with the Supreme Soul, and that is Almighty.

All the Participants showed patience & enthusiasm during the IDY'18. They also showed their happiness and gratefulness for conducting such event on regular basis for the benefit of their personal wellbeing. They also suggested/requested conducting such Yog & wellbeing practices in the Institute on regular/daily basis as it helps in an individual's performance enhancement and improvement in all the activities in the Institute. The freshness and the blissful minds were shown through their bright faces suggesting the success of the event.

The Special guest, our Ex-Principal, **Prof. Krantikumar** was also present who agreed to come, attended & graced the occasion! Total number of participants was 22.

We, 'NSS-TSEC' are highly obliged towards our dear Principal, **Dr. G.T. Thampi** for constant help through his guidance, instant approvals, providing funds and motivation to all the necessities. He also motivated all by proposing to conduct such an event on continuous basis in the Institutions to benefit all.



SACHIT G. NALASKAR
Program Officer,

NSS-TSEC  

Encl: Few Glimpses of IDY'18 in TSEC in the attached pictures.











Report on International Day of Yog (IDY'19) Celebration in Thadomal Shahani Engineering College (TSEC)-21/6/19

5th International Day of Yog (IDY'19) was celebrated in TSEC by taking efforts of the **NSS-TSEC** team, Strong support of the Principal, enthusiastic Teachers, Staff & Students.

CYP training was conducted by **Mr. Sachit Nalaskar**, Program Officer, NSS-TSEC, who is trained in CYP in **Kaivalyadhama** organized by the **University of Mumbai** in the first training of its kind organized with the help of the **Ministry of AYUSH** in the year 2016. Since then, IDY is celebrated in TSEC every year by conducting CYP training.

During the **first Session**, all the participants sincerely performed Yog practices and observed them within throughout. The experience of this session was apparent with visible smiles, composure and enthusiasm on the faces of all the participants.

Second Session was conducted by **BK Meena Sister**, who introduced & taught "**Rajyoga Meditation**" making participants aware of effect of Good thoughts and the way to connect our Pure Soul with the Supreme Soul, and that is Almighty. She conducted Rajyog meditation.

Third Session was conducted by **Ms. Sonam** from "Art of Living" on "**Health & Happiness**". She taught and explained various Yog kriyas viz: Anulom-Vilom, Nadi-Shudhi, etc. She conducted guided meditation for all the participants.

Herbal concocted drink was served at the start. Then post first Session Refreshment was provided as A Lemon-Honey-Ginger drink (non-stimulant/caffeine); Bananas & Carrot- green gram Salad to Rejuvenate for the Day; nourishment & Energy without feeling sleepy as per the Yogic culture.

All the Participants showed patience & enthusiasm during the IDY'19. They also showed their happiness and gratefulness for conducting such event on regular basis for the benefit of their personal wellbeing. They also suggested/requested conducting such Yog & wellbeing practices in the Institute on regular/daily basis as it helps in an individual's performance enhancement and improvement in all the activities in the Institute. The freshness and the blissful minds were shown through their bright faces suggesting the success of the event. Total number of participants was 25.

We, 'NSS-TSEC' are highly obliged towards our dear Principal, **Dr. G.T. Thampi** for constant help through his guidance, instant approvals, providing funds and motivation to all the necessities. He also motivated all by proposing to conduct such an event on continuous basis in the Institutions to benefit all.



SACHIT G. NALASKAR
Program Officer,

NSS-TSEC 

Encl: Few Glimpses of IDY'19 in TSEC in the attached pictures.

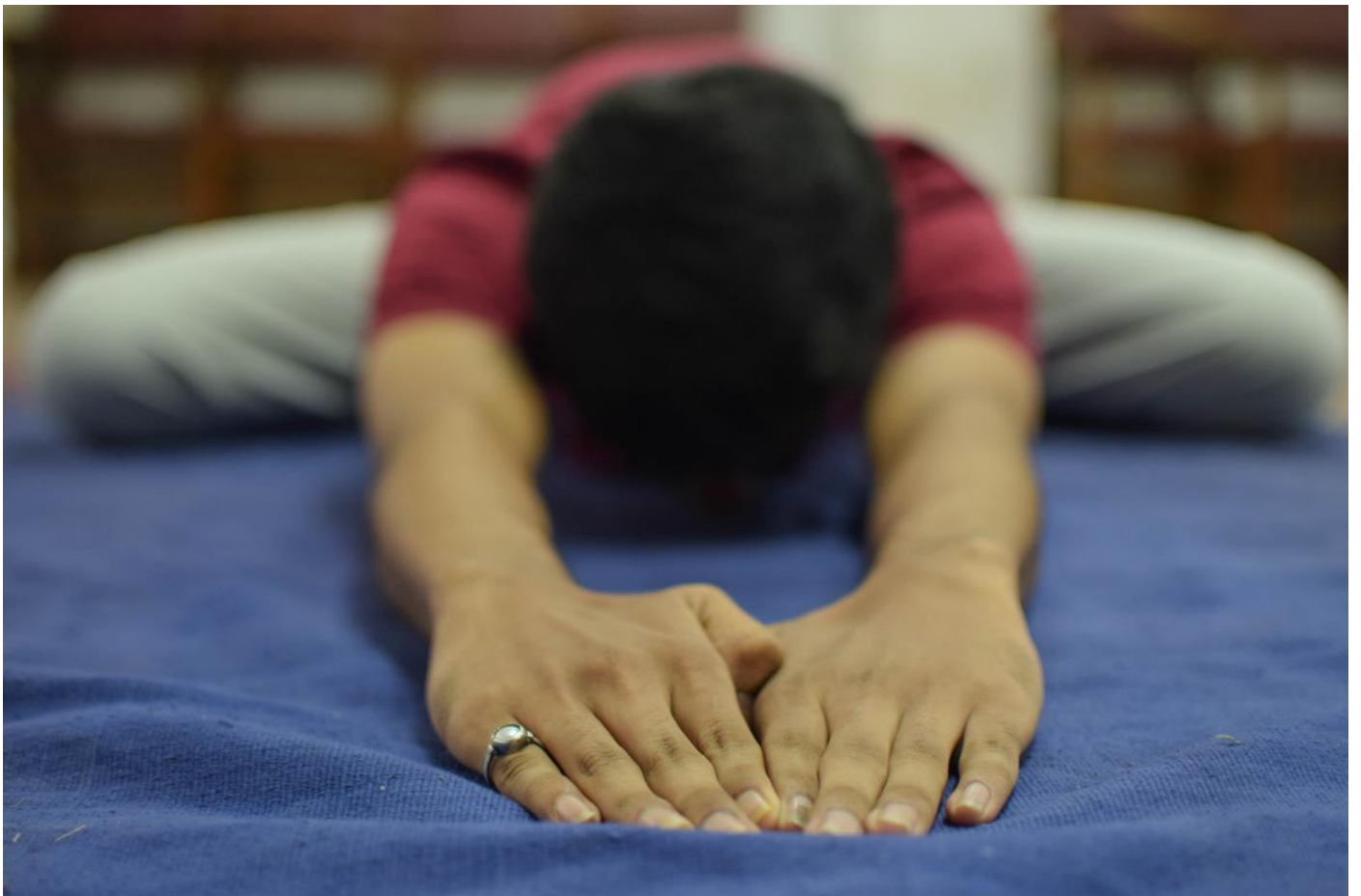












Report on International Day of Yoga (IDY'20)

NSS-TSEC presents Yoga for Health Webinar by ISHA Foundation-21/06/20

Due to the COVID Lockdown, **6th International Day of Yoga(IDY'20)** was celebrated in the form of an online webinar organized by **ISHA Foundation** and presented by the NSS-TSEC team with strong support of the Principal, enthusiastic Teachers & Students.

On the 19th and 20th of June, a yoga challenge was conducted on instagram by the NSS TSEC team where our respected Principal and the POs invited students to do their favourite yoga asana and post it on instagram. About 45 people participated in the same. The aim of this was to promote yoga in the younger generation. Volunteers and non volunteers both took part in this.

The Online Webinar was conducted on Youtube by ISHA Foundation for TSEC. The webinar was 90 minutes long, consisting of three yoga practice sessions and valuable insights about yoga from SADHGURU himself.

During the **first session**, training on **Yoga Namaskar** was shown and was sincerely performed by the participants. The experience of this session was refreshing with composure and enthusiasm among all the participants.

For the **second session**, a video clip of SADHGURU was shown practicing **Simha Kriya**, a kind of breathing exercise to boost immunity and respiratory health. It made participants aware about the importance of respiratory health and increasing immunity power which is needed to fight the current COVID Pandemic situation.

The **third session** was a 20 minutes **CHITSHAKTI Meditation**. An audio clip of SADHGURU was played giving instructions to perform a guided meditation. It was a relaxing session that helps the participants to manifest love, health, peace and success in their lives.

An insightful talk was also given by the Isha foundation volunteer regarding the maintenance of health and well being during the lockdown along with general instructions like being respectful towards the lockdown and protecting oneself from the illness.

All the participants showed patience and enthusiasm during the IDY'20 webinar. They also showed their happiness and gratitude for conducting such events on a regular basis for the benefit of their personal wellbeing in the feedback forms filled by them. They also suggested/requested conducting such Yoga and wellbeing practices in the institute on a regular basis as it helps in an individual's performance enhancement and improvement in all the activities in the Institute. The total number of participants were 86 of which 39 were volunteers in 2019-20 and 47 non volunteers including people from other colleges, faculties, etc.

We, **NSS-TSEC** are highly obliged towards our Principal, **Dr. G.T. Thampi** and our Program Officers **Mr. Sachit Nalaskar** and **Dr. Gauri Shukla** for constant help through their guidance, instant approvals, providing funds and motivation to all the necessities. They motivated all by proposing to conduct such an event on a continuous basis in the institution to benefit all.



SACHIT G. NALASKAR,
Program Officer,
NSS-TSEC



THADOMAL SHAHANI
TSEC
ENGINEERING COLLEGE

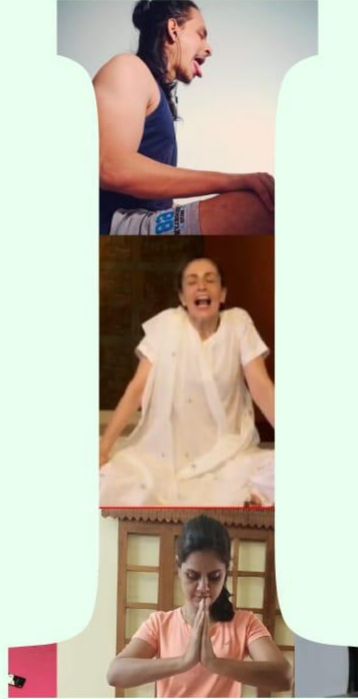
NSS-TSEC WISHES
YOU ALL
***HAPPY INTERNATIONAL
YOGA DAY***



#NssTsecCelebratesYogaDay#ConsciousLiving#NSS_TSEC



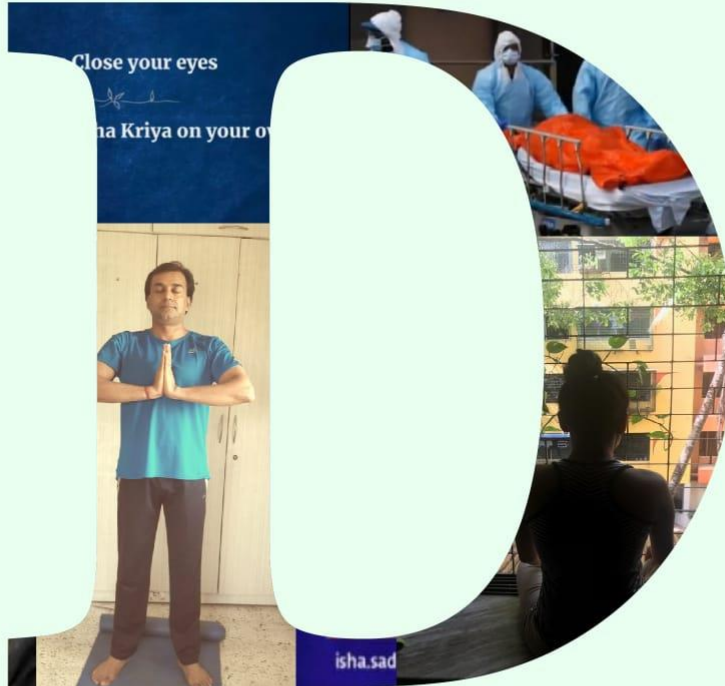
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ENGINEERING COLLEGE



#NssTsecCelebratesYogaDay#ConsciousLiving#NSS_TSEC



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#NssTsecCelebratesYogaDay#ConsciousLiving#NSS_TSEC



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TSEC
ENGINEERING COLLEGE



#NssTsecCelebratesYogaDay#ConsciousLiving#NSS_TSEC

Report on ISHA Yoga Program in Thadomal Shahani Engineering College (TSEC)-23/1/20

A Special Yoga Program for the Youth is conducted by **ISHA Foundation** with strong support of the Principal, enthusiastic Teachers & Students.

Two sets of programs conducted. First was for the Students and the second was for the Teachers of TSEC. During the **first session**, training on **Yoga Namaskar** was shown and was sincerely performed by the participants. The experience of this session was refreshing with composure and enthusiasm among all the participants.

The Seminar hall was house full during the students' session. Around 65 students could comfortably occupy with the *asanas* performing easily.

The Special Yoga module designed for the Youth by Sadhguru is conducted. It was a 20 minutes **CHITSHAKTI Meditation**. An audio clip of SADHGURU was played giving instructions to perform a guided meditation. It was a relaxing session that helps the participants to manifest love, health, peace and success in their lives.

During the **second session**, a video clip of SADHGURU was shown practicing **Simha Kriya**, a kind of breathing exercise to boost immunity and respiratory health. It made participants aware about the importance of respiratory health and increasing immunity power which is needed to fight the current COVID Pandemic situation.

An insightful talk was also given by the Isha foundation volunteer regarding the maintenance of health and wellbeing.

At the end, the bright smiles and enlightened faces were apparent on all the participants. It was a successful event with a very good feedback given by all the participants.



SACHIT G. NALASKAR,
Program Officer,
NSS-TSEC









THADOMAL SHAHANI ENGINEERING COLLEGE



Presents

‘आरोग्यम् धनसंपदा’ *Let us redefine Health*

Report on International Day of Yog (IDY'21)

NAMASKAR !

In the view of 7th International Day of Yog (IDY'21) following activities were conducted before and on 21st June 2021. The whole week was celebrated in TSEC by taking efforts of the NSS-TSEC team, Strong support of the Principal, enthusiastic Teachers, Staff & Students.

IDY is celebrated in TSEC every year by conducting various yog training conducted by various organisations from yoga and spirituality. TSEC has been associated with these organisations to give authentic yog training programs.

During the present Covid-19 pandemic, the yog training created a very much importance and the relevance to build physical immunity and the peace of mind among students, teachers and their families for the wellbeings. TSEC associated with various organizations like, Art of Livings, ISHA, Nisargopchar Kendra, Vadodara, Kaivalyadhama, etc. with the help of our regulatory body AICTE and Ministry of Youth & Sports, Ministry of Education, etc.

All the activities were conducted in order to create more awareness and hands on training on simple Yogic practices. More stress was given on the Kriyas necessary to keep general health, immunity boosting and preventive health to fight against respiratory viral infections.

1. 3 day “Free Health Workshop”

A three day “Free Health Workshop” conducted by “The Art of Living” during 16 – 18 June 2021 for the faculty of TSEC. Senior Teacher from The Art of Living has conducted the workshop. Simple Asanas, Pranayama and Guided Meditation were conducted. “Brilliant Breathing Technique” was also conducted.

28 faculty members had registered for this 3 day workshop.

2. “Immunity Boosting Webinar”

“Immunity Boosting Webinar” is conducted by Isha for the Students and the faculty (staff) of TSEC on 21st June 2021.

The Modules were specially designed by Sadhguru, founder of Isha Foundation. Mr. Manal Salesha, *Yoga-Veera* from Isha conducted the webinar. Support from NSS-TSEC students’ team, NSS Program Officers, Sachit Nalaskar & Dr Gauri Shukla coordinated the whole event.

Sashtanga; Simha Kriya; Makarasana & Chit Shakti guided meditation was conducted for the participants. All participants gave a very good feedback. 95% gave 4 to 5 points on a scale of 1 to 5.

Total 80 participants including staff & students attended the webinar, and also performed all the practices and meditation.

3. “QUIZ on Yoga”

“QUIZ on Yoga” conducted on 21st June 2021 for faculty & students of TSEC.

50 students has participated in the Quiz on Yoga and attained satisfactory marks.

