GF GHARDA FOUNDATION

GIT | GHARDA INSTITUTE OF TECHNOLOGY

SHODH 2017

REPORT

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STARTUP INDIA

STARTUP INDIA was the scheme launched by Honorable P.M. Shri Narendra Modi under The Department of Industrial Policy and Promotion under The Ministry of Commerce and Industry on 16th January 2016 at Vigyan Bhavan, New Delhi. Among the attendees were around 40 top CEOs and startup founders and investors from Silicon Valley as special guests including Masayoshi Son, CEO of Soft Bank, Kunal Bahl, founder of Snapdeal, Ola founder Bhavish Aggarwal, Paytm founder Vijay Shekhar Sharma, Travis Kalanick, founder of Uber, Adam Neumann, CEO of We Work, BJ Arun, CEO of July Systems, Prateek Kr. Bhowmick, Co-founder of Review Adda, Sachin Bansal, Co-founder of Flipkart, Naveen Tewari, Co-founder of Inmobi and many others.

Startup India campaign is to promoting bank financing for start-up ventures to boost entrepreneurship and encourage startups with jobs creation. The campaign was first announced by Prime Minister Narendra Modi in his 15th August 2015 address from the Red Fort. It is focused on to restrict role of States in policy domain and to get rid of "license raj" and hindrances like in land permissions, foreign investment proposal, environmental clearances. The government has already launched iMADE, an app development platform aimed at producing 1,000,000 apps and the MUDRA Bank, a new institution set up for development and refinancing activities relating to micro units with a refinance Fund of Rupees 1400 crores.

The Standup India initiative is also aimed at promoting entrepreneurship among SCs/STs, women communities. Rural India's version of Startup India was named the Deen Dayal Upadhyay Swaniyojan Yojana. The Ministry of Human Resource Development and the Department of Science and Technology have agreed to partner in an initiative to set up over 75 such startup support hubs in the National Institutes of Technology (NITs), the Indian Institutes of Information Technology (IIITs), the Indian Institutes of Science Education and Research (IISERs) and National Institutes of Pharmaceutical Education and Research (NIPERs).

For Engineering and Science students, government has already organized various festivals to connect the scheme with youth of India. These fests had activities such as sessions to connect with investors, mentors, incubators and Startups, showcasing innovations, exhibitions and product launches, pitches by Startups, mentoring sessions, talks by disruptive innovators, competitions such as Hackathon (Organized at IIT, Bombay), Makerspace (IIM, ahemdabad), etc. Announcements of rewards and recognitions, panels and conferences with industry leaders, etc.

Key points of the scheme are as follows:

1. Single Window Clearance even with the help of a mobile application.

2. 10,000 crore fund of funds.

3. 80% reduction in patent registration fee.

4. Modified and more friendly Bankruptcy Code to ensure 90-day exit window.

5. Freedom from mystifying inspections for 3 years.

6. Freedom from Capital Gain Tax for 3 years.

7. Freedom from tax in profits for 3 years.

8. Eliminating red tape.

9. Self-certification compliance.

10. Innovation hub under Atal Innovation Mission.

11. Starting with 5 lakh schools to target 10 lakh children for innovation programme.

12. New schemes to provide IPR protection to start-ups and new firms.

13. Encourage entrepreneurship.

14. Stand India across the world as a start-up hub.

Soft Bank, which is headquartered in Japan, has invested Rs.20 crores into Indian startups. Google has declared to launch a startup, based on the highest votes in which the top three startups will be allowed to join the next Google Launchpad Week, and the final winner would win an amount of US$100,000 in Google cloud credits. Oracle on 12 February 2016 announced to set up nine incubation centres in Bengaluru, Chennai, Gurgaon, Hyderabad, Mumbai, Noida, Pune, Tiruvanthapuram and Vijayawada.

This year our Technical festival SHODH 2017 with the theme of Startup India is back to bring out in you the Innovator's Mind. So, students what are you waiting for? Instead of looking for jobs, start creating jobs. The government will be always be there to support you. So got a Idea, start your own startup!

Startup India, Standup India!

---Vande Mataram.!!!!

SWACHH BHARAT

--Ek Kadam Swachhta Ki Aur…!!

