



SVKM'S
SHRI BHAGUBHAI
MAFATLAL
POLYTECHNIC



E-NEWSLETTER

Jan- June 2017

VOL. No. 2





PRINCIPAL'S DESK



I feel honored and excited to announce that SBMP's second E-Newsletter is all set to publish online. This is our venture to collect the plethora major happening of polytechnic and encapsulate them in the form of E- Newsletter. E-newsletter is the result of combined requirements of NBA certification, Digital India Initiative and our Go Green Policy. We at SBMP ensure the active participation of students in various curricular and extra -curricular activities in and outside the institute. I appeal students and visitors to spare some moments to read to

this **e-Newsletter** available with our college website and encourage us in our new venture. I hope along with Sagar Tarang, in long run our **e-Newsletter** will create its unique place among the minds of readers. On this occasion, I take this opportunity to appreciate the entire editorial team and especially students members, for their efforts to make things happen.

With warm regards

Prof. Umesh Kantute

Principal

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Mrs. Swapna Naik, IT & Comp.

STUDENT EDITORS:

Miss. Swathy Dhanesh IT

(1698017)

Miss. Dhruvi Tahilramani IT

(1698036)

Mr. Om Shah IT (1698031)

EDITORIAL

It is a matter of great pride to present 2nd issue of “**e-Newsletter of SBMP**” in the context of NBA accreditation of courses available with the Institute.

As you know, **e-Newsletter** has been magnanimous creation of our institute and it is the result of efforts of all active the members of editorial board, concerned authorities and Students, who nourished this ‘thought-seed’, now blossomed as plant.

As the editor in Chief, I express a deep sense of gratitude for all those who directly or indirectly contributed in making this second issue of SBMP’s **e-Newsletter**, a plethora of institutional progress and achievements.

I am thankful to our Principal, Management and all my colleagues for their guidance and cooperation time to time to bring out this issue.

With Best Wishes,

B.M. Pande

(Editor in Chief)



VISION

SBM Polytechnic aspires to be the Lead Institute in providing need based Technical Education .

MISSION

- To provide state-of-the-art infrastructure and latest equipment for providing a stimulating learning environment.
- To prepare students to meet the dynamic needs of the industry by periodic reviewing and up gradation curriculum through an interactive process with industry.
- To inculcate a spirit of excellence in terms of academic performance, research and innovation in faculty by providing appropriate support and incentive systems.
- To promote and support Co-Curricular, extra-curricular activities and industry interaction to make students socially sensitive and employable.

S.B.M. Polytechnic has created a name for itself by maintaining high standard of discipline and performance. The Polytechnic believes in organizing need-based programs and assisting in-service personnel in education and training activities. The Polytechnic has developed Sandwich Programs and has diversified its conventional programs initiated in 1963 into variety of discipline areas as First Level as well as Post-Diploma Level along with in-service programs. The Polytechnic is a grant-in-aid autonomous institution affiliated to the Maharashtra State Board of Technical Education. The Polytechnic is being managed by the duly constituted Managing Council.

Objectives

1. Over the years, objectives of S.B.M.P. have been to initiate, develop and conduct need-based programs so as to develop Technical, Managerial and Entrepreneurial skills.
2. S.B.M. Polytechnic aims at upgrading and updating qualification skills and knowledge of technicians already working in the industry through Continuing Education Programs and Part Time Diploma Programs.
3. S.B.M. Polytechnic's mission is to establish and provide a comprehensive, full equipped training facility in advance technological fields and to cater to industry needs of specialized skills in the emerging high-tech areas

For achieving these, SBMP strives to

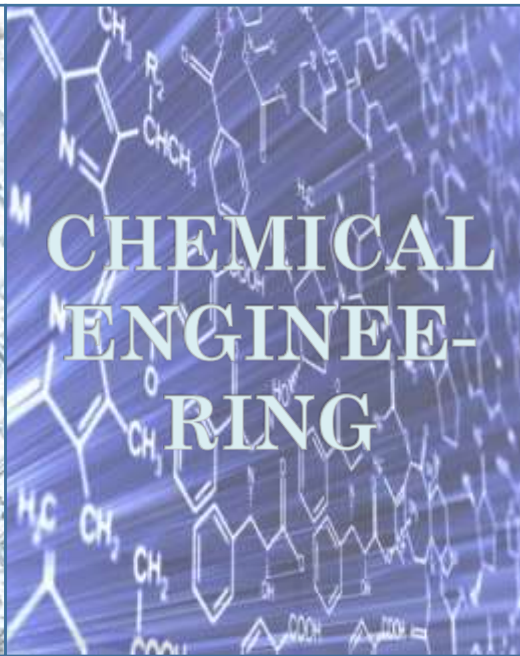
- a) Develop better approach, skills and attitude to work
- b) Bridge Theory-Practice gap and stress on Application and Utility of Programs.
- c) Ensure participating and association of Faculty through Staff Development Activities.
- d) Promote Institute Industry Interaction for mutual help.