3 Top scorers are declared among the participants.

4. “AAROGYAM DHANASAMPADA” *Let us redefine Health*

During this Yoga week celebration and for past few months, NSS-TSEC has initiated “AAROGYAM DHANASAMPADA” *Let us redefine Health* theme, under which all the needed information from our collaborated resources were emanated to help build general health and prepare all to fight against the Covid-19 infections. Information’s on healthy habits, immunity boosting medicinal herbs, updates on all Health related webinars happening, Medial practitioners Health consultations, Helplines, were shared.

During the Webinars conducted, all the Participants showed patience & enthusiasm during the sessions. They also showed their happiness and gratefulness for conducting such event on regular basis for the benefit of their personal wellbeing. They also suggested/requested conducting such Yog & wellbeing practices in the Institute on regular/daily basis as it helps in an individual’s performance enhancement and improvement in all the activities in the Institute. The freshness and the blissful minds were shown through their bright faces suggesting the success of the event.

The Following faculty of TSEC have initiated & coordinated all the above programs, who are trained in Yoga from respective Institutions.

A) Sachit Nalaskar, Asst. Prof. in Mechanical Engg., Program Officer, NSS.

He is trained in Upa Yoga & Shambhavi Maha Mudra from Isha Foundation and a regular practitioner; CYP trained from Kaivalyadhama. CYP training was conducted with the help of the Ministry of AYUSH in the year 2016. Since then, IDY is celebrated in TSEC every year.

B) Dr Gauri Shukla, Asst. Prof. in Biomedical Engg., Program Officer, NSS.

She is trained in Yoga School named, “Ambika Yoga Kutir” from Mumbai. She is a Regular Yog practitioner and supports all such events for the benefit of TSEC staff & Students.

It is proved in this times a very relevant activity of TSEC on Yog training being conducted since 2016 for the teachers and students of TSEC.

We, ‘NSS-TSEC’ are highly obliged towards our dear Principal, **Dr. G.T. Thampi** for constant help through his guidance, instant approvals, providing funds and motivation to all the necessities. He also motivated all by proposing to conduct such an event on continuous basis in the Institutions to benefit all.

Pranam!

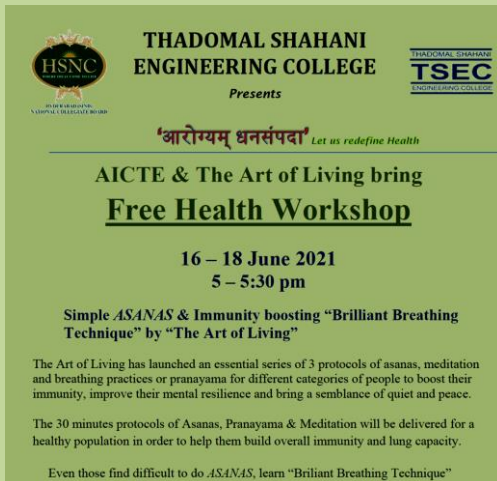


SACHIT G. NALASKAR
Program Officer,
On behalf of
NSS-TSEC



GLIMPSES OF THE EVENTS

1. Three day “Free Health Workshop” by THE ART OF LIVING



THADOMAL SHAHANI ENGINEERING COLLEGE
Presents

‘आरोग्यम् धनसंपदा’ *Let us redefine Health*

AICTE & The Art of Living bring
Free Health Workshop

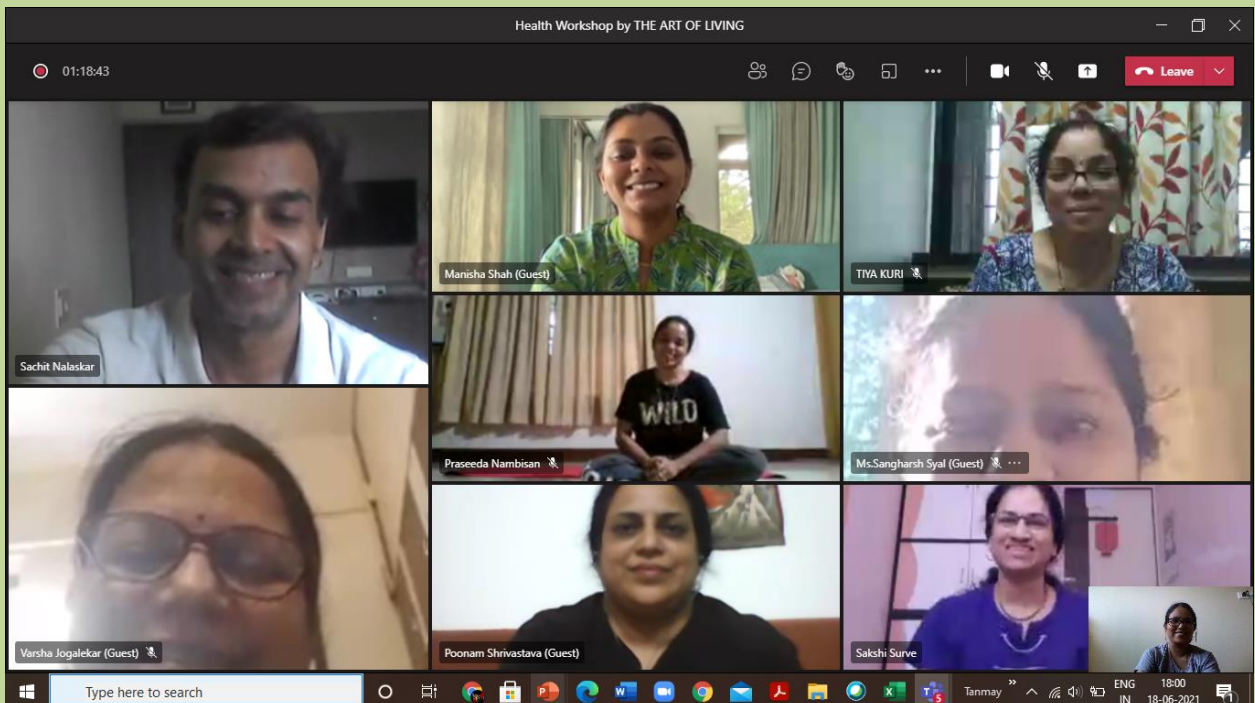
16 – 18 June 2021
5 – 5:30 pm

Simple *ASANAS* & Immunity boosting “Brilliant Breathing Technique” by “The Art of Living”

The Art of Living has launched an essential series of 3 protocols of asanas, meditation and breathing practices or pranayama for different categories of people to boost their immunity, improve their mental resilience and bring a semblance of quiet and peace.

The 30 minutes protocols of Asanas, Pranayama & Meditation will be delivered for a healthy population in order to help them build overall immunity and lung capacity.

Even those find difficult to do *ASANAS*, learn “Brilliant Breathing Technique”





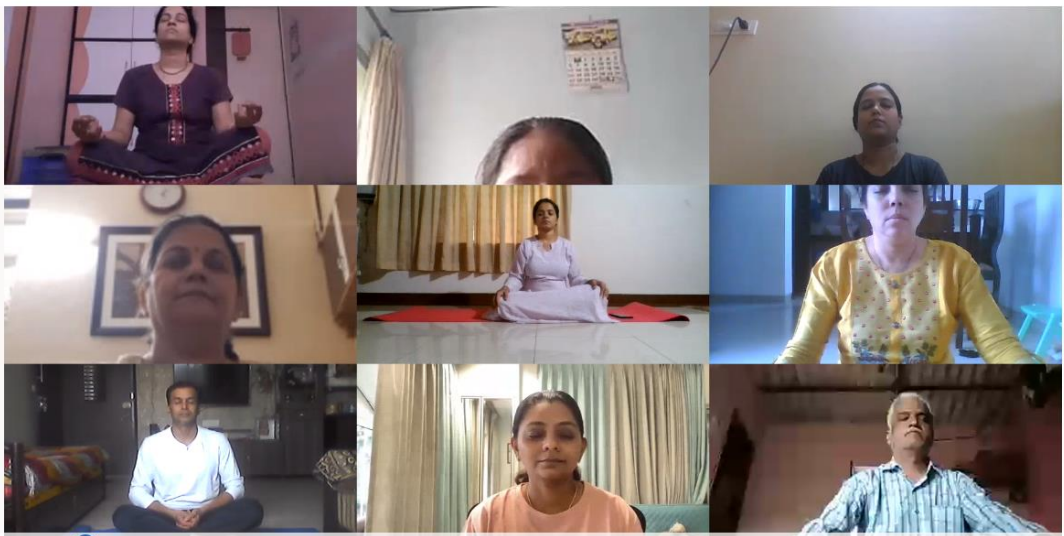
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YK

VJ

43:52



5:12

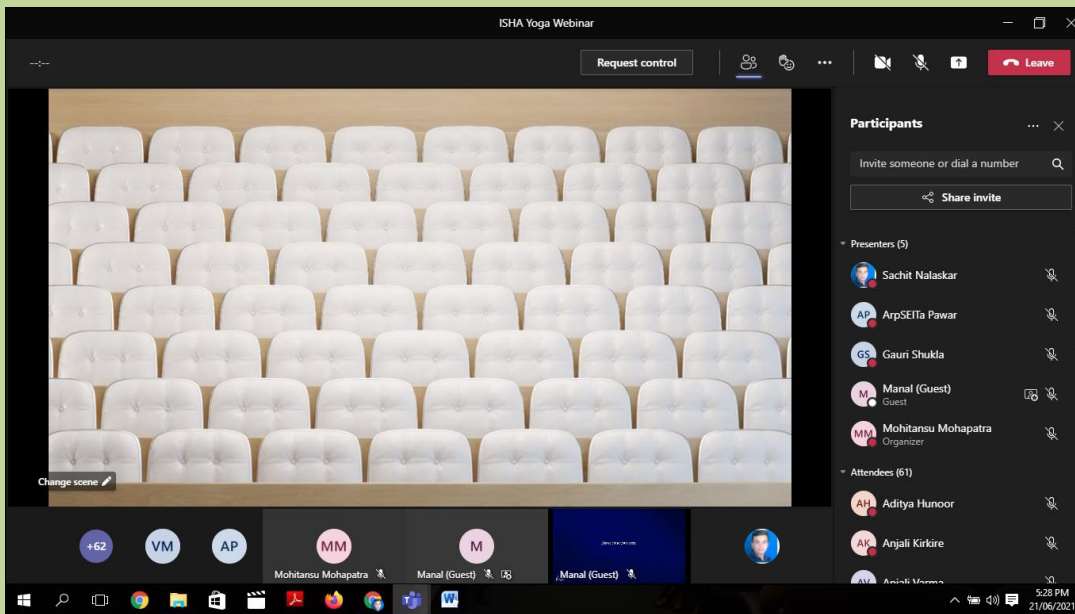


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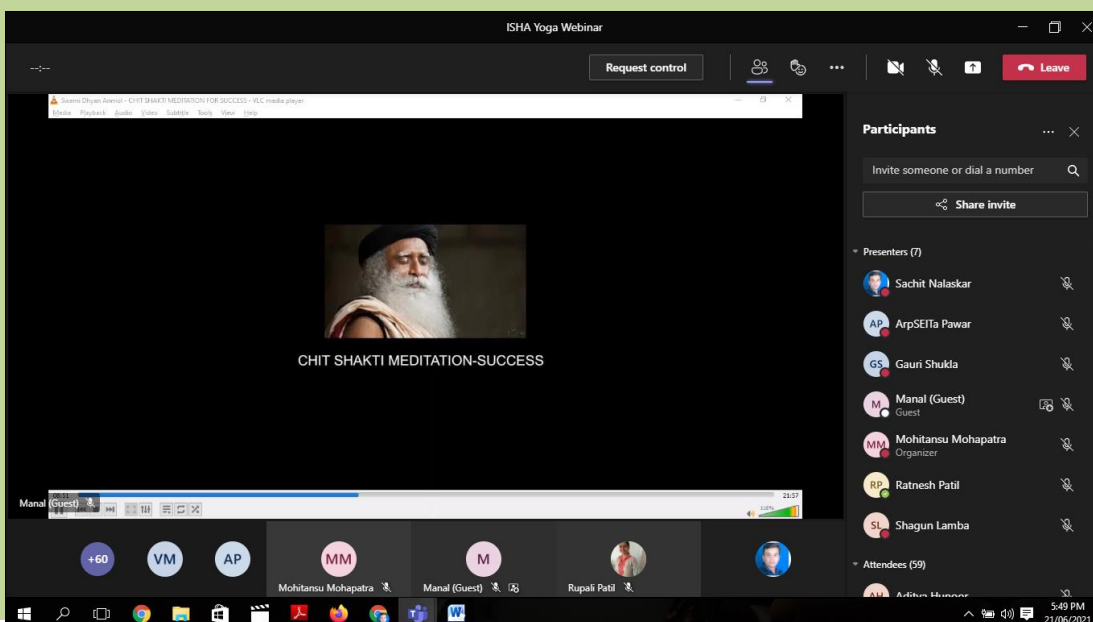
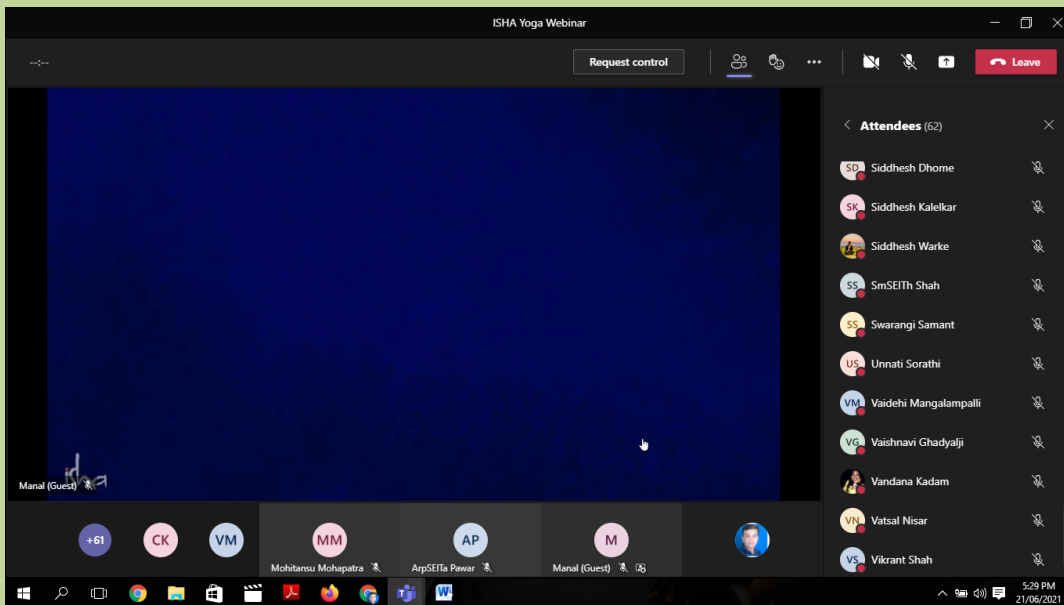
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41:15

2. "Immunity Boosting Webinar" by ISHA Foundation



Yoga Practices turning inward (keeping Cameras off) Total 66 Participants.



3. "AAROGYAM DHANASAMPADA" Let us redefine Health

THADOMAL SHAHANI ENGINEERING COLLEGE
Presents

'आरोग्यम् धनसंपदा' Let us redefine Health

Useful information for All

- 4 Immunity-Boosting Drinks to Help Prevent Viral Infections**
Boosting our immunity during the times of seasonal infections and coronavirus is most important. Here are some quick and super healthy immunity boosting drink recipes to strengthen your immune system.
<https://isha.sadhguru.org/in/en/blog/article/immunity-boosting-drinks-during-coronavirus>
- Exclusive collection of Info. on Covid-19 by Nisargopachar Kendra, Vinoba Ashram**
Wide info. collection from Inst. Like MoAYUSH to the Stanford Dept. of Medicine
www.tinyurl.com/nkcovidhomecare
- COVID-19 Anxiety – How to Deal With It?**
Sadhguru (Isha) shares a unique perspective on how to cope with coronavirus anxiety, explaining that anxiety is not a consequence of an outer situation but is being created unconsciously from within. He says this is the time to call forth all our intelligence and resilience, step up to this challenge, and come out on top.
<https://isha.sadhguru.org/in/en/wisdom/article/covid-19-anxiety-deal-with-it>

Coming soon
Health Series Webinars from "Isha" and "ART OF LIVING"



THADOMAL SHAHANI ENGINEERING COLLEGE
Presents

'आरोग्यम् धनसंपदा' Let us redefine Health

- कठिन परिस्थितियों में सकारात्मक बने रहें**
(How to remain positive in difficult times) a Webinar by Nisargopachar Kendra, Vinoba Ashram
Date: 02/06/2021 (Wednesday) Time: Evening 6.00 to 7:00 pm
<https://bit.ly/3ibhQ2l>
- Free Consultations to all on Covid treatment, vaccination & general prescription.** Helpline: 9426187837 Mon-Sat, 9 am - 6 pm
E-mail: info@nisargopachar.org Website: www.nisargopachar.org
- 2-Minute Breathing Practice to Boost Immunity**
Endorsed by Doctors, Harvard study
https://youtu.be/auyziN_xPbo

Coming soon
Health Series Webinars from "Isha" and "ART OF LIVING"



Pranam!