SWACHH BHARAT scheme was launched by Honorable Prime Minister Shri Narendra Modi on 2nd October 2014 (on the eve of Gandhi Jayanti) at Raj Ghat, New Delhi. It is India's largest ever cleanliness drive with 3 million government employees, and especially school and college students from all parts of India, participating in the campaign. It aims to eradicate open defecation by 2019. The government is aiming to achieve an Open-Defecation Free (ODF) India by 2 October 2019, the 150th anniversary of the birth of Mahatma Gandhi, by constructing 12 million toilets in rural India, at a projected cost of1.96lakh crore. As of May 2015, 14 companies including Tata Consulting Services, Mahindra Group and Rotary International have pledged to construct 3,195 new toilets. As of the same month, 71 public sector undertakings in India supported the construction of 86,781 new toilets. Finance BSE contributes1.01 crore to Swachh Bharat Kosh. The program has also received funds and technical support from the World Bank, corporations as part of corporate social responsibility initiatives. Swachh Bharat Abhiyan is expected to cost over 620 billion. The government provides an incentive of Rs.15,000 for each toilet constructed by a BPL family. PM Modi selected 12 public figures to propagate this campaign. They are: Sachin Tendulkar, Priyanka Chopra, Anil Ambani, Baba Ramdev, Salman Khan, Shashi Tharoor, Team of Tarak Mehta ka ooltah chashmah, Mridula Sinha, Kamal Hasan, ViratKohli, Mahendra Singh Dhoni, Anushka Sharma. Other ambassadors include PawanKalyan, S. P. Balasubrahmanyam, Kapil Sharma, Sourav Ganguly, Kiran Bedi, Kailash Kher, Shilpa Shetty and last but not the least all Indian People. As of 30 November 2016, Total Sanitation Coverage throughout India has risen to 57.56% up from 42.02% in October 2, 2014, the day Swachh Bharat Abhiyan was launched. The Swachh Bharat provides updates from individual groups, corporations and Twitter users in general about group cleaning events, the status of cleanliness across India, and opinions on the objectives of the Clean India. The Government of India released a Cleanliness Ranking on 15 February 2016 as follows: 1.Varanasi 2.Mysore 3.Chandigarh 4.Tiruchirapalli 5.New Delhi 6.Visakhapatnam 7.Surat 8.Rajkot 9.Gangtok 10.Pimprichinchwad 11.Greater Mumbai 12.Lucknow. So friends keep your surrounding clean and litter free, plant trees and lets put a step forward for a **SWACHH BHARAT, SUNDAR BHARAT.**

1. INTRODUCTION

SHODH is the annual technology festival of Gharda Institute Of Technology. SHODH is known for hosting a variety of technical events from each departments that include competitions and exhibitions like Autoexpo, Chemworld this year. Initially shodh Started in 2007 with the aim of providing a platform for the students to develop and showcase their technical prowess. It has now grown on a large scale and this year we are organizing our SHODH-2K17 in its latest edition. The activities culminate in a grand two day event in the campus of GIT which attracts the student from different regions like Ratnagiri, Satara, Kolhapur, Sangli, Sindhudurga & Raigagd. Participants are invited from leading technological institutes, while premier industrial and business houses sponsor this event. Awards are in the form of prize money and reorganization. Many – personalities host this event.

SHODH is one of the most successful event of this institute. SHODH-2017 aims to provide learning platform for the young and enthusiastic students enabling them to introduce a next generation technology to the society under the theme of "START-UP INDIA". This event presents you technical events as well as non-technical events like (This year we have organized "swachh bharat abhiyan") to show-cast students talent and bring out a new "Cast in You" for a better future.

The main objectives of this event are:

- To Enhance Technical Knowledge of students.
- To provide a platform for students for innovating new ideas.
- To develop overall personality of the students
- To enhance individual/Team spirit.
- To interact with nearby industries, engineering colleges and junior colleges.
- To motivate students for developing new ideas which will help society.
- To develop communication & management skills of students.