**MECHANICAL
ENGINEERING**



**CIVIL
ENGINEERING**

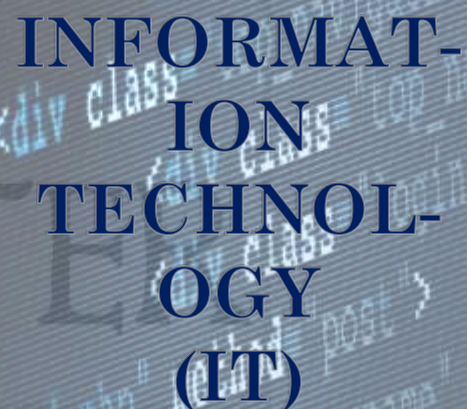


**CHEMICAL
ENGINEERING**



**COMPUTER
ENGINEERING**

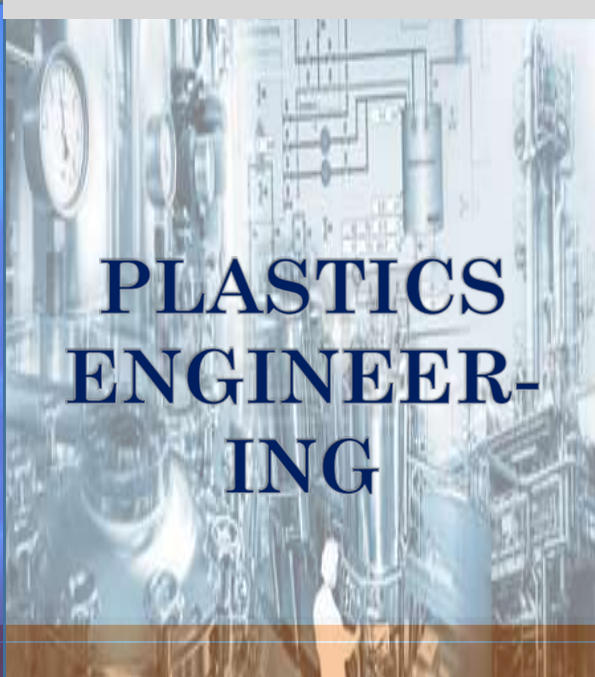
**OUR
DEPARTMENTS**



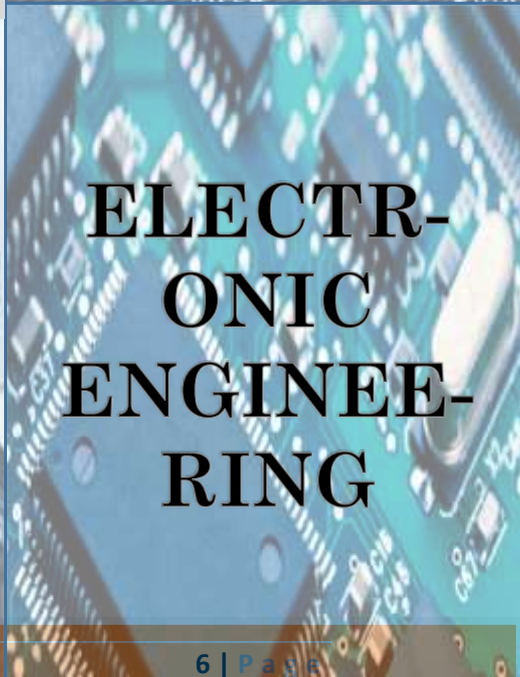
**INFORMATION
TECHNOLOGY
(IT)**



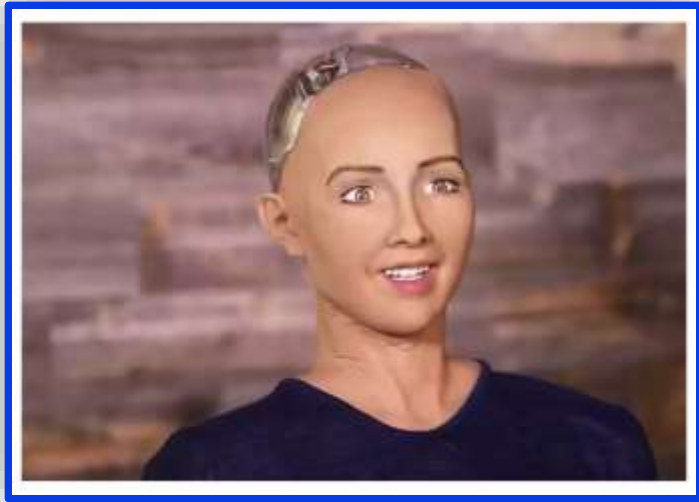
**ELECTRICAL
ENGINEERING**



**PLASTICS
ENGINEERING**



**ELECTRONIC
ENGINEERING**



Humanoid Sophia

It is a social humanoid robot developed by Hong Kong-based Company Hanson Robotics. In October 2017, the robot became a Saudi Arabian citizen, the first robot to receive citizenship of any country.

It defies conventional thinking of what a robot should look like. Designed to look like Audrey Hepburn, Sophia embodies Hepburn's classic beauty: porcelain skin, a slender nose, high cheekbones, an intriguing smile, and deeply expressive eyes that seem to change color with the light.

Her creator is Dr. David Hanson, founder of Hanson After working at Disney as one of its "Imagineers," Dr. Hanson aspired to create genius machines that are smarter than humans and can learn creativity, empathy and compassion—three distinctively human traits Hanson believes must be developed alongside and integrated with artificial intelligence for robots to solve world Problems too complex for humans to solve themselves.

Sophia is Hanson Robotics' latest and most advanced robot. She has also become a media darling, having given numerous interviews to multiple media outlets, sang in a concert, and even graced the cover of one of the top fashion magazines. One of her interviews has generated billions of views and social media interactions. She has also shown her potential in business, having met face-to-face with key decision makers across industries including banking, insurance, auto manufacturing, property development, media and entertainment. In addition, she has appeared onstage as a panel member and presenter in high-level conferences, covering how robotics and artificial intelligence will become a prevalent part of people



lives.

Sophia is an evolving genius machine. Her incredible human likeness, expressiveness, and remarkable story as an awakening robot .Over time, her increasing intelligence and remarkable story will enchant the world and connect with people regardless of age, gender, and culture.

Miss. Swathy Dhanesh IT (1698017)

Digital Transactions



Digital Transaction is a seamless and non-traditional system involving one or more participants, where transactions are effected without the need for cash.

As the needs of investors and financial service users become more complex, there is a demand for