On behalf of
NSS-TSEC



Report Presented On
“TSEC ONLINE HACKATHON”



Information Technology Department

TSEC CodeStorm

Thadomal Shahani Engineering college

ONLINE HACKATHON

About Event:

Event Name:	72 Hour Online Hackathon
Date:	2 nd July – 5 th July, 2020
Mode of Conduction	Zoom App
Duration:	72 Hours
Number of Teams:	49
Mentor:	Dr. Madhuri Rao (H. O. D of I.T) Prof. Chetan Agarwal Prof. Sanober Sheikh
Challenge Tag:	#RaceToWin

Overview of TSEC CodeStorm

TSEC CodeStorm provides a proficient platform for coding and software development. Our mantra is “Opportunities don’t happen, you create them” and hence our objective as a team is to expand and surge opportunities for aspiring coders through our events and workshops. The committee collocate various events to monitor applicability of existing standards, codes and best practices. It offers technical expertise to other strategic initiatives. A Hackathon is the major event organized by us. It is a gathering where programmers collaboratively code in an extreme manner over a duration of time. The committee prompts coding interests by updating people with new technologies and their corporate applications based on trending technical platforms and frameworks every week. The committee organizes various workshops and coding competitions to make students take a step ahead towards a glowing career.

Overview of Online Hackathon

TSEC CodeStorm organized **the first ever Online Hackathon** for 72 hours via the Zoom App. We aim to provide an opportunity to all the young talented engineers amidst the pandemic and hence we came up with the idea of Innovation at Home. There were 49 teams competing against each other to provide the best possible solution for the following domains:

1. AI/ML
2. Block Chain
3. Open Research
4. Web/App Development

The prizes for the Winning, 1st Runner Up and 2nd Runner-Up teams were 10,000, 5,000 and 3,000 respectively along with AI/ML course from one of our sponsors Let's Upgrade and internships opportunity to young talented engineers from Career Amaze. Apart from these, we had another company named SITH on board which provided selected courses to our top innovative students.

Not only this, one of our mentor Mr. Jay Shah has approached two of our teams for future collaborations and opportunity and Mr. Sumeet Rohra has joined hands with a student from our Hackathon to join his company and work with him.

The Hackathon was managed and planned by 12 members and 3 teachers over a period of a month.

The Winning Teams are:

Winner → Topic: Parking Occupancy Detection and Reservation System in Private and Public Parking spaces using Deep Neural Networks
College: Vidyalankar Institute of Technology (VIT)
Team Members: Vignesh Dhuri, Afzal Khan, Yash Kamtekar

1st Runner-up → Topic: Smart Water Monitoring and Mentoring
College: Thadomal Shahani Engineering College
Team Members:

2nd Runner-up → Topic: Grace -The Health App
College:
Team Members: Rahul Gala,

Glimpses of the Event:



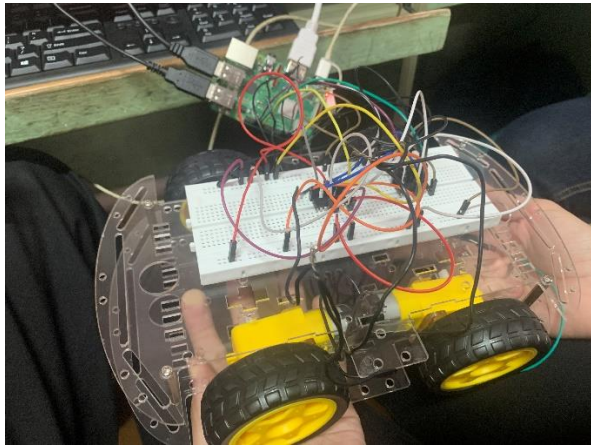
Faculty and Judges



Judging Round



Participants



Projects Presented by Participants

THE TEAM
TSEC CodeStorm Committee:

- Darshan Deshpande
- Heer Donda
- Moin Naik
- Yukta Sethi
- Madhu Damani
- Anushka Baghchandani
- Harsh Navani
- Vinayak Gurshaney
- Rachelle Nihalani
- Nidhi Hemrajani
- Aditya Methil
- Sahil Sedana

Report Created By:
Miss. Madhu Damani & Miss. Yukta Sethi
Information Technology Department

Report Presented On
“TSEC HACKATHON 2018”



Information Technology Department

TSEC CodeStorm
Thadomal Shahani Engineering college

TSEC HACKATHON-2018

About Event

Event Name:	TSEC Hackathon-2018
Date:	21 st - 22 nd Sept-2018
Venue:	TSEC Bandra, Mumbai-400050
Duration:	32 Hours
Number of Teams:	65-Teams
Mentor:	Dr. Madhuri Rao (H. O. D of I.T)
Winning Team Name:	Big-Oh
Problem Statement:	Blockchain & Social Cause
Challenge Tag:	#CodeToInnovate

Overview of TSEC CodeStorm

TSEC CodeStorm serves as a Campus Chapter of CodeChef and provides a proficient platform for coding and software development. The committee collocates various events to monitor applicability of existing standards, codes and best practices. It offers technical expertise to other strategic initiatives. The goal is to expand and surge opportunities for aspiring coders through our events and workshops. A Hackathon will be the major event organized by us. It is a gathering where programmers collaboratively code in an extreme manner over a duration of time. The committee prompts coding interests by updating people with new technologies and their corporate applications based on trending technical platforms and frameworks every week. The committee organizes various workshops and coding competitions to make students take a step ahead towards a glowing career.

Overview of TSEC Hackathon 2018

TSEC CodeStorm organized its first ever Hackathon at Thadomal Shahani Engineering College on 21st-22nd September 2018. The event was a grand success with a grand participation of over 250 students from 50 Colleges across Mumbai. The event was organized by the committee TSEC CodeStorm which serves as campus chapter of CodeChef, the committee comprises of 9 senior committee members and 11 junior committee members. The event was an innovation over the trending technology of Blockchain. The problem statements revolved around the technology of Blockchain or over a social cause.

The participants had to code for 32 hours on a go and develop a working and a sustainable software that fulfills the requirements expected by the allotted problem statements. The food and resting facilities were arranged by the committee inside the campus for the convince of participants. The event started with an orientation ceremony, which welcomed the participants and explained the process and the flow of the event. The goals and objectives of the event were mentioned and put forward. The participants had to present their work as a final presentation to the judges. There were 2 judges for each problem statement.

Problem Statement:

1.) Centralized Government Schemes Portal / Application-

Design a Website Portal or an Application for the government schemes provided by the Central Government as well as the State Government. The proposed system should provide a centralized platform for the probing all the schemes provided by the Central and State Government. Schemes related to Education and Learning, Health and Wellness, Electricity, Water and Local services, Money and Taxes, Jobs, Justice, Law and Grievances, Travel and Tourism, Business and Self-employed, Births, Deaths, Marriages and Child care, Pension and Benefits, Transport and Infrastructure, Citizenship, Visas & Passports, Agriculture, Rural and Environment, Science, IT and Communications.

2.) Engineering Students Career Assist System-

Design an Application/Website which will help students find colleges worldwide based on their budget,percentage, percentile and their scores of internationally identified tests(GRE,TOEFL etc..). All these factors should be taken into consideration to find out in which of the top most colleges they are eligible for . This will help save student's time and and will give all the relevant as well as best results.

3.) Digital Citizen Guidance-

Mobile Application or a Web Portal for the citizens to take precautionary measures in case of emergency situations like violence, accidents, natural calamity, terrorist attack, traffic congestion due to political rallies/ processions, festival gathering, preventive maintenance of basic supplies like water/ electricity, Volatile law & order situations. The Application should help the citizens and other civic agencies to act smart in these conditions so that inconvenience/miseries to the general public can be avoided/ minimized.

4.) Staff Appreciation Program-

Appreciation is a fundamental human need. Employees respond to appreciation expressed through recognition of their good work because it confirms their work is valued by others. When employees and their work are valued, their satisfaction and productivity rises, and they are motivated to maintain or improve their good work. Design an application by which the staff of the institution/university will know that they are making a meaningful contribution for the institute's success.

5.) **Remote-voting-**

Electronic voting (e-voting), which uses electronic systems to aid casting and counting votes in an election, has been a research topic of interest for the past few decades in cryptography. Remote-voting can be viewed as special case of secure multi-party computation . Develop a secure, transparent and decentralized application for remote voting system as a medium for voting for various purposes including views on different issues or political voting . Showcase your idea, and propose an e-voting protocol based on the blockchain technology.

Glimpses of the Event:









Committee Members :

Senior Committee members

- Dhanush mukhi
- Ritu Arya
- Jasleen Kaur
- Rahul Bakhtiani
- Aniket Naik
- Saahil Chawande
- Piyush Khanna
- Jayesh Lilani
- Varkha Chhatwani

Junior Committee Members

- Saurabh Singh
- Karan Nawani
- Anirudh poroorkara
- Nivedita Lodha
- Apratim Shukla
- Miloni Vasa
- Shivani Desai
- Tanay Ganeriwal
- Siddharth Lodha
- Hiral Paghadal
- Anezka Virani

Report Created By
Ms. Varkha Chhatwani
&
Mr. Saurabh Singh

Information Technology Department

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Report Presented On
“TECHNOVATION 2021”



Information Technology Department

TSEC CodeStorm

Thadomal Shahani Engineering College

Technovation'21

About the Event:

Event Name: Technovation

Date: Round 1: 20th March, 2021
Round 2: 27th March, 2021

Mode of Conduction: Zoom app

Duration: Round 1: 10:30 am – 02:00 pm
Round 2: 10:00 am – 03:00 pm

Number of Teams: 83

Mentors: Dr. Madhuri Rao (HOD of IT department)
Prof. Chetan Agarwal
Prof. Sanober Sheikh

Overview of TSEC CodeStorm

TSEC CodeStorm provides a proficient platform for coding and software development. Our mantra is “Opportunities don’t happen, you create them.” And hence our objective is to expand and surge opportunities for aspiring coders through our events and workshops. The committee collocates various events to monitor applicability of existing standards, codes and best practices. It offers technical expertise to other strategic initiatives. The committee prompts coding interests by updating people with new technologies and their corporate applications based on trending technical platforms and frameworks every week. The committee organizes various workshops and coding competitions to make students take a step ahead towards their glowing career.

Overview of Technovation'21

TSEC CodeStorm organized the biggest Virtual Project Exhibition of TSEC via the Zoom app. We aimed at providing an opportunity to all the talented and aspiring coders and software developers to put their knowledge into application, amidst the ongoing pandemic. Hence, we came up with an all-Mumbai level online project presentation to showcase the students' innovative and creative projects as well as provide them an opportunity to enhance their presentation skills.

There were 83 teams competing against each other to showcase their talent in the following domains:

- ML/AI
- Web/App/Game development
- Block Chain/ Big Data
- IOT, etc.

Out of the 83 teams, 13 teams were qualified for the final round.

The winners were given vouchers worth rupees 8000, as well as vouchers worth rupees 5000 given to the participants. Along with this, they were provided with internship opportunities from our sponsor, InternKhoj. Few of our other sponsors were CareerLabs, FamPay, CertifyMe, ScentBee Perfumes and Food Adda.

TheTechnovation event was managed and planned by 20 members and 3 teachers over a period of a month.

Winning Teams

Winner:

Domain: Block Chain

Project Name: Immunochain – A secure chain of immunisation and awareness

College: Thadomal Shahani Engineering College

Group Members: Girish Salunke, Janhavi Zarpkar, Oveshahmed Patel, Mohnish Nathani

1st Runner-Up:

Domain: ML/AI

Project Name: Modelling stock trading platforms leveraging predictive analysis using learning algorithms

College: Thadomal Shahani Engineering College

Group Members: Prithvi Punjabi, Priyanka Vaswani, Amogh Kubal

2nd Runner-Up:

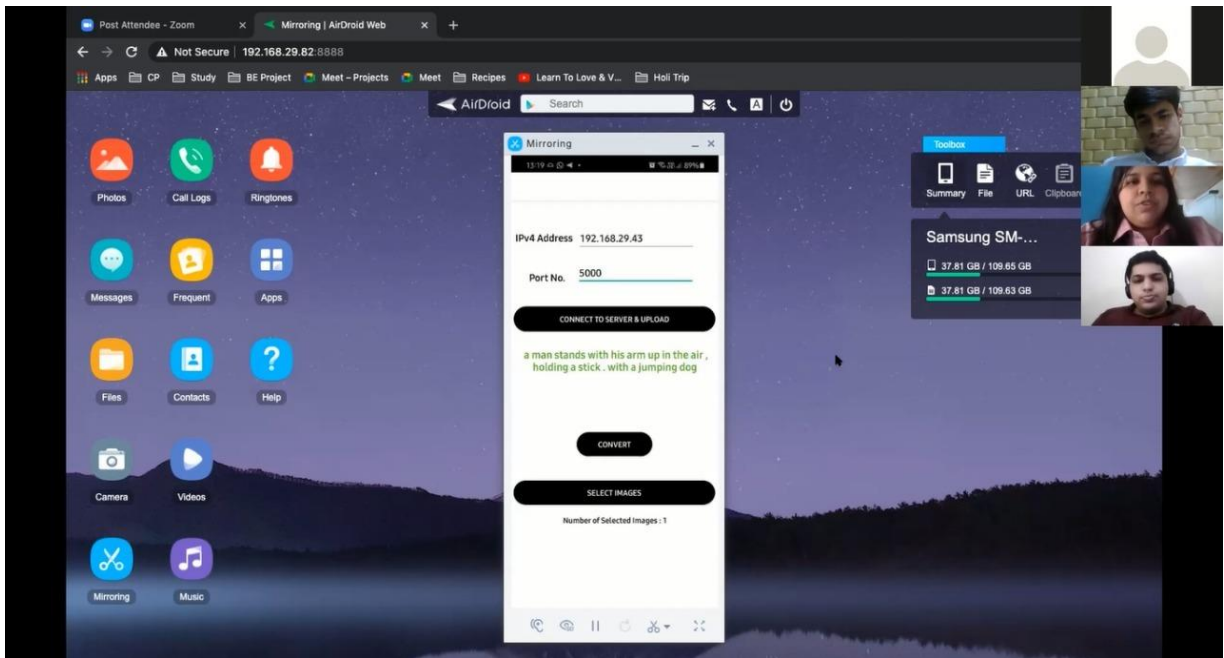
Domain: ML/AI

Project Name: Study of AI driven feature extraction technique for summarisation of video clips and data files

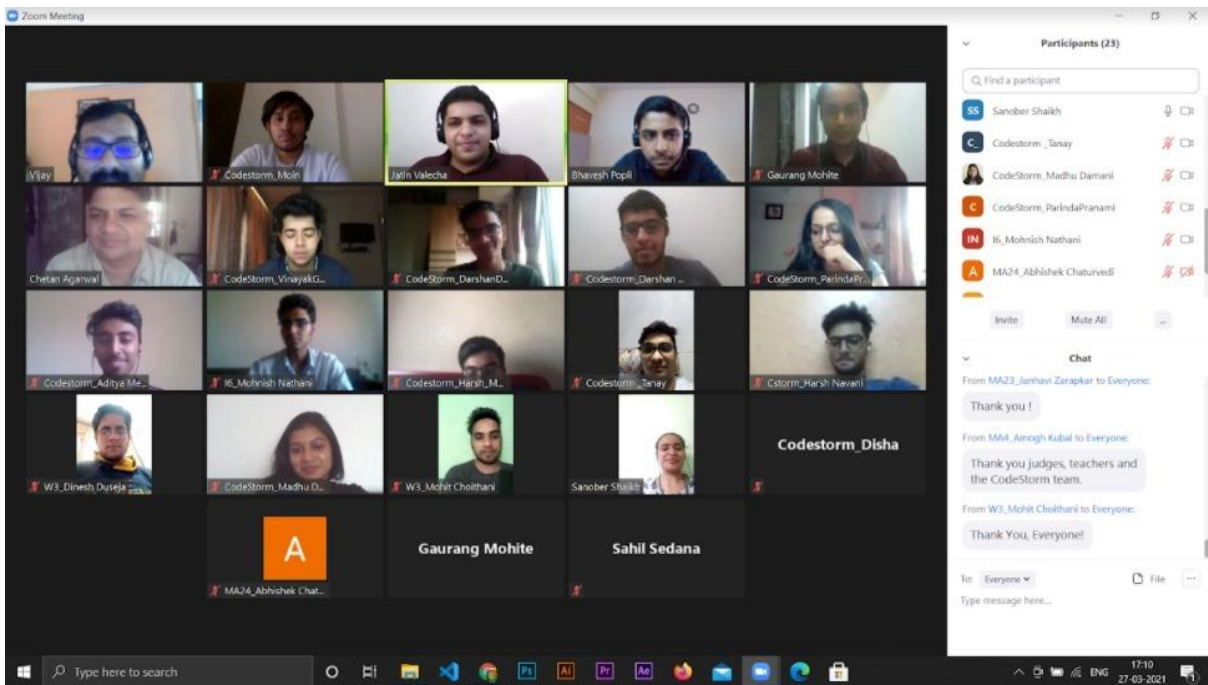
College: Thadomal Shahani Engineering College

Group Members: Oveshahmed Patel, Janhavi Zarpkar, Shloka Singh

Glimpses of the Event



Judging round



Team

Report Presented On
“TSEC TECHNOVATION 2020”



Information Technology Department

TSEC CodeStorm

Thadomal Shahani Engineering college

TECHNOVATION-2019

Event Name:	Technovation'20
Date:	2 nd March,2020
Venue:	TSEC Bandra, Mumbai-400050
Duration:	6 Hours (10am-4pm)
Number of Teams:	64
Mentor:	Dr. Madhuri Rao (H. O. D of I.T) Prof. Chetan Agarwal Prof. Sanober Sheikh
Challenge Tag:	#InnovationIsTechnology

Overview of TSEC CodeStorm

TSEC CodeStorm serves as a Campus Chapter of CodeChef and provides a proficient platform for coding and software development. The committee collocate various events to monitor applicability of existing standards, codes and best practices. It offers technical expertise to other strategic initiatives. The goal is to expand and surge opportunities for aspiring coders through our events and workshops. A Hackathon is the major event organized by us. It is a gathering where programmers collaboratively code in an extreme manner over a duration of time. The committee prompts coding interests by updating people with new technologies and their corporate applications based on trending technical platforms and frameworks every week. The committee organizes various workshops and coding competitions to make students take a step ahead towards a glowing career.