2. INAUGURATION FUNCTION

The inauguration ceremony was on 1st April 2017 between 10:30 am to 11:30 am at GIT open air auditorium. Dr. S. S. Bhagwat (Professor, Institute of Chemical Technology, Mumbai) was the chief guest for the function. The Function was started with introduction of the Guest , then "DEEP Prajwalan & Sarswati Poojan" completed by dignitaries. On this occasion, chief guest on his key note speech explained about our theme of SHODH, "START UP INDIA" & how the power of imagination can contribute for startup India concept. Managing Trustee explained how individuals can take a step forward to start their own venture. Principal Prof. P. S. Joshi appealed to all students to invent new things which can solve problems of local people around us. Mr. Nitish Galande, Convener gives message and good wishes for completions.

After Inauguration ceremony the Newly Introduced GIT Magazine is published by our Chief Guest, Managing Trustee & Principal Sir. SHODH-2017 Magazine was the innovative idea and firstly published this year.

Various Dignitaries from Government Agencies Like -Nuclear Power Corporation India, Ltd.-Jaitapur ; Balasaheb Sawant Kokan Krishi Vidyapeeth Dapoli; Maharshtra industrial Development Corporation , Mr. Bhatt -Deputy Engieer ,utility Section ,Lote; All Shodh-2017 Coordinators, GIT Staff& other college Staff , Media Persons from Different newspapers were also present at the venue.

Finally Shodh-2017 begins with the GIT-Samuh-Gaan.

Feliciation Of Chief Guest Dr.SS.Bhagaweat by Hon. Managing Trustee Dr. M.G. Gokhale sir

Feliciation of Hon. Managing Trustee Dr. M.G. Gokhale by Principal Dr. P.S. Joshi

Sarswati Poojan by Chief Guest

Sarswati Poojan by Hon. Managing Trustee Dr. M.G. Gokhale

Shodh-2017 Inauguration Function-Miss. Vaishali Chouhan,Mr. N.D.Galande, Dr. M.G.Gokhale,Dr. S.S.Bhagawat, Dr. P.S. Joshi, Mr. Prasad Avadan

Publishing Shodh-2017 Magazine

3. DEPARTMENTAL CO-ORDINATORS

Department	Departmental co-ordinators	Responsibility
Chemical	**Mr. S. M. Teli**	
Civil	**Mr. V.D. Kamble**	
ExTC	**Mr. T. L. Iltapawar**	All department level events.
Mechanical	**Mr. P. N. Jadhav**	
Computer	**Mrs. J. G. Borade**	
ASH	**Miss. P. S. Mhetre**	

4. COMMITTEE – SHODH 2017

COMMITTEE	Co-ordinators	RESPONSIBILITY
Sponsorship	Mr.S. D. Ayare	Collection of sponsorship amount.
	Mr.V. T. Oak	
	Mr. Sandeep Magdum	
	Mr. R. R. Kalamkar	
	Mr. D. G. Modani	
	Mr. A. S. Jadhav	

	Mr. M. S. Satpute	
	Mr. S. S. Sawant	
	Mr. A. K. Sawant	
Advertisement	Mrs. V. S. Kolge	Advertising (colleges, news, print media, social media)
	Mr. S. A. Howal	
	Missf. S. K. Vishwakarma	
	Mr. A.V. Phanse	
Registration	Mr. P. P. Patil	Registration (online and offline)
	Mrs. S. S. Gujarathi	
Inauguration & Decoration	Miss. S. S. Phatak	Decoration, anchoring etc
	Miss. Pallavi Kalokhe	
Food & Hospitality	Prof. D. N. Londhe	Food and hospitality of guests, judges, participants, staffs etc.
	Prof. V. S. Jadhav	
Valedictory Function & Prize Distribution	Mrs. S. R. Sonavane	Prize distribution, printing of certificates etc.
	Miss. P. P. Pawaskar	
Accomodation	Mr. S. V. Sutar	Transportation and accommodation of guests, participants etc.
	Miss. P. R. Sukhadeve	
	Mr. N. A. Kolekar	
Budget & Finance	Mr. N. D. Galande	`Fund raising, budget preparation and allocation.
	Mr. G. D. Parulekar	
	Mr. S. C. Munghate	

5. <u>DEPARTMENT WISE EVENT DETAILS</u>

Total 62 events were conducted by all departments. For these technical events 1516 participants actively participate & 350 coordinators helped in conducting the events. For the winners & runners the cash prize along with the certificates were distributed at the prize distribution ceremony. For the participants also certificates distributed. The details of the certificates & cash prizes is as given below:

The winner of <u>Most Participating Institute Award</u> is "**SSPM's College of Engieering kanakavali.** "

5.1. Department wise distribution of certificates

Sr.no.	Departments	No. of certificates
1	Chemical	585
2	Civil	690

3	Mechanical	380
4	ExTC	345
5	Computer	310
6	ASH	290

5.2. Department wise prize distribution

a) Department of Chemical Engineerng:

CHEMICAL			
Events	First Prize	Second Prize	Total
Paper Presentation	1200	950	2150
Poster Presentation	1100	800	1900
Project Presentation	1400	1100	2500
Mini- Tech	1200	950	2150
Chem-Quiz	1100	800	1900
Chem-E-Car	1700	1400	3100
React Arena	1400	1100	2500
Tormented Process	1700	1400	3100
Mock Interview	800	500	1300
Model Presentation(Agriculture)	1400	1100	2500
Poster Presentation(Diploma)	1100	-	1100
		Total	24200

b) Department of Civil Engineerng:

	CIVIL			
Events	First Prize	Second Prize	Third Prize	Total
Paper presentation	1100	800		1900
Poster presentation	1100	800		1900
Project Presentation	1400	1100		2500
Quiz	1400	1100		2500

Setu	2000	1500		3500
Slump Cone	2000	1500		3500
Estate War	1400	1100		2500
Town Planning	2000	1500	1000	4500
Creative Modelling	2000	1500		3500
Floating Structure	2000	1500		3500
			Total	**29800**

c) Department of Electronics & Telecommunication Engineerng:

Deapartment – EXTC Engineering			
Events	First Prize	Second Prize	Total
Paper Presentation	1400	1100	2500
Poster Presentation	1100	800	1900
Project Presentation	1400	1100	2500
Circuit Making	1100	800	1900
Mini Project	1400	1100	2500
Matlab	800	500	1300
PCB Design	1400	1100	2500
Circuit Hunt	1400	1100	2500
Advertising Selfie	800	500	1300
Robo Wars	800	500	1300
School events	500	--	500
		Total	**20700**

d) Department of Computer Engineerng:

Department-Computer Engineering			
Events	First Prize	Second Prize	Total
Paper presentation	1100	800	1900
Poster presentation	1100	800	1900
Project presentation	1400	1100	2500
Google It	1000	750	1750

Blind Programming	1100	800	1900
Let Me Take Selfie	700	600	1300
Play Buzz	800	500	1300
DB Query	800	500	1300
LAN Gaming CS-5	2000	1500	3500
LAN Gaming CS-3	1400	1100	2500
LAN Gaming NFS-1	800	500	1300
Lan Gaming Mini Militia	1100	800	1900
Technical Treasure Hunt	2000	--	2000
		Total	**25050**

e) **Department of Mechanical Engineerng:**

Department-Mechanical Engineering			
Events	**First Prize**	**Second Prize**	**Total**
Paper presentation	1100	800	1900
Poster presentation	1100	800	1900
Model presentation	1400	1100	2500
FUTSAL	2000	1700	3700
CAD Kida	1000	1000	2000
Robo Goal	1100	800	1900
Blue Arrow	1700	1400	3100
Smart Engineers	1400	1100	2500
Best Mechanist	2000	1700	3700
Lathe War	800	500	1300
Photography	800	500	1300
		Total	**25800**

f) **Department of Applied Science & Humanities :**

Department-ASH				
Events	**First Prize**		**Second Prize**	**Total**
Project Presentation	1400		550	550	2500
Poster Presentation	1100		800		1900
Seminar Presentation	500	500	300		1300
Quiz	1100		800		1900
				Total	**5600**