Overview of TECHNOVATION'20

TSEC CodeStorm organized **Technovation'20**, which is basically a “Technical Exhibition” where students from all over the city from different colleges and different years display their projects and the prime three projects bagged the cash prize. It was organized within the college premises. The winning team was awarded a cash prize of 2,000 whereas the 1st Runner-up and the 2nd Runner-up were awarded a cash prize of 1500 and 1000 respectively along with certificate of participation which was given to all participants. The event was organized by CodeStorm which comprises of 16 seniors committee members and 7 junior committee members.

The Winning Teams are:

Winner → Topic: Parking Occupancy Detection and Reservation System in Private and Public Parking spaces using Deep Neural Networks
College: Vidyalkar Institute of Technology (VIT)
Team Members: Vignesh Dhuri, Afzal Khan, Yash Kamtekar

1st Runner-up → Topic: Smart Water Monitoring and Mentoring
College: Thadomal Shahani Engineering College
Team Members:

2nd Runner-up → Topic: Grace -The Health App
College:
Team Members: Rahul Gala,

Glimpses of the Event:



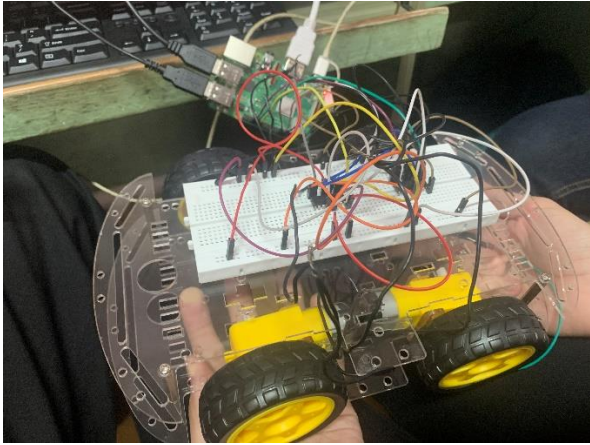
Faculty and Judges



Judging Round



Participants



Projects Presented by Participants



THE TEAM

TSEC CodeStorm Committee:

Senior Committee:

1. Kunal Israni
2. Ananya Arora
3. Sachi Bijlani
4. Dhyey Parikh
5. Harsh Harwani
6. Kushagra Shrivastava
7. Parth Mehta
8. Vinayak Mhatre
9. Kritika Makhija
10. Khushboo Galrani
11. Vaishnavi Udupa
12. Rachna Soundatti
13. Hariharan Pillai
14. Sarvesh Pande
15. Srishti Rajani
16. Dhruv Karve

Junior Committee:

1. Rachell Nihalani
2. Nidhi Hemrajani
3. Aditya Methil
4. Anushka Baghchandani
5. Madhu Damani
6. Darshan Deshpande
7. Harsh Navani

**Report Created By:
Miss. Madhu Damani**

Information Technology Department

*****_***_*****

Report Presented On
“Senior Committee Interview 2020”



Information Technology Department

TSEC CodeStorm

Thadomal Shahani Engineering College

Senior Committee Interview 2020

Event Name:	Senior Committee Interview 2020
Date:	29 th & 30 th April, 1 st , 2 nd & 4 th May, 2020
Venue:	-
Duration:	15 Hours
Number of Applicants:	30
Mentor:	Dr. Madhuri Rao (H. O. D of I.T)
Co-ordinators:	Prof. Sanober Shaikh Prof. Chetan Agarwal

Report Presented On
“TSEC HACKATHON 2019”



Information Technology Department

TSEC CodeStorm
Thadomal Shahani Engineering college

TSEC HACKATHON-2019

About Event

Event Name:	TSEC Hackathon-2019
Date:	20 th - 21 st Sept-2019
Venue:	TSEC Bandra, Mumbai-400050
Duration:	32 Hours
Number of Teams:	68-Teams
Mentor:	Dr. Madhuri Rao (H. O. D of I.T)
Winning Team Name:	Brainstormers
Problem Statement:	Blockchain & Social Cause
Challenge Tag:	#CodeToInnovate

Overview of TSEC CodeStorm

TSEC CodeStorm serves as a Campus Chapter of CodeChef and provides a proficient platform for coding and software development. The committee collocates various events to monitor applicability of existing standards, codes and best practices. It offers technical expertise to other strategic initiatives. The goal is to expand and surge opportunities for aspiring coders through our events and workshops. A Hackathon is the major event organized by us. It is a gathering where programmers collaboratively code in an extreme manner over a duration of time. The committee prompts coding interests by updating people with new technologies and their corporate applications based on trending technical platforms and frameworks every week. The committee organizes various workshops and coding competitions to make students take a step ahead towards a glowing career.

Overview of TSEC Hackathon 2019

TSEC CodeStorm organized Hackathon at Thadomal Shahani Engineering College for the second successive year on 20th -21st September 2019. The event was a grand success with a grand participation of over 210 students from 50 Colleges across Mumbai. The event was organized by the committee TSEC CodeStorm which serves as campus chapter of CodeChef, the committee comprises of 16 senior committee members and 7 junior committee members. The event was an innovation over the trending technology of Blockchain. The problem statements revolved around the technology of Blockchain or over a social cause.

The participants had to code for 32 hours on a go and develop a working and a sustainable software that fulfills the requirements expected by the allotted problem statements. The food and resting facilities were arranged by the committee inside the campus for the convenience of participants. The event started with an orientation ceremony, which welcomed the participants and explained the process and the flow of the event. The goals and objectives of the event were mentioned and put forward. The participants had to present their work as a final presentation to the judges. There were 4 panels of 5 judges each for Social Causes problem statements. There were 3 external judges for judging the projects based on BlockChain problem statements.

The Technical Team was allocated to help the participants regarding the frameworks, execution and any other technical issue.

There were 3 winning teams-

The Brainstormers, a team of 3, Mr. Pranay Bagrecha, Mr. Pranay Lobo, Mr. Sahil Gupta secured **1st rank in the “TSEC Hackathon-2019”** and received a cash price of **Rs. 20,000/-** and **Vouchers worth Rs. 5,000/- INR.**

The Logic View, a team of 3, Mr. Praveshnarayan Tiwari, Mr. Tarun Soni and Mr. Siddhant Kapadne secured **2nd rank** and got a cash price of **Rs. 12,000/-** and **Vouchers worth Rs. 3,000/-INR.**

The Hopeful Dreamers, a team of 3, Mr. Manas Zagade, Mr. Pratik Vaishya and Mr. Chiren Shah secured **3rd rank** and won a cash price of **Rs. 8,000/-** and **Vouchers worth Rs. 2,000/- INR.**

All the participants were provided with a participating certificate.

Problem Statements:

Blockchain:

As both nation and global marketplace is transient and undergoing several transformations to keep pace with the technological advancement. Abundant promising & challenging paradigms are conceptualized on a daily basis. These include social & governance practices, which is to be leap-frogged into next level orbit characterization speed, frugality and infallibility. Among other technological entrants, blockchain has also shown its brawn towards providing imaginative/creative solutions to business processes at large.

TSEC Hackathon is offering a platform to aspiring participants to showcase their competency in decomposing problem definition and offering solutions leveraging blockchain technologies.

In its sophomore stage, TSEC Hackathon 2019 opens the following problem domains in the realm of blockchain applications for your selection. Participants are expected to offer creative solution leveraging available information, communication & computational technologies.

Blockchain/Smart Contract based Solutions for

1. Government subsidies

The government initiates multiple subsidy schemes every year to benefit the citizens. The subsidised supplements, equipment, food ration etc. are filtered through various levels of government bodies before reaching the citizens. Due to this the subsidies reach the citizens in a tempered manner. Develop a solution that inculcates Blockchain for the above problem.

A fullproof system where there can't be any tampering with subsidies is not present.

2. HR Management

In any organization, Human Resource (HR) management is an essential task. HR personnel have to pull off chores that comprise of hiring new candidates, attendance management, promotions, etc. Transparency in such undertakings is quite superficial. Develop a Blockchain and Smart Contract based system to ensure transparency, security and proof of work.

3. Defence Procurement

Defense and National security are the most critical for Integrity of the nation. Defense data integrity and communication security are paramount and pivotal for National strategies. Defence procurement is the process through which authorities in the field of defence acquire the various goods, services or works they need in order to perform their duties and missions. The Blockchain in Defense guarantees that the information cannot be changed or altered without the consent of the parties involved in the exchange. Develop Blockchain based system upon the mentioned guidelines.

4. Infrastructure Spending by the Government

Infrastructure is the term for the basic physical systems of a business or nation like transportation, communication, sewage, water, and electric systems. Spending on Infrastructure tend to be high-cost investments and are vital to a country's economic development and prosperity. As an investment, infrastructure tends to be less volatile than some other asset classes and is sometimes sought as an investment. Develop a Blockchain and Smart Contract based system to ensure transparent, secure, trustworthy, and optimized spending on such contracts by the government.

5. Indian Railway Management of Operations

The Indian Railways are one of the largest employers in the world having over 1.50 million employees. Handling such a huge employee base manually is a difficult task. Develop a system to cover major needs of the Railways including a management system for employees and the management of the operations. Use block chain data structure for transparency in all operations.

Social Causes:

The contemporary world is faced with unequal developments of geographies and skewed distribution of wealth among global citizens. The unequal world is an antidote for social disequilibrium and turbulence which are pulling down the progress of society at large. The conscientious citizens and world community are thinking aloud to confront these problems at hand and offering solutions to minimize the social drift and suffering of less fortunate people. It is realized that pervasive and ubiquitous ICT shall leverage as a force multiplier / resource multiplier in our endeavor for contributing to social causes. We are offering problems which should be addressed in terms of technological solutions which are enlisted as under:

6. Charity Aggregator

Life is a privilege for some and struggle for some others. It is imperative that we open our hearts and minds to the people in need of financial support.

Build an application that would enable a user to identify his area of interest and allow him to donate towards a cause of their choice and help them understand how important it is to give back to the society we live in. It needs to be transparent where they are able to see exactly how their donations were utilized.

7. Natural Calamity Alert

Natural calamities can affect people of different regions at a time. Make an application which will be helpful to the victims and volunteers. The volunteers will have real-time and updated news on the potential natural disaster in a region. Safe locations officially declared by the government should also be shown along with capacity and how occupied they are. Commuters can be shown maps with safe routes to desired destinations, free from floods, and other such affected areas.

8. Application for Fighting Fake News

The internet has enabled a whole new way to share information due to which it can be difficult to tell whether the news is credible or not. Develop a solution to check, verify and distinguish fake news from legitimate news on text, video and photos. It should be also able to cite the source and check whether it is trustworthy or not.

9. Fire Station

Major Fires in our city has been rising at an alarming rate and we must be prepared at any moment to tackle such situations and reduce the effect of damages as much as possible.

Come up with the idea for a website or an app where they can display important information pertaining to the safety of the general public regarding major fires. It can also track areas where a fire hazard has occurred so that they can alert people, fire station, etc. and provide them the location.

10. Waste Collection System

Design a smart waste collection system that allows citizens to segregate the various types of solid waste they want to dispose and the municipal authorities to efficiently collect the same.

The system should have interfaces for Citizens and Garbage Collector.

Citizen should have an option to schedule a waste pickup request, to see past history, to display the amount, categories and snap of garbage.

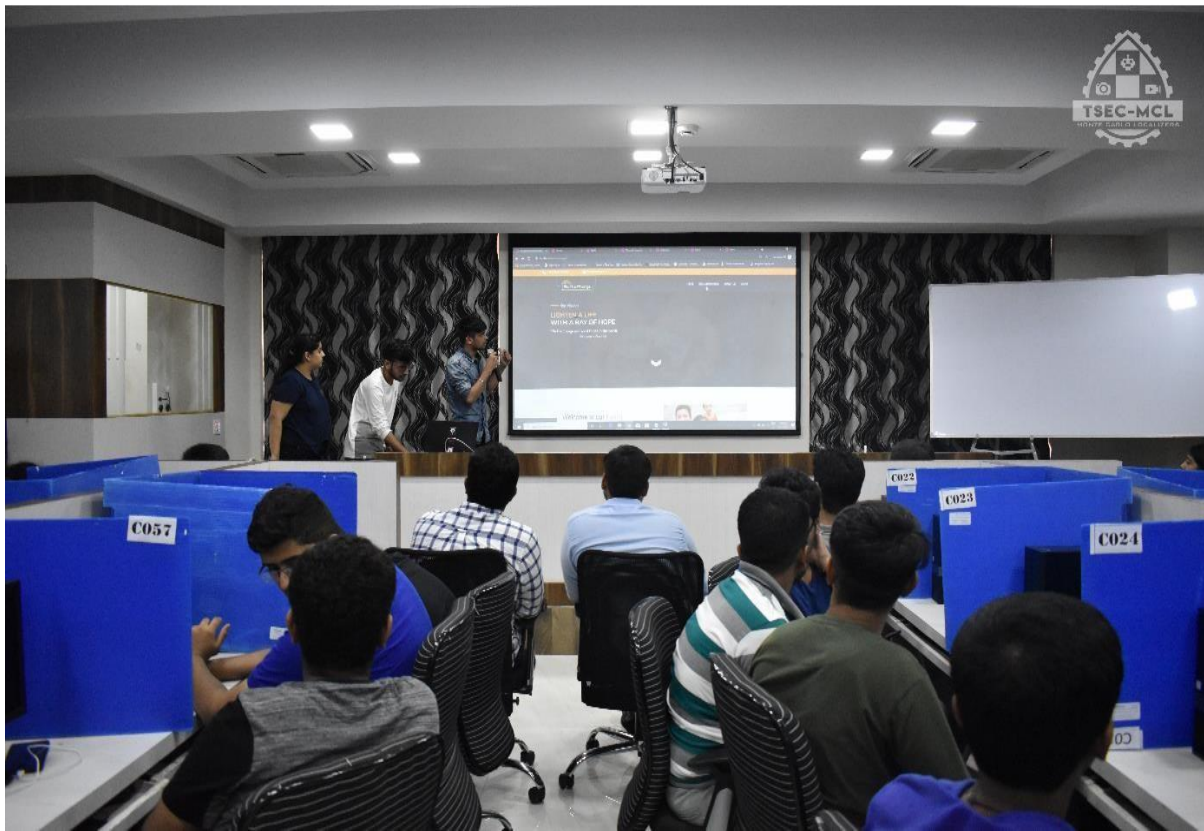
For Garbage collection you have to calculate the most optimal route for each truck as it is carrying a single type of garbage and must be GPS based, Garbage collector should be shown a list of all pickups to be made that day.

Types of Waste:

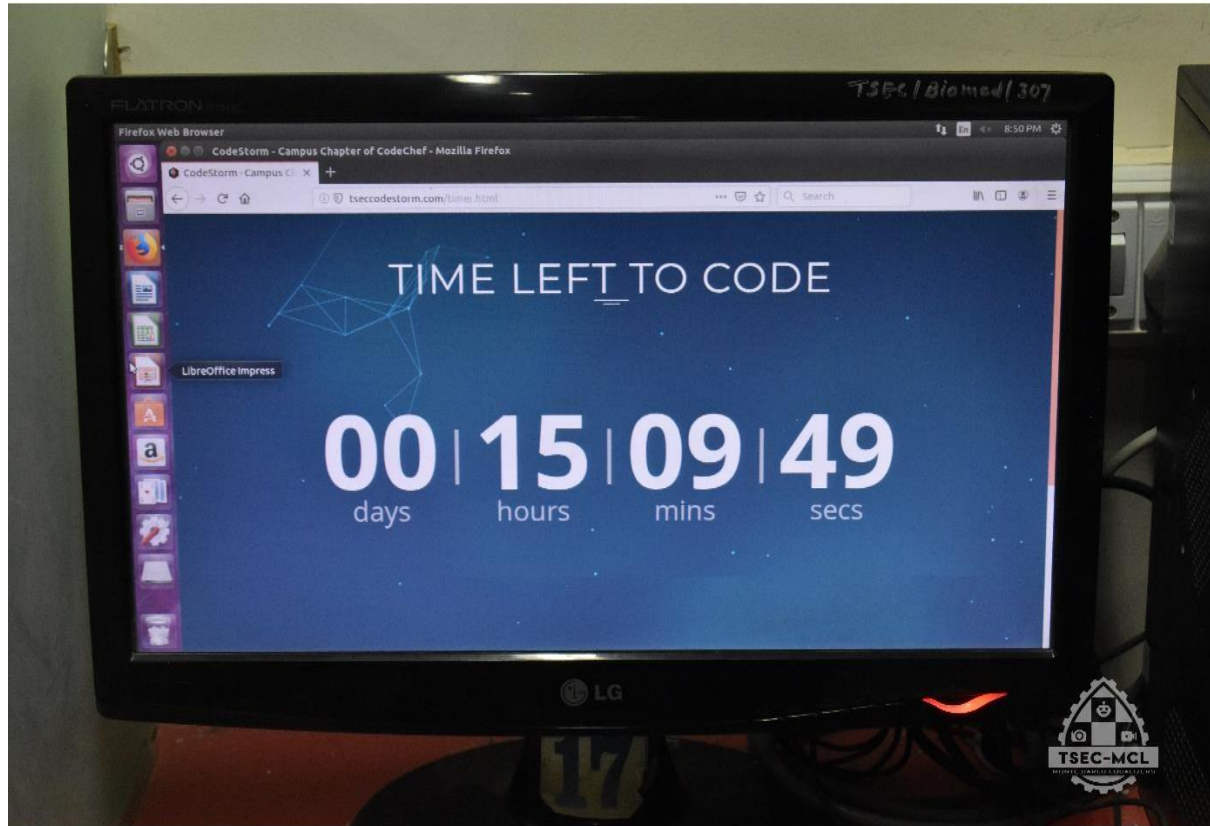
Organic waste, Recyclable waste, Toxic waste, Electronic waste, etc.

Glimpses of the Event:













A Report on
"Toycathon-2021"

THADOMAL SHAHANI
TSEC
ENGINEERING COLLEGE

Thadomal Shahani Engineering College,
Adv. Nari Gur Sahani Marg, TPS
III, Off Linking Road, Bandra west,
Mumbai-50



Date: 19-06-2021

Sub: Toycathon 2021 (Digital Edition) related

Dear Sir/Madam,

Greetings from the Ministry of Education's Innovation Cell.

We are glad to inform you that we have selected **Thadomal Shahani Engineering College, Mumbai** for hosting **Toycathon 2021 (Digital Edition)** that is going to be organized from 22nd-24th June 2021 and the winners will be declared on 26th June 2021.

The Digital Edition of Toycathon focuses on conceptualizing new and innovative games/apps based on Indian history, ethos and cardboard based toys using local materials which are economical, affordable, safe, environment friendly. The Toycathon is jointly organised by Ministry of Education's Innovation Cell, All India Council for Technical Education, Ministry of Women and Child Development, Ministry of Education, Ministry of Commerce and Industry Promotion, Ministry of Textile, Ministry of Information and Broadcasting, Ministry of MSME.

In this event, around 1300+ participants have confirmed their participation in the grand finale of Toycathon (Digital Edition). The honourable Prime Minister of India Sh. Narendra Modi has also consented to address the participants on 24th June 2021.

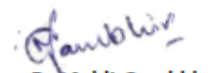
As a nodal center your responsibility is to coordinate with the participating teams assigned to you and make sure their presence in various sessions as per their schedule during the event.

We would also like to take this opportunity to remind you to follow all COVID related guidelines during the event and not to allow any team to enter your campus.

As a part of our commitment to respect everyone's Intellectual Rights you are requested not to keep or circulate any Toycathon related ideas unless until allowed by AICTE/MIC or its nominee.

For further communication, you may reach out to Mr Shubham Agrawal, Startup Fellow, +91-85598-16775.

Yours sincerely


Dr. Mohit Gambhir
Innovation Director

Registrar/Principal/Director
Thadomal Shahani Engineering College, Mumbai
Mumbai, Maharashtra

Copy for information to
Tasneem Mirza
Single Point of Contact for Toycathon
Thadomal Shahani Engineering College, Mumbai

TOYCATHON-2021

About Event

Event Name: The Grand Finale of “Toycathon- 2021”

Date 22nd - 24th June 2021

Venue TSEC (Digital Edition)

Duration 3 days

Number of teams 16

SPoC Prof. Tasneem Mirza

YouTube Inaugural session link “<https://youtu.be/XfEylO5qZ8g>”

EVENT Schedule

Tuesday, 22nd June 2021	DAY 1
8:00 AM – 8:45 AM	Local Inauguration by Nodal Center Inauguration of ‘Grand Finale of Toycathon-2021’ at Institute level Welcome Address by Chairman / President of the Institute. Speech by Guest of Honor at NC Speech by Chief Guest at NC,
9:00 AM to 10:00 AM	National Inauguration Address by Hon’ble Ministers, AICTE Officials and Representatives of Ministries., Detailed M2M to be shared. Inauguration Ends
10:00 AM	Toycathon-2021 Begins
11:00 AM – 1:00 AM PM	First Round of Mentoring Session. (5-10 minutes per team)
1:00 PM – 1:45 PM	Lunch Break
1:45 PM onwards	Coding / Toy Building continues
4:00 PM to 6:00 PM	First Round of Evaluation

Wednesday, 23rd June 2021	Day 2
8:30 AM onwards	Coding / Toy Building continues
11:00 AM - 1:00 PM	Second Round of Mentoring Session. (7-10 minutes per team)
1:00 PM to 1:45 PM	Lunch Break
1:45 PM onwards	Coding / Toy Building continues
4:00 PM - 6:00 PM	Second Round of Evaluation
Thursday, 24th June 2021	Day 3
8:30 AM onwards	Coding / Toy Building continues
9:30 AM – 10:50 AM	Third Round of Mentoring Session (Last & Final Round of mentoring)
11:00 AM- 12:15 PM	Address of Hon’ble PM and Interaction with student teams
12:15 PM – 1:00 PM	Coding continues
1:00 PM to 1:45 PM	Lunch Break
1:45 PM onwards	Coding / Toy Building continues
4.00 PM	Coding / Toy Building Stops
4.00 PM – 6:00 PM	Third Round of Evaluation (Last & Final Round of evaluation)
6:00 PM to 7:00 PM	Submission of results by panelists
26th June, Saturday	Day 4 Results Announcement

Team Details

Sr. No.	Team Name
1	The Sign Warriors
2	The treasure seekers
3	The Trendsetters
4	Tech Squad
5	Mystic Minds
6	#decodersz
7	UDAAN
8	Cypher
9	DREAM TEAM
10	Shashi Kant Singh
11	Swadesh
12	We are KVIANS
13	Mech Nerves
14	Project Monument Valley
15	□□□□□□□□(Kalpanik)
16	Golden Hawks

ABOUT TOYCATHON

Introduction

India, despite being a home of many globally popular games like Chess, Ludo, Snakes and Ladders, is not among leading developers and manufacturers of toys.

Under the 'AatmaNirbhar Bharat Abhiyan' initiated by our Hon'ble Prime Minister, Shri. Narendra Modi, Toycathon-2021 is conceived to challenge India's innovative minds to conceptualize novel Toy and Games based on Bharatiya civilization, history, culture, mythology and ethos.

Toycathon 2021 is an inter-ministerial initiative organized by Ministry of Education's Innovation Cell with support from All India Council for Technical Education, Ministry of Women and Child Development, Ministry of Commerce and Industry, Ministry of MSME, Ministry of Textiles and Ministry of Information and Broadcasting. Currently, India's toy market stands at around 1.5 Billion USD, which primarily is dominated by imported toys. Moreover, majority of these toys do not represent Indian heritage, civilization and value systems. Toycathon 2021 is a unique opportunity for Students, Teachers, Start-ups and Toy experts/professionals in India to submit their innovative toys/games concepts and win large number of prizes worth Rs. 50 lakhs.

FOCUS OF TOYCATHON 2021

- Toy/Games concepts based on Indian civilization, heritage, culture, mythology, history, ethos, technology, ethnicity, national heroes and important events .
- Inculcate positive behaviour and good values('Sanskaar').
- Toys for specially-abled/ Divyanga children.
- Boosting physical and mental fitness.
- Using eco-friendly, indigenous, non-hazardous or recycled material.
- Focus on promoting Vedic Mathematics.
- Encouraging national unity and respecting the cultural diversity.
- Supporting missions like Swatch Bharat, BetiBachaoBetiPadhao, Environment Conservation, Climate Change, Digital India, Skill India, Ek Bharat Shreshtha Bharat.
- Rediscovering/redesigning traditional Indian toys.
- Toys for pedagogy (for teaching students' difficult concepts in Math, Science, Languages, Social Sciences, etc.)
- Design should confine to basic toy guidelines issued by Govt. of India.

TSEC is one of the Nodel Center for the Toycathon 2021. Dr. G. T. Thampi, Principal, TSEC has taken initiative for the conduction of this event. The event was inaugurated on 22nd June at 8:00 am. The Chief Guest for the event was Mr. Suresh Mhatre, Member of National Board of Accreditation. Mr. Suresh Mhatre had worked with Tata Consultancy, headed the Management Consultancy Division in TCS - Bombay. His technical excellence won him the IIIIE Gold Medal for the 'Best Case Study'. He was the Chief Technical Architect for the National Rural Employment Guarantee Scheme. Currently, Suresh leads the IT Strategy team for e Governance, Ports and Academic Institutions.

We have published the advertisement in Times of India and Indian Express.

ADVERTORIAL



THADOMAL SHAHANI ENGINEERING COLLEGE (Bandra, Mumbai)

Official Nodal Centre for TOYCATHON - 2021

22nd - 24th June 2021



Under the 'AatmaNirbhar Bharat Abhiyan' initiated by our Hon'ble Prime Minister, Shri. Narendra Modi, Toycathon-2021 is conceived to challenge India's innovative minds to conceptualize novel Toy and Games based on Bharatiya civilization, history, culture, mythology and ethos. Toycathon 2021 is an inter-ministerial initiative organized by Ministry of Education's Innovation Cell with support from All India Council for Technical Education, Ministry of Women and Child Development, Ministry of Commerce and Industry, Ministry of MSME, Ministry of Textiles and Ministry of Information and Broadcasting.

Established in 1983, Thadomal Shahani Engineering College (TSEC), would like to seize the opportunity and committed to contribute to the vision of our Prime Minister in furthering cause of supply chain of Human capital for the gaming industry which are growing in an accelerated fashion. We as an engineering College find resonance with Toycathon as we developed competency in "programming for Games" for a period of 10 years. We as an institute find these hackathon kind of events formulated by AICTE offer lots of value proposition to our students by initiating them to solving real time problems. Hackathon emerges as the single most popular event in the campus, which is essentially creating a multiplier effect to engage students productively.



All our invited to attend the inaugural ceremony at  TSEC OFFICIAL

Mentors and Evaluators of this event are

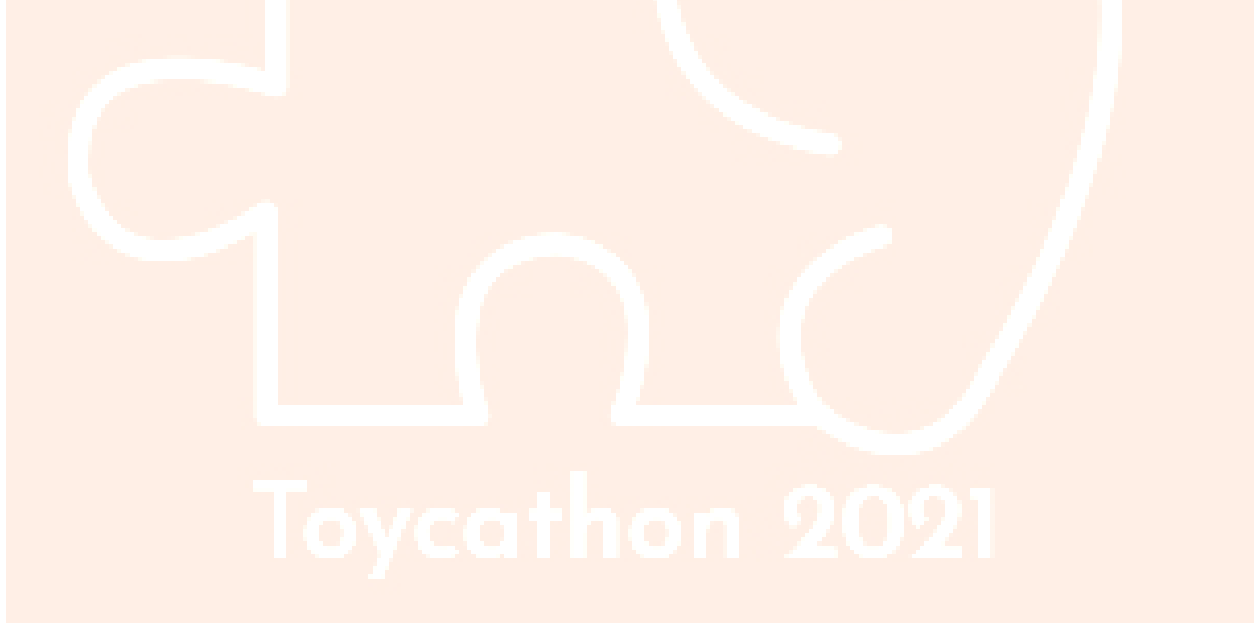
1. Sajeev Ram Arumugam
2. Sandeep Prabhu M
3. B L N Phaneendra Kumar
4. Athiraja A
5. Dr. Esther Hannah
6. Dr.S.Padma
7. Pankaj Sahu
8. Satya Prakash Rout
9. Dr.Bahubali Shiragapur

The 3 teams who won the Toycathon are allocated to our Nodel Center for Power Judging Round.

Team Id	Idea Id	Team Name
486	16576	Zeekers
716	15321	Aakaar - Geometric Toy puzzles for the Visually challenged
919	13790	Five 5M - 01

GLIMPSES OF THE EVENT







A GOVERNMENT OF INDIA INITIATIVE

THADOMAL SHAHANI ENGINEERING COLLEGE

Nodal centre for Grand Finale of

TOYCATHON 2021

A step towards making India Aatmanirbhar in the toy sector and also increasing the presence of Bhartiya toys in the global market

- SHRI NARENDRA MODI



**LIVE
Interaction**



24th June, 11:00am

Hon'ble Prime Minister Shri. Narendra Modi



<https://pmindiawebcast.nic.in/>

TOYCATHON 2021



THADOMAL SHAHANI
TSEC
ENGINEERING COLLEGE



A GOVERNMENT OF INDIA INITIATIVE

THADOMAL SHAHANI ENGINEERING COLLEGE
is proud to host the **DIGITAL EDITION** of

TOYCATHON 2021

As a NODAL CENTRE.



Grand Finale on

22nd - 24th June, 2021

Winners announcement on

26th June, 2021.