TOTAL PRIZES: 1, 31,150/-

6. REVENUE GENERATED

6.1. SPONSORSHIP

Sr.No.	Organization Name	Amount
1.	SP Construction pvt,ltd pune.	50,000/-
2.	Siddhivinayak Entreprises, Islampur	15000/-
3.	Samit Singhal-Cerebral Academy,Mumbai	15000/-
4.	Yamaha –Unique Motors,Chiplun	14000/-
5.	Aditya Traders,Chiplun	10000/-
6.	Pathan Industrial Agencies-(KTM,India,Ltd,Chiplun)	7000/-
7.	Rajvardhan construction , kherdi	5000/-
8.	Deep Networks Pvt.Ltd-Khed	5000/-
9.	Nuclear Power Corporation India Ltd.,Ratnagiri.	5000/-
10.	Mr. Pandurang Jadhav	2000/-
11.	Jatin Bhalachandra Chorghe -Chorghe Construction, Vasai	2000/-
12.	Om Hari Electricals	1000/-
13.	Shrinivas Telecom Services	1000/-
14.	Ganesh Organic Chemicals Pvt. Ltd-Lote	1000/-
15.	Bilal Electricals Ltd,Chiplun	1000/-
16.	Mr.Raj Patane,khed	1000/-
17.	Pranav Arts	1000/-
18.	PS solutions	1000/-

6.2. REGISTRATION

Sr. No.	Department	Amount		TOTAL
		Pre-Registration		
		GIT (including Spot Entries)	**Other**	
1.	Chemical	133	**153**	
2.	Civil	93	**109**	
3.	Mechanical	93	**109**	
4.	ExTC	67	**116**	
5.	Computer	128	**123**	
6.	ASH	61	**47**	

6.3. TOTAL FUND GENERATION:

Sr.No.	Particulars	Amount
1.	Sponsorship	1,37000
2.	Registration Fees	1,09,900
	TOTAL	**246,900/-**

Total Expenditure   **:**   **5,41,531/-**
Balance From Approved Budget :   **2,94,631/-**

6. **EXHIBITIONS**

a) *Chem-World*

This year Chemical Engineering Department of Engineering has successfully managed to have an exihibition by arranging various Product stalls which displayed innovative models which will help to upgrade our society and has enhanced the power of imagination which is our motto.

The list of various stall are as follows:
1. NPCIL (Nuclear Power Corporation of India Limited, Jaitapur).
2. Siddhivinayak Enterprices (Lab equipments and instruments).
3. Krushi Mitra (various seeds, pesticides, tractors etc).
4. Prapti Enterprises (safety equipments).
5. Urja Enterprises (solar panels, automized models etc.)

The Nuclear Power Corporationn India Ltd., Jaitapur shows the actual animated model of nuclear Energy power Plant setup Which is located at Jaitapur. It is the interactive session between The officers & Student.Many doubts in students mind are cleared during this session.

Another Proprietor, Mr. Siddhesh Patil , owner of Siddhivinayak Enterprises Gives the more information related to the new analytical Instruments present in markets, which are beneficial for Milk Processing, Pharmaceuticals& Chemical Industry.

Prapti Entreprises, mainly gives information about the Safety. They shows the different safety instruments like gas detector, Safety shoes, Mask etc. and guide student how to handle critical situation occurs while running chemical plant..Also they gives many instructions related to safety while working in the chemical Laboratory.

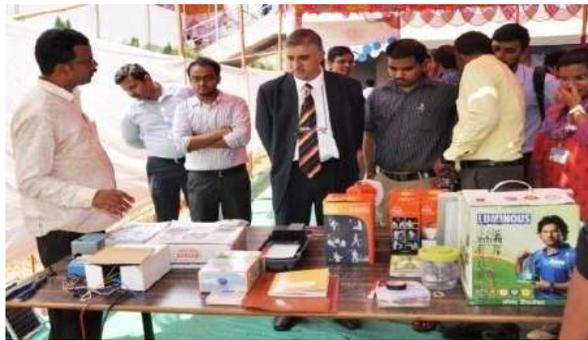Urja Entreprises shows different solar Models. Gives detailed information about solar equipments.

Cashew Processor

COW dunk Solid Blocks Maker

Automation in Drip Errigation Model

Cashew Processor

"Cashew & Supari" Natural Dryer

b) *AutoExpo*

The Many well known brands car and Motorbikes are available at the autoexo. The main Moto of this Exhibition is to boost the knowledge related to latest modification occurs in Diesel And Petrol Engine. The Experts from KTM-Bikes, Hyundai, TATA Motors,Royal Enfield gives the brief information about the engines. And whatever the new upgradation taking place in the car and Bikes. The Many Mechanical Students ask the doubts related to the cars and bikes,experts satisfied them.