@tsec_official



@tsecedu



/TSEC



/TSEC Official



@mhrd_innovation



@aICTE_India



/mhrdInnovation



/mhrdInnovationcell

TOYCATHON 2021



HON'BLE PRIME MINISTER
TO INTERACT WITH FINALISTS OF
TOYCATHON GRAND FINALE



**"India Can Be Global
Toy Manufacturing Hub,
Make Eco-Friendly Toys"**

~ SHRI NARENDRA MODI



Join us Live on June 24th, 11:00 AM
<https://pmindiawebcast.nic.in/>

Microsoft Teams

Search

Activity Chat Teams Assignments Calendar Calls Files

46:39

People

Invite someone

Share invite

Currently in this meeting (13)

- Nabanita Mandal Organizer
- Darakshan Khan
- DS Dr Padma S Outside your organization
- G Gokulalakshmi (Guest) Guest
- HS HARSHINI. S (Guest) Guest
- JV jayabarathi V (Guest) Guest
- J Jayasree.P (Guest) Guest
- KS Kumkum Saxena
- MT Mahesh Titiya Outside your organization

Maahesh Titiya Dr Padma S Gokulalakshmi (Guest)

Inbox (13) - nabanita.mandal@th... Evaluation (Meeting) | Micro... Toycaathon Collaboration Tool Feedback from NC SPOC on Tea...

teams.microsoft.com/_/#/calling/19:fc3417bebd0f4a20b7706314c678412f@thread.tacv2/

Apps ieee paper download RNN Django Latex discrete Teams CG CN CSS National SPCC PHD Other bookmarks Reading list

Microsoft Teams

Search

Activity Chat Teams Assignments Calendar Calls Files

01:50:08

Team

- Team leader**
 - Muhammad Zaheen Khan
 - Mobile - 7726944665
 - Email: khanzaheen10@gmail.com
- Team members-**
 - Kalpraj Dhaybhai -
 - Mobile-8890803967
 - Email: Kalprajdhaybhai@gmail.com
 - Vihan Sharma
 - Mobile - 9784680209
 - Email: Vihaan.sharma0707@gmail.com
- Mentor**
 - Imran Khan,
 - Mobile - 9785914288
 - Email : ims.khan14@gmail.com
- School**
 - The Study, Udaipur

Zaheen Monument Valley (Guest) Project Monument Valley, Udaipur, Rajasthan

People

Invite someone

Share invite

Currently in this meeting (8)

- Nabanita Mandal Organizer
- DS Dr Padma S Outside your organization
- KS Kumkum Saxena
- MR Madhuri Rao
- MT Mahesh Titiya Outside your organization
- p phaneendra (Guest) Guest
- SR Satya Prakash Rout (Guest) Guest
- ZV Zaheen Monument Valley (Gue... Guest

Zaheen Monument Valley (Gue... Bala Vignesh

Others invited (2)

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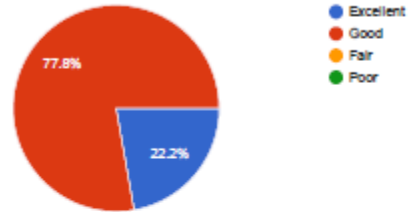
Dr Padma S Zaheen Monument Valley ... Maahesh Titiya

32°C 5:15 PM 6/22/2021

Feedback Given by Evaluators for our Nodel Center

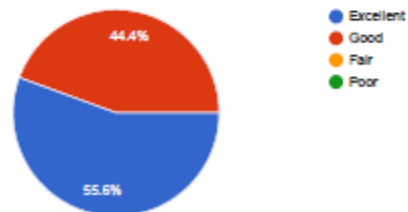
Please rate the quality of work done by the participants

9 responses



Please rate the enthusiasm of the participants

9 responses



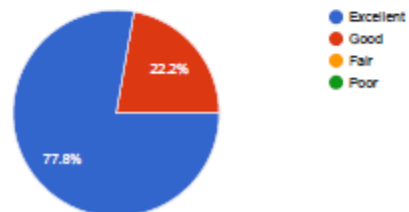
Please rate the support given by Nodal Center with respect to communication and technical support provided

9 responses



Please rate your overall experience

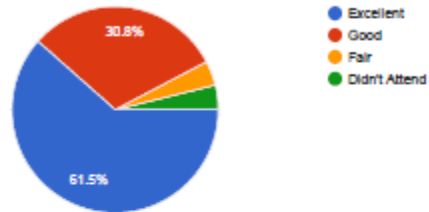
9 responses



Feedback given by Participants for our Nodal Center

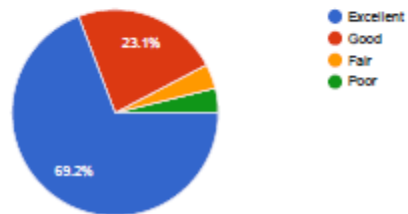
1. Rate the Inaugural function hosted by Nodal Centre

26 responses



2. Please rate the support given by Nodal Centre with respect to communication and technical support provided

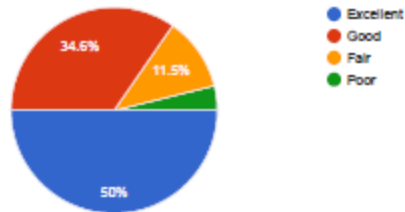
26 responses



Toycathon 2021

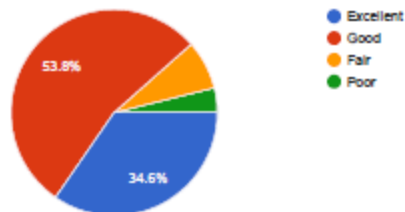
3. How would you rate mentoring sessions conducted during toycathon

26 responses



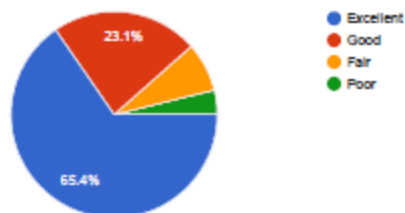
4. How would you rate evaluation sessions conducted during toycathon

26 responses



5. The overall support by the Nodal Centre

26 responses



Toycathon 2021

Organizing Team :

Sr. No	Name	Role
1	Prof. Tasneem Mirza	SPOC
2	Dr. Bhushan Jadhav	IT Co-ordinator
3	Prof. Darakhshan Khan	IT Co-ordinator
4	Prof. Monica Tolani	Social Media Co-ordinator
5	Prof. Snaober Shaikh	Social Media Co-ordinator
6	Dr. Mukesh Israni	Media Co-ordinator
7	Prof. Chetan Agarwal	Media Co-ordinator
8	Dr. Madhuri Rao	Advisory Committee / Volutneer
9	Dr. Mani Roja	Advisory Committee / Volunteer
10	Dr. Gopal Pardesi	Volunteer
11	Prof. Sakshi Surve	Volunteer
12	Dr. Seema Kolkur	Volunteer
13	Prof. SanjayKumar pandey	Volunteer
14	Prof. Kumkum Saxena	Volunteer
15	Dr. Arti Deshpande	Volunteer
16	Prof. Nabanita Mandal	Volunteer
17	Prof. Aejazul Khan	Volunteer



Toycathon 2021

TSEC Hacks 2019: Event Summary

Convener: Dr. G. T. Thampi (Principal)

Co-convener: Prof. Tasneem Mirza

Co-ordinator (Computers): Prof. Dr. Pallavi Halarankar

Co-ordinator (IT): Prof. Kumkum Saxena

TSEC Hacks was held for the first time on 6th - 7th February 2019.

Registration Statistics

Event saw 422 registrations in 122 teams from 22 colleges. Each team was asked to specify their top 3 domain choices in order of preference :

First choice:

E-commerce 42 teams - 34.42%

App Development for non-profits – 48 teams - 39.34%

ML in Healthcare 27 teams – 22.13%

Cybersecurity 4 teams – 3.27%

Gamification 1 team – 0.81%

Second choice:

E-commerce 39 teams - 31.96%

App Development for non-profits – 40 teams - 32.78%

ML in Healthcare 19 teams – 15.57%

Cybersecurity 8 teams – 6.55%

Gamification 16 teams – 13.11%

Third choice:

E-commerce 22 teams - 18%

App Development for non-profits – 20 teams - 16.39%

ML in Healthcare 27 teams – 22.1%

Cybersecurity 23 teams – 18.85%

Gamification 30 teams – 24.59%

50 Teams were shortlisted with 176 participants.

Initial Registration Sheet:

https://docs.google.com/spreadsheets/d/1kWtOU90hJ3T9Q_XUiQ4Qs9AlmxscbiGCfL5eJRk1Woc/edit?usp=sharing

Shortlisted Teams Sheet:

https://docs.google.com/spreadsheets/d/1YKolsQJ75v1DWMLsLQ1Iu0DuSUVdZaD5Hj0mHKHQ_1M/edit?usp=sharing

Problem Statement Domains

1. App Development for NGOs
Design a Mobile or a Web Application that uses the concept of Data Visualization and provides the Logistics Information for the smooth running of a Non-Governmental Organization. The NGO would be the one that directly benefits children by helping them in Education, Healthcare and Livelihood in remote villages and slums across different states of India.
2. Cybersecurity
Security is the main concern for data sharing due to its vulnerabilities and confidentiality. Create a portal for sharing of files and data between many clients (users), keeping in mind security concerns that such an application would have to take into account.
3. Ecommerce
Identity Management | Verification, Personalization and more
The expected solution: needs to have the presented ideas fleshed out as a working prototype. API's, Database design, Co-relation logic needs to be working. The UI focus will not be on the e-commerce platform but to demonstrate multiple interactions with a brand. An e-commerce business should be able to personalize their online site based on the data collected. Possibilities for personalization need to be demonstrated with a minimum of three examples
4. Gamification
The Engineering syllabus consists upto 6 new subjects every semester. The concept is "Serious learning, not so boring." The intent of this problem statement is to develop a smart and engaging solution to gamify learning experiences. Choice of engineering subject is left to you.
5. ML in Healthcare
Cancer is the second leading cause of death globally, and is responsible for an estimated 9.6 million deaths in 2018. Globally, about 1 in 6 deaths is due to cancer. Can we use open data available to gain insights to help with the human effort against cancer by aiding any of the given objectives?
 - Personal point of view: To predicting likelihood of incidence using a person's demographic / medical history
 - Insurance company point of view: To assess cancer risk and decide appropriate policy premium
 - Medical researchers point of view: To devise a method to infer the effectiveness of two different treatment plans

- Pharmaceutical companies point of view: To decide which research areas are promising in the coming decade

Judges

→ Mr. Kiran Choudhary

He is currently the Assistant Vice President of Reliance Industry in Ghansoli. He has 20+ years of experience in the domain of Information Technology and holds the degree of Instrumentation Engineering from Pune University. He enjoys working in new technologies like AI, IOT and 3D printing and is an expert in Machine Learning. Since last 2 years he is leading the Data Science Center of Excellence in Reliance industries Ltd., Navi Mumbai. His team is actively involved use of AI/ML in real life business problems.

→ Mr. Bharat Tolani

He is currently a Senior Consultant at Capgemini in Mumbai. He has over 6.5 years of experience in Data warehousing project with tools like Erwin, Teradata, Datastage, Oracle, Tableau, VBA. He has been part of Physical Data Modeler as a Technical Lead and is actively learning new technologies like AWS, Python, Jira Roles.

→ Mr. Gaurav Deshpande

He is currently the Regional Sales Leader in the domain of Cyber Security working all over the world at Tata Communications. He holds special interest for areas such as Information Security, IoT, Mobile Computing and Abstract Technologies. He has also worked in many big companies in the past such as EY, IBM, KPMG etc. Has a strong academic background in Business Administration, Information Security, Network Technology and IT Infrastructure Management.

→ Mr. Nihar Shah

He is the Chief Technology Officer at The MediaHolic Co. He is an experienced Chief Technical Officer & Head of Design and has a good history of working in the information technology, marketing and advertising industries. He is skilled in many languages and technologies such as Java, Spring, SQL, PHP, HTML5, CSS, Javascript, Mobile Applications, Web Design and many more. He completed his Bachelor of Engineering (BE) in Information Technology from Thadomal Shahani Engineering College.

He has co-founded the company Mediaholic and is currently its Chief Technical Officer. Previously, he has worked in Accenture in the domain of software development.

→ Mr. Manish Tamhankar

He is currently a Senior Architect in Capgemini. He has over 15 years of experience in software industry and over 6 years of experience as a Software architect. He is interested in Solution Architect opportunities in Emerging Technologies and is a Lead Architect in many domains such as IoT, Natural User Interface Technologies (NUI), Application Portfolio Rationalization etc. He has worked at various big companies like Larson & Turbo, Hexaware, Directi and many more.

Winners

1st place: ZeroDay - DJ Sanghavi College, App Development for NGOs

Aniket Shahane
Dharmik Parikh
Jashan Banga
Aniruddha Das

2nd place: Django and Mango - DJ Sanghavi College, App Development for NGOs

Harshil Jhaveri
Ananya Malik
Shreya Desai
Swapnil Kadakia

3rd place: Novice - Shree LR Tiwari College, ML in Healthcare

Siddharth Singh
Avinash Chourasiya

4th place: Brogrammers - Rajiv Gandhi Institute of Technology, E-commerce

Nitish Talekar
Saad Ghojaria
Aayush Singh
Deepanshu Sonparote

5th place: Bit by Bit - TSEC, Gamification

Hiba Hussain
Mahima Gupta
Surya Halwasia
Maitreyee Koli

Sponsors

- Adapty
Problem Statement Sponsors, Deliverables: Rs. 35,000/-
- HackerEarth
Innovation and Platform Partner, Deliverables: Use of HackerEarth platform, Tshirts for winning teams
- Cloudsploit
Deliverables: Winners receive 4 months of Plus service (worth \$440) while top 10 teams win 4 months of Basic Service
- Wolfram
Deliverables: Winners receive 4 months of Plus service (worth \$440) while top 10 teams win 4 months of Basic Service
- Hasura
Deliverables: The best app built using the Hasura GraphQL Engine will win a Rs.5000 gift coupon from Flipkart.
- La Pinoz Pizza
Deliverables: Rs. 7,000/-
- Safarnama Cafe
Deliverables: Rs. 1,000/-
- Melting Morsels
Deliverables: 10 food boxes for judges
- Hell Energy Drink
Deliverables: 240 cans of Hell Energy Drink

Committee Members

BE:

Anshul Rawat
Kaustubh Khavnekar
Neha Makhija
Twisha Saraiya

TE:

Ankita Kar
Deetipriya Sen
Krish Shah
Kunal Desai
Neelraj Patil

SE:

Akshay Galgali
Amol Sawant

Chinmay Patil
Harsh Kukreja
Ishita Kotian
Jay Shah
Kenil Shah
Malvika Rao
Rishabh Saini
Ritika Talreja
Rohit Methwani

Volunteers:

Akshay Zantye
Aditi Acharya
Dhyey Parikh
Khushboo Galrani
Khushi Bhuwania
Kushagra Shrivastava
Paras Bhavnani
Priyanka Sheth
Samay Nasta
Shivang Raikar
Suyog Ahuja

Participants Feedback:

<https://docs.google.com/spreadsheets/d/1zdRnPbVnqw6KQaei9Jf7Q7JrzB0PzIzj8qD-OzXuMYk/edit?usp=sharing>

TSEC HACKS 2020 Report

Date held: 05/02/2020 - 06/02/2020

Duration: 24 Hour Hackathon

Registration fee: Rs 210.16/- per team (all inclusive of taxes)

Registration statistics:

	Original	Shortlisted
Number of participants	776	189
Number of teams	211	59

Sponsors:

Organization Name	Task	Sponsorship amount
IIDE	Distributed pamphlets, 2 seminars	Rs 50,000 /-
IMFS	1 seminar	Rs 18,000 /-
IMS	2 seminars	Rs 8,000/-
HELL Energy	Publicity and banner in college	250 cans of energy drink
Dominos	Pizza stall in college	Rs 7,500 /-
Mojo-jojo	Publicity and banner in college	Free coconut water drink
Safarnama	Banner in college	Rs 1500 /-

Prize money (cash):

1st place - Rs 25,000/-

2nd place - Rs 15,000/-

3rd place - Rs 10,000/-

Winners:

- **1st place** - Syntax terror(TSEC)
- **2nd place** - Bits N Bytes (FCRCE)
- **3rd place** - Wanc Coders(AIKTC) **and** Reactive error(Rizvi)

Judges:

- Dr.V.K. Dhar, Senior Scientist, B.A.R.C
- Mr.Prateek Gupte, VP Product, Haptik
- Mr.Darshan Pania, Lead Android Engineer, CleverTap
- Mr.Bharat Tolani, Senior Consultant, Capgemini
- Dr. Irfan Siddaratam, HOD I.T., K.J. Somaiya
- Mr. Rohan Arora, Co-founder, Bloombench
- Mr.Shravan Agarwal, Co-founder, Rirev

Convener: Dr. G.T. Thampi

Co-conveners: Prof. Tasneem Mirza and Dr. Tanuja Sarode

Co-ordinators: Prof. Darakhshan Khan and Dr. Shilpa Verma

Problem Statements:

Machine Learning:

1) Movie Recommendation System.

The prototype should be able to solve the following problems.

a. Given a particular user_id, find the genre he is most likely will love watching.

b. Given a particular user_id, find the users he is most similar to

c. Given a particular movie_id, find the other movies which are the most similar to it.

Dataset: <https://grouplens.org/datasets/movielens/>

Use 'Recommended for education and development section' full dataset of 265 MB.

2) Topic Detection System

If-else is a popular topic in Computer Programming in the Java language.

1.Problem Statement: Create an application using NLP that detects whether a given statement is from If-Else chapter or not.

2.Dataset: Link for a few books is given below. Extract the data from the pdfs by scraping..

Example :

Input: "If - Else is a conditional statement."

Output: From the If-Else Chapter.

Input: "I will give a party if Sachin scores a century today."

Output: Not from the If-Else Chapter.

https://drive.google.com/drive/u/0/folders/1ScmXLB_pMKylTIQVYzcbdy4yMNM5hoXM

You can use this link to find other books - <https://libgen.is/>

Blockchain:

1) Blockchain based E-Voting system

Currently, voting in India is done using an Electronic Voting Machine (EVM), which has several problems, namely time-consuming nature, needs a human resource for counting votes/managing, can be tampered with, etc.

A Blockchain-based e-voting system can not only make the whole voting procedure, secured and tamperproof but also allows voters to vote from their smart devices, thus reducing the time consumed.

Counting votes would also be easier and will be subject to fewer inaccuracies and more transparency.

2) Blockchain in Healthcare

Healthcare is an industry where the ability to access information or any omission in a patient's record could be the difference between life and death.

Maintaining patients' previous records is an integral part of the Healthcare Industry. The current scenario puts the onus on the patients to retain physical copies of their medical history which pose inherent challenges like portability and accessibility.

A blockchain-based solution is required that allows patients to add their medical records to the blockchain securely.

This information should be encrypted and only accessible by authorized personnel, which is allowed by the patient.

Such a tamper-proof and secured system would easily bypass the drawbacks of the current paradigm, without sacrificing functionality.

Web/Android App

1) Ecommerce

According to [a recent report by Accenture](#), 91% of consumers are more likely to buy from companies who remember them and provide relevant offers. Further, 83% of them are also willing to share their data in exchange for a personalised experience.

Personalisation can change the current scenario in the Ecommerce Industry.

Make a personalised Ecommerce Website of your choice.

Suggestions :

1)The website should be able to track customers purchases and social media accounts and make a profile out of it.

2)Using this profile:

1. Personalised Home Page can be created; for example, a fitness enthusiast can be automatically redirected to the sports section. It could also have a 'pick up where you left off' section for incomplete orders.
2. Recommendations can be made based on the customers browsing history and purchases/inventory.
3. Further geotargeting can be used to make campaigns based on the user's location.
4. Unique campaigns can be made for the customer during special occasions, for example - 10% discount on cakes on birthdays.
5. Exit-intent campaigns can be used to encourage customers to complete transactions.

2) Social Cause

The Apprentice Project

Brief :

The Apprentice Project (TAP) team (alumni from IIM, TFI, and YIF) aims to build life skills in low-income kids by placing selected high-skilled volunteers in under-resourced schools for one year.

Currently, TAP works with 2500 students across 20+ schools with 200 facilitators.

Every Saturday for three hours the volunteers/facilitators mentor and teach in one of the following verticals based on their skills: Drama, Dance, Music, Public Speaking, Ultimate Frisbee, Electronics & Coding and Visual Arts.

Problem Statement:

1) Selection

The primary job of the TAP team is to select 250 facilitators from 2500 applications; for this, they currently use manual and excel based methods for sending emails and keeping information about the volunteer.

Create a volunteer management solution which can help the TAP team select the facilitators from the three-stage process so that all the emails are automated, and the serial numbers are generated automatically, etc.

The solution should make it easier for one person to manage everything, similar to CRM and ERP software.

2) Operation

For TAP's Operations team create a solution which can automate the communication with facilitators & provide a dashboard to the admin for facilitator management.

Currently, they use Google forms & sheets to collect data from facilitators, and admin staff manually do everything, including sending out Whatsapp messages.

Resources :

Refer "Selections" and "Operations" from TAP Processes PDF

https://drive.google.com/file/d/1-GqtA6AeHPtCKHWdNnxk63_P578SP06j/view

PS: This problem statement requires WhatsApp integration. Please attempt to utilize the relevant API queries.

Photos:



The poster features a central illustration of three people working together on a large screen, surrounded by gears and a crane. The background is a light purple gradient. At the top right, there are three logos: HSNC (Haryana State Nodal Council), Thadomal Shahani TSEC Engineering College, and TSEC CodeCell. The main title 'TSEC Hacks' is prominently displayed in the center. Below the title, the event details are listed: 'Hackathon on 5th & 6th February' and 'Registrations open till 27th January'. Contact information for Rishab Saini and Ritika Talreja is provided. At the bottom, the convener and coordinators are listed, along with social media and website links.

HSNC
HARYANA STATE NODAL COUNCIL

THADOMAL SHAHANI
TSEC
ENGINEERING COLLEGE

TSEC
CodeCell

TSEC Codecell Presents
TSEC
Hacks

 Hackathon on 5th & 6th February.
 Registrations open till 27th January.

Contact:
Rishab Saini: 98204 87592
Ritika Talreja: 97699 62696

 **Cash Prizes upto ₹50,000 !**

CONVENER
Dr. G. T. Thampi

CO-ORDINATORS
Prof. Shilpa Verma

CO-CONVENER
Dr. Tanuja Sarode

CO-CONVENER
Prof. Tasneem Mirza

CO-ORDINATORS
Prof. Darakhshan Khan

 tseccodecell  Tsec Codecell  tseccodecell.com







TSEC Hacks 2021 Report

Website : <http://www.tseccodecell.com/tsec-hacks/>

TSEC CodeCell, under the able guidance of Prof. Tasneem Mirza, hosted its annual flagship event **TSEC Hacks**, a **40 hour Online Hackathon**, that was conducted from the 26th of March to the 28th of March, 2021. The aim of this competition was to nurture innovation, motivate the participants to code, and foster healthy competition among the participants. The event had participants from different colleges, different streams and different undergraduate levels.

The 40 hour Hackathon was conducted as follows:

- **Day 1 (26th March)** - The Opening Ceremony began at 5 pm followed by the Problem Statement Explanation. The Coding Period for the participants began at 7 pm.
- **Day 2 (27th March)** - The Mentoring Sessions commenced at 10 am and went on till 8:30 pm where the students received guidance from the mentors as to how to improve upon their projects.
- **Day 3 (28th March)** - The Coding Round ended at 11 am, subsequently followed by the Phase 1 of judging. Phase 2 of Judging commenced at 3 pm, and after deliberation by the judges, the winners were announced at the Closing Ceremony.

The Hackathon being an online event was conducted on numerous platforms, particularly WhatsApp, Zoom and Discord. The teams consisted of 2-4 members, with each team having to pay a registration fee of ₹100 after getting shortlisted. The hackathon saw an overwhelming response with a total of 138 teams, consisting of aspiring students from 43 colleges, registering for the event. After much consideration and discussion, out of the 138 teams, 63 teams were shortlisted to compete in the hackathon.

The Publicity for the event was done on CodeCell social media handles (Instagram, LinkedIn, Facebook, Whatsapp), as well as on online event websites such as Dare2Compete. Information about the Hackathon was also circulated among various college groups, and the event was publicized by the CodeCell team in all classes of the Computer, IT, EXTC and BioMedical departments of TSEC.

The participants were required to upload their code to Github at the end of the Hackathon. To aid the participants who were unfamiliar with the framework, a 3-hour workshop on 'Git and Github' was conducted by Harsh Kapadia, a CodeCell committee

member, on the 21st of March. This workshop, attended by approximately 100 people, helped the participants unfamiliar with Git and Github gain a basic understanding of the frameworks and use it for collaboration during the course of the hackathon.

The Domains for the Hackathon were:

1. Web Development
2. App Development
3. Artificial Intelligence and Machine Learning
4. Blockchain
5. Social Cause

Besides the cash prizes the participants/winners were rewarded with other incentives such as:

1. Wolfram Award For Top 10 Teams (Worth \$375 Per User)
2. 90%-70% Discount Coupons For Any Coding Blocks Course
3. SITH Free Course
4. Pair A Dice Cafe Coupons
5. Internships And Mentorship Provided By CertifyMe And SITH

All participants also got access to:

1. Wolfram|One (\$25 For A Month)
2. Repl.it HackerPlan (\$21 For 3 Months)
3. Taskade Unlimited Plan (\$60 For 1 Year)
4. SashiDo Platform Credits
5. 65% Discount Coupons For Coding Blocks Courses

REGISTRATION STATISTICS

Domain	Number of Teams
Web/App Development	37
Artificial Intelligence and Machine Learning	15
Social Cause	9
Blockchain	2

PROBLEM STATEMENTS

Machine Learning

1. Video KYC Application

Analysis of Covid Vaccine

Earlier KYC verification was done in person, but due to COVID-19, banks are trying to implement a way to perform KYC virtually.

KYC: It means Know Your Customer, in which the organization makes some extra effort to verify the identity, suitability and risks involved with maintaining a professional relationship.

Your task is to create a web application in which the user will upload the government documents. The ML model will try to perform some type of verification and verify that the person uploading those documents is a legit user.

Optional Features:

What should happen if the model predicts a false negative?

Try to add any fraud detection system

Your solution will be judged on the basis of the uniqueness of your ML approach and different types of verification methods

2. Invoice Processing System

One major problem in the finance world is that invoice formats are not standard and structured. Extracting useful information from these documents is easy for humans but a challenging task for machines.

Your task is to create a platform where a user will

- upload their invoices in PDF/scanned image
- ML model will extract all of the required information
- Export the data into a JSON/CSV format

ML Model: You need to train a model from scratch on the given dataset or you may use your own data.

Dataset : <https://drive.google.com/drive/folders/1ShltNWXyiY1tFDM5W02bceHuJjyeeJI2>

Example of important information from Invoices:

- Invoice Number
- PO Number
- Invoice Date
- Due Date
- Terms
- Subtotal
- Tax
- Amount Due
- Currency
- Vendor Name
- Vendor Address
- Customer Name
- Other

Optional Features:

The user should have an option to review and validate the captured information from the model

Your solution will be judged heavily on the accuracy of your model.

Blockchain

1. Cryptocurrencies Problem Statement:

A cryptocurrency is a digital or virtual currency that is secured by cryptography, which makes it nearly impossible to counterfeit or double-spend. Many cryptocurrencies are decentralized networks based on blockchain technology—a distributed ledger enforced by a disparate network of computers.

Your task is to create a **Cryptocurrency of your own** and demonstrate Cryptocurrency transactions using animations and dynamic visualisations (wherever applicable).

Your application should demonstrate the process of adding new blocks to the blockchain. The visualization of the block should contain:

1. Index of the Block: Block #1
2. Hash: #00001834d29f33...
3. Previous Hash: #000dc75...
4. Timestamp: Tue, 19 Dec 2017 ...
5. Data
6. Nonce: 1263

It should be capable of demonstrating 3 types of transactions:

1. Reward: Satoshi rewarded with 100 coins for mining a new block.
2. Regular: Satoshi paid Dean 5 coins with a change of 94 coins.
3. Fee: Mining fee of 1 for whoever mines the transaction (Satoshi in the example above).

It is necessary to address the following:

1. How is the value assigned?
2. How can people trust Cryptocurrency?

Reference: <https://coindemo.io/>

You can use:

1. Non-Linear Blockchain structures such as DAG
2. Consensus algorithms like BFT and EOS - dPoS

2. Fake Product Detection System:

There are many fake products that exist in the supply chain and to ensure the genuineness of the product, a system is needed. To check the genuineness of a product, the ownership history of the product needs to be maintained.

Every popular brand has fake manufacturers selling a counterfeited item at cheaper rates. Even the company experts may not be able to distinguish between fake ones and real ones.

Your task is to use Blockchain to find if a product is authentic or not.

The system should work as follows:

1. The manufacturer marks the goods with 2D barcode / QR Code and packs them.
2. At each stop along the supply chain, anyone handling the product will create a record on the blockchain before sending it along to the next link using the 2D Barcode / QR-code.
3. The customers can scan the item's 2D Barcode / QR-code to ensure their authenticity.
4. Once the item is sold, the blockchain should mark the particular product as "sold".

If the product is authentic the application should provide all the details about the product along with the manufacturer, location of the manufacturer, distributor, location of the warehouse,

transportation companies and retailers. The application should also notify the user if the product is fake.

Web/App Dev

1. On-demand car service application

Travelling by automobile has been the most widely used mode of transport. Often while travelling, passengers face the situation of a vehicular breakdown. Passengers are unaware of the car service centres available at remote places.

Create a web/mobile app that will help connect passengers and mechanics when in need.

Suggestions :

- The web/app should support all vehicles like cars, buses or trucks, etc.
- It should display the nearby service centres/mechanics to the passengers.
- Passengers should get the contact information and the scope of service the centres/mechanics provide (Cost charges should be mentioned).
- Once a mechanic is hired by the passenger, a confirmation receipt along with the arrival time should be displayed.
- In case of failure of any mechanical parts of the vehicle, the passengers should have an option to purchase mechanical parts from nearby centres.

2. Course Tracker Companion

Students usually do not have access to resources related to the session they attend. Student's might also miss the session due to technical difficulties.

Create a course tracker that tracks a series of recorded lectures and assists students.

Suggestions :

The course tracker should provide functionalities such as:

- a. Ability to upload recorded lectures.
- b. The teacher should be able to attach lecture notes and references.

The system should be able to crawl the internet for resources to supplement the lecture.

The resources can be:

- Book references
- Academic and/or professional papers
- Tutorials and any other beneficial information.

3. Job reviews for Students

Students don't have a lot of information about the companies that could provide them with job opportunities. Most of the time this information is scattered.

Develop a system for Students to create a Company profile & a score for Campus job opportunities from the following sources -

1. Company website
2. Company Social Media account
3. Posts from the company's officeholders
4. Reviews on Google My Business and Glassdoor

Suggestions -

- a. Students should be able to rate on parameters like
 - Work-Life balance
 - Types of projects
 - Work culture
 - Pay
- b. Students should be able to plan their preparation for placements according to the company
- c. Students should have the option to add company-specific questions to every company
- d. A dashboard for students that helps them track their preparation

4. Online IDE

Build a Real-Time Collaborative coding ide/text editor.

Feature Set:

1. Related to Coding:
 - A. Autocompletion
 - B. Linting
 - C. Syntax Highlighter
 - D. Snippets
 - E. Bracket Matching
2. Cross-Platform Support
3. File System Navigator
4. Language Server Protocol(LSP) Support(Client Implementation)

References:

LSP Client Implementation

(<https://blog.logrocket.com/how-to-use-the-language-server-protocol-to-extending-a-client-764da0e7863c/>)

Social Cause

1. Vatsalya Trust

Due to the pandemic school children need access to electronic devices like phones, laptops, desktops for their online lectures. Sometimes children could misuse these things by skipping the lectures and instead could access websites and social media platforms. This has resulted in an alarming increase in internet exposure to children.

Vatsalya Trust is looking for a solution that could help the guardians/parents/supervisors of children to get notified in case of any misuse detected. Considering the time constraints, you are expected to come up with a solution with the following features (feel free to add your own ideas):

1. Build a Web/Mobile app/extension where the parents could register a device along with some other contact information.
2. Everytime a browser is accessed from this device and in case of any social media page is accessed during online lectures (for simplicity you may consider Google Meet) or tab is switched, issue a warning to the user. If ignored, report it to the parent/guardian email/phone.
3. Create a log of all the browsing activity the child is doing during online lectures.
4. Disabling this control/tracing should require parents'/guardian's permission.

BONUS:

- Cross-platform integration (mobile and desktop)
- Digital wellbeing reminders

2. Aapka Sahara Foundation

Design a senior-friendly website/app where senior citizens can connect to an ASF volunteer via phone-call/physical meetup

There should be registration pages for both - senior citizen and volunteer along with verification for both using some document

The website/app should show the nearest volunteers(for physical meetup) and then they can schedule a meet-up with the volunteer.

Optional feature

Implement a chat system wherein a senior citizen can chat with other senior citizens (individually and/or in the group) with similar interests

The system should suggest people the senior citizen can/should chat with.