9. MOST INNOVATIVE EVENT

SHODH 2017, Most Innovative Event, in which each department has to nominate any one event for this competition. This competition improved overall polish of SHODH 2017 and also included new events in each department. A trophy is given to the winning department.

Following are details of nominated event from each department:

Sr.no.	Departments	Event Name
1.	Chemical	Chem–E–Car
2.	Civil	Floating Structure
3.	Mechanical	Blue Arrow
4.	ExTC	Circuit Hunt
5.	Computer	Blind Programming

The Trophy is owned by Department of Electronics and Telecommunication Engineering for the event "CIRCUIT HUNT"

10. VALEDICTORY FUNCTION

Valedictory was on second day of event i.e. 2nd April, 2017 in between 2.30 pm to 4.30 pm. Our chief guest was Mr. Prashant Patwardhan.The function was started by felicitation of Chief guest by Our Hon. Pricipal Dr. P.S. Joshi. The function starts with the congratulating all the winners by Pricipal Sir. During the valedictory function our Chief Guest Mr. Prashant Patwardhan addresses students in his speech about Lord parshuram . Lord parshuram was the Engineer at that time and how can we utilize our current engineering knowledge for society & Human Being. Finally ,they Congratulates all the winners from various colleges. All the GIT students, Participants from throughout the event, Winners & Runners of various events, all teaching & non-teaching staff of GIT were present in the program. Honorable Guest Mr. Prashant Patwardhan.The, Principal Dr. P. S. Joshi , Registrar Mr. Pramod Pathare Sir & Shodh Convener Mr. Nitish D. Galande distributed prizes to the winners.

Most participated institute Award was given to SSPM's college of Engineering , Kanakavali for Maximum No. of entries in shodh2017..This year Electronics & Telecommunication Department is awarded by Most innovative award for Event CIRCUIT HUNT. Finally the function completes by giving Thanking Speech & Concluding of the function by Mr. Nitish D.Galande (Convener).Finally Convener gives Best wishes for Upcoming SHODH-2018.The Function finally windup at 5.30 pm.

12. HIGHLIGHTS OF SHODH 2017

- It was observed that "SHODH 2017" was a bench mark and a grand success
- Git- Shodh Magazine was Firstly introduced in this Time
- GIT- Shodh 2017 Website launched this time.
- This Time Maximum Revinue generated by Student Coordinators in the form of Sponsorship & Registration.
- This Year Rotating Shodh Logo at the Entrance was the main attraction.
- The Inauguration Function Was first time held in open Air Auditorium.
- Maximum No. of Particiant this year from Outside colleges.
- The ChemWorld Exhibition gives the lot of ideas to student as became an Entrepreneur in future. Some Projects Like automation in Drip irrigation that was the fantastic idea.
- During AutoExpo lot of new cars and Bikes are present .
- Exhibition Gallery by Extc Department was veryinnovative one.In this Exhibition different electronics instruments like phones sound recorder shows

13. CONCLUSION

The Shodh is the Technical Festival organized by Gharda Institute of Technology ,Lavel. This enhances the technical knowledge of the students. This year the newly launched SHODH-2017 rotating logo was the main Attraction during the function. Decoration team Decorate the corridor Suited to Theme Start-up India by publishing different posters related Digitalization , Publicity of using E-sources& another ,ISRO-Missile Launching model also touches the students to do something and make the missile like models in their final year project. This year participants from other colleges are 657,this is largest count .Total 1764 students are participated and nearly 100 other Industry persons for SHODH-2017   The Chemworld Exhibition also fruitful for mechanical as well as chemical student. The Student from Dapoli Krishi Vidyapeeth Present different model related to agriculture like- irrigation models by using Sensors i. e. Automation in new irrigation system that are wonderful. That models boost the EXTC and Mechanical Students to became and Entrepreneur in future. Then Different natural product processing by that students are also nicely represented by that student from Dapoli. The during Auto Expo the experts from Automobile companies explains information about new engines ,Then updation in the recent model. Overall,the function successfully completed after two days hard work of all Volunteers, All

Shodh-Team members & valuable support of Management .

I am Very thankful all for their valuable support for Grand success of the SHODH-2017

Mr. Nitish Galande

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