JUDGES

Web Development	AI/ML	Social Cause/Blockchain
Navnath Shinde	Darshan Solanki	Siddhartha Nigam
Rahul Saxena	Ali Mustafa Shaikh	Dr. Vijay Karna (Capgemini)
Neeral Mulchandani	Navnath Shinde (Capgemini)	
Himanshu Totla		

MENTORS

Web Development	AI/ML	Social Cause/Blockchain
Saurabh Daware	Rishit Dagli	Vaibhav Chellani
Vilva Athiban	Aanchal Mishra	
Tanisha Sabherwal		

SPONSORS

1. **CertifyMe - Education Partner**
2. **SITH - Education Partner**
3. **Pair a Dice Cafe - Gaming Partner**
4. **Wolfram Language - Technology Partner**
5. **Repl.it - Technology Partner**
6. **Taskade - Collaboration Partner**
7. **Give My Certificate - Certificate Partner**
8. **SashiDo - Technology Partner**
9. **Coding Blocks - Community Partner**

WINNERS

Position	Team Name	College Name	Members	Cash Prize
First	Team Gravity	Atharva College of Engineering	Raju Potharaju Mayuresh Surve Payal Pawar	Rs. 25,000
Second	Ctrl Alt Elite	Dwarkadas J. Sanghvi College of Engineering	Devanshu Shah Jinay Parekh Palka Dhirawani Vedant Gandhi	Rs. 10,000
Third	DROP TABLE TEAM	Fr. Conceicao Rodrigues Institute of Technology, Vashi	Aditya Unnikrishnan Abhishek Choudhary Gabriel Rajendran Gregory Biju	Rs. 2,500
Third	403_Forbidden	Thadomal Shahani Engineering College	Parth Sunil Cheulkar Varun Mamtora Chiraayu Meghnani Shyren More	Rs 2,500

FEEDBACK

Jury Feedback

https://docs.google.com/forms/u/2/d/19vVmQ5D9_AKOm_FUA-rwh1MahBi7JaBMOz3kYTHelpS/edit#responses

Participants Feedback

https://docs.google.com/forms/u/2/d/1V7UnTWmDGBE6Sz_J-L4gu5nkeCOi6P7OH_4Xuq1G6eA/edit#responses

COMMITTEE MEMBERS

BE:

Amol Sawant
Chinmay Patil
Ishita Kotian
Kenil Shah
Malvika Rao
Rahul Gohil
Rishab Saini
Ritika Talreja

TE:

Aashna Shah
Archit Shinde
Aryan Nayak
Faizan Parabtani
Girish Kewalramani
Harsh Kapadia
Harshavardhan Abichandani
Ishita Deshmukh
Lavesh Tirthani
Monika Jha
Pooja Patel
Poornartha Sawant
Saurav Uppoor
Shlok Jethmalani
Shubham Chettiar
Vaish Devidasani

SE:

Arjun Balamwar
Dheeraj Lalwani
Gaurav Raj
Jash Makhija
Prithvi Rohira
Saket Thota
Sanskriti Yadav
Shubh Mehta

Tanay Kamath
Tushar Nankani





COPPER TRACK INDUSTRIES (M-76)
कॉपर ट्रैक इंडस्ट्रीज
Manufacturers of PRINTED CIRCUIT BOARDS
PLOT NO. 10, ROAD, JODHA, NARAINA-ALOKHA
NEW DELHI (INDIA) DELHI-110028, INDIA

M 76

MAZDA SUZUKI

Thadomal Shahani Engineering College

Industrial Visit – Godrej & Boyce Ltd, Vikhroli

12.01.2017

No	Name	Sem/Branch	12.01.2017
1	Ranjita Mahalik	IV/ EXTC	
2	Gunjan Ramani	IV/ EXTC	
3	Vrajesh Sharma	IV/ EXTC	
4	Sandhya Venkat	IV/ EXTC	
5	Avish Porwal	IV/ EXTC	
6	Aaditya shah	IV/ EXTC	
7	Mayuri	IV/ EXTC	
8	Saloni Raut	IV/ EXTC	
9	Tanvi	IV/ EXTC	
10	Rishabh Singh	IV/ EXTC	
11	Ria shetty	IV/ EXTC	
12	Chirag chandnani	IV/ EXTC	
13	Naman Bansal	IV/ EXTC	
14	Abhijeet Sudhakar	IV/ EXTC	
15	Gauri Jamsandekar	IV/ EXTC	
16	Ashwin Jahetia	IV/ EXTC	
17	Ishan Raina	IV/ EXTC	
18	Kartik Kothari	IV/ EXTC	
19	Pallavi Kadam	IV/ EXTC	
20	Shabbir	VI/EXTC	
21	Gurkiran	VI/EXTC	
22	Manik Chandey	VI/EXTC	
23	Rohan Vaswani	VI/EXTC	
24	Tarun Shadija	VI/EXTC	
25	Ankita Vartak	VI/EXTC	
26	Sheetal Patil	VI/EXTC	
27	Priyal Patil	VI/EXTC	
28	Neha Patil	VI/EXTC	
29	Avani Chudasama	VI/EXTC	
30	Dhriti Kanchan	VI/EXTC	
31	Karan Nadar	VI/EXTC	
32	Vinayak Prabhutendolkar	VI/EXTC	
33	Shubham Patil	VI/EXTC	
34	Danish shaikh	VI/EXTC	
35	Naresh Nair	VI/EXTC	
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MANOJ	KEVEDIA	47	MALE
SUNITA	RATHOD	43	FEMALE
MUKESH	ISRANI	47	MALE
BHUSHAN	JADHAV	34	MALE
MANI	ROJA	50	FEMALE
UTTARA	BHATT	44	FEMALE
NABNITA	MANDOL	31	FEMALE
DARAKSHAN	KHAN	29	FEMALE





Certificate

Enroll No. PU/G/18/SS-49

This certifies that, Ms Mani Roja as successfully completed One Day Satellite Telecommunication Industrial Training Program at Institute of Satellite Telecom Pvt. Ltd. Pune.

Date: 17th September 2018

For INSTITUTE OF SATELLITE TELECOM PVT. LTD.
Managing Director
ISTC Pune







Training Center For Excellence

An Initiative by Copper Track Industries

Certificate

This to Certify that

Mr. / Ms. Dr. Mani Roja

Thadomal Shahani Engineering College, Mumbai.

has Successfully completed

WORKSHOP ON SOLAR ENERGY / TECHNOLOGY

10 th April 2018

on _____



Training Center For Excellence



**COPPER
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INDUSTRIES**

M-76, MIDC, Ambad, Nashik 10
coppertrack@rediffmail.com
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(0253)2381244, M-7360591415, 9225126972

LIFE TRAVELS

“Your Journey, Our Passion”.

Travel BROCHURE

ITINERARY :- SOUTH INDIA TRIP

DURATION:- 9N 10D

DATE - 27 JUNE - 6 JULY

ROUTE-

**MUMBAI-KODAIKANAL-OOTY-MYSORE-
COORG-MUMBAI**

LIFE TRAVELS

"Your Journey, Our Passion".

June 27 & June 28 –

**Boarding in Train from LTT MUMBAI STATION
To Madurai**

**Arrive at 11:00 PM at LTT STATION & Board
in LTT MADURAI Express.**

**Meet, greet & enjoy with your friends and
teachers for whole day.**

Overnight in Train.

June 29:-

Arrival at Madurai Railway Station

On arrival at Madurai Railway station, meet our representative and take a transfer to the hotel. En route silver Cascade Waterfalls formed as a result of the overflowing of the famous man-made Kodai Lake, are the perfect way to have a break while on a long road trip. Check into the hotel. Enjoy your rest of the day at leisure.

June 30 - KODAIKANAL SIGHTSEEING

Morning after breakfast leave for to enjoy sightseeing visit, vattakanal falls, lion cave, echo rock, mountain beauty, difference Rock, 500 yrs old tree, Bryant Park, coakers walk later evening enjoy boating in kodai lake, cycling, after grate day over night stay at hotel..



AAREM VALLEY CASTLE -3 *

LIFE TRAVELS

"Your Journey, Our Passion".

July 1 - KODAIKANAL-OOTY

In the morning, after breakfast, check out from the hotel & Then drive to Ooty - the "Queen of Hill stations" , the sheer grandeur of this romantic city is enough to drain anyone out. Park. On reaching to the hotel just check-in to your room. Rest of the time is free for shopping and your other areas of interest. Overnight stay at Hotel in Ooty.

JULY 2:- Ooty Full Day Sightseeing

After breakfast, get ready for an exciting excursions of Ooty, enjoy the beautiful attractions of

- Doddabeta Peak,
- Tea factory (industrial visit)
- Popular Botanical Garden, and
- Ooty Lake/Boat House - here you can enjoy boating, horse riding etc. activities. Return back to the hotel & stay overnight in Ooty.



FORTUNE RETREATS/ SIMILAR

JULY 3:- Ooty To Mysore

After breakfast leave for Mysore , go for Industrial visit in morning.

Later in afternoon visit World famous Mysore Palace & evening visit Brindavan Gardens KRS which is famous for musical Color Fountain Show, later comeback to hotel & have dinner & later overnight stay at hotel.



HOTEL ADELINE MYSORE -3*

July 4 : Mysore to Coorg

After breakfast at the Hotel, the driver will take the guests and head towards Coorg.

Once you enter Coorg, En-route the driver will take you to visit the following spots:

-Tibetan Monastery(Golden Temple)

-Nisargadhama

The students can have Lunch at any restaurant of their choice at Kushalnagar.

After visiting the above-mentioned places and Lunch, the driver will take you to madikeri hotel, check-in &

Freshen up at the hotel

By night, relax at Resort / Hotel while Dinner is being prepared. Have Dinner and overnight stay at hotel



LA FLORA PRAKRUTH RESORT COORG – 3*

LIFE TRAVELS

"Your Journey, Our Passion".

July 5- Coorg Full Day Sightseeing

After breakfast, around 9.00 AM, head towards Madikeri to visit the following tourist spots:

- Abbey Falls
- Omkareshwara Temple
- Raja's Seat sunset point

Later leave for Mangalore Junction by 10:30 pm we should reach the station & Board the Train to Mumbai at 11:10 P.M

July 6:- Arrival at Mumbai Station

Arrival at LTT (LOKMANYA TILAK TERMINUS)
/ Mumbai railway station by 4:30 PM And
hence Trip ends here with Beautiful
memories.

Total Cost :-

8,600/- per student

INCLUSIONS

- **TO AND FRO SLEEPER CLASS TRAIN TICKETS**

- **ACCOMMODATION IN 3 OR 4 STAR HOTELS ON QUAD**

SHARING BASIS

- **TWO INDUSTRIAL VISITS ONE TECHNICAL RELATED & ONE**

TEA FACTORY

- **DAILY BREAKFAST & DINNER DURING HOTEL STAYS**

- **ONE DJ NIGHT & ONE BONFIRE**

- **TRANSPORTATION IN SEMI LUXURY DELUXE BUS WITH**

CURTAINS & DOLBY SPEAKER SYSTEM

- **ALL TOLL AND TAXES**

EXCLUSIONS

- **All kind of personal expenses such as hotel tips, laundry, telephone bills, and beverages.**
- **Personal and medical insurance**
- **Service of Guide/driver Tips/Any entrance charge at Any place**
- **Extra nights in hotel due to ill health, or any other reason**
- **Extensions of tour programme or diversions in the tour itinerary for any kind of reason**
- **Anything which is not mentioned in inclusions**

CANCELLATION POLICY

- **120-60 DAYS PRIOR TO THE DEPARTURE OF TOUR 25% OF THE TOUR COST**
- **60-30 DAYS PRIOR TO THE DEPARTURE 50% OF THE COST**
- **30-15 DAYS PRIOR TO THE DEPARTURE 75% OF THE COST**
- **15-0 DAYS PRIOR TO THE DEPARTURE 100% OF THE COST**

CONTACT DETAILS

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(CHIRAG VAZIRANI)

OR

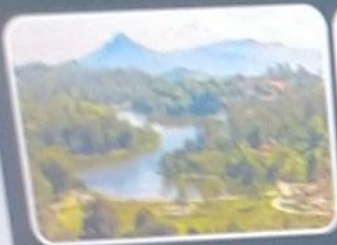
Email us at :- life.travels.rs@gmail.com

***“We strive hard to provide our customers the best experience in our
industry”***

Company Website :- www.lifetravelsonline.in / www.lifetravelsindia.com

T.S.E.C. PRESENTS

INDUSTRIAL VISIT JUNE - 2019



KODAIKANAL



OOTY



MYSORE



COORG

TOUR PLANNED IN COORDINATION WITH LIFE TRAVELS

COORDINATORS : PROF. MANI ROJA & PROF. MUKESH ISRANI

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6	Prof. Darakshan Khan	Comp	9167964389	F
7	Prof. Juhi	Comp		F
8	Prof. Nikilesh Joshi	IT	9619659411	M
9	Ms. Rasikha Bhawe	EXTC	9820501826	M

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LIFE TRAVELS

“Your Journey, Our Passion”.

DATE :- 02 JAN TO 7 JAN

**ROUTE:-MUMBAI – HYDERABAD
– RAMOJI TOUR- MUMBAI**

Itinerary –

Hyderabad 5 Nights / 6 Days

Jan 02

Train Journey

Mum – Hyd @Night Journey

Hussainpoora express

Jan 03 : Station pick up+ Sightseeing

Pickup from Railway Station / Airport / Bus Station and proceed to the Hotel. After fresh-up, proceed to Hyderabad Sightseeing Places

proceed to Qutub Shahi Tombs, Chowmahalla Palace, Charminar, shopping can be done at Lad Bazaar near Charminar and then proceed to Salarjung Museum.

Hotel Stay At Wood Bridge Hyderabad

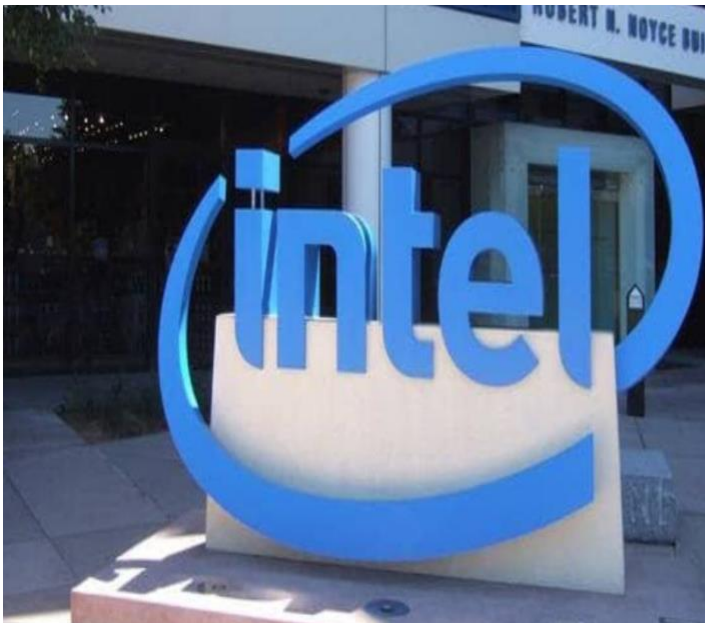


Jan 04 : RAMOJI FLIM CITY TOUR WITH LUNCH

After Breakfast, proceed to visit primary tourist place of Hyderabad, Ramoji Film City. Full day would be nearly sufficient at Ramoji Film City. Ramoji Film City is one of the largest and glamorous film studios in the world. Ramoji Film City has also place in the Guinness Book of World Records. Spread across an area of almost 2500 acres, it is one of the major film making facility of the country offering everything related to pre and post film production. The architecture of the studio and the wide range of settings makes it one of the favourite spot for many film makers. Evening return back to Hotel for overnight stay.

Jan 05 : INDUSTRIAL VISIT + SIGHTSEEING

Today After Breakfast proceed for INDUSTRIAL VISIT @MICROSOFT & INTEL Later in the evening Proceed for sightseeing including Birla Mandir, Necklace Road Snow World , NTR Gardens & Lumbini Park, Lumbini Park also runs a Laser Show and Musical fountain show in the evenings. It Evening return back to Hotel for overnight stay.



JAN 06 : SIGHTSEEING + DROP

Morning after Breakfast, proceed to mighty Golconda Fort (You can also view another video on Golconda Fort here created by our team), which would take about half a day and then . Drop at Hyderabad Railway Station for your return journey.

JAN 07: ARRIVAL AT MUMBAI

Arrival at afternoon in Mumbai.

Arrival at station @ 4 PM

TOTAL : 5,600/- INR

HOTELS PROVIDED

- **WOOD BRIDGE HOTEL**

INCLUSIONS

- **SLEEPER TRAIN FARE MUMBAI TO HYDERABAD**
- **SLEEPER TRAIN FARE HYDERABAD TO MUMBAI**
- **ACCOMMODATION IN 3 STAR HOTELS ON QUAD SHARING**
- **RAMOJI FILM CITY ENTRANCE CHARGES.**
- **3 BREAKFAST , 4 LUNCH AND 3 DINNER DURING HOTEL STAYS ONLY**
- **TRANSPORTATION IN DELUXE BUSES**
- **DRIVER CHARGES**
- **ALL TOLL AND TAXES**

EXCLUSIONS

- **All kind of personal expenses such as hotel tips, laundry, telephone**
- **2 Personal and medical insurance**
- **Service of Guide/driver Tips/Any entrance charge at Any place**
- **Extra nights in hotel due to ill health, or any other reason**
- **Extensions of tour programme or diversions in the tour itinerary for any kind of reason**
- **Anything which is not mentioned in inclusions**

CANCELLATION POLICY

120-60 DAYS PRIOR TO THE DEPARTURE OF TOUR 25% OF
COST

- 60-30 DAYS PRIOR TO THE DEPARTURE 50% OF COST
- 30-15 DAYS PRIOR TO THE DEPARTURE 75% OF COST
- 15-0 DAYS PRIOR TO THE DEPARTURE 100% OF COST

CONTACT DETAILS

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OR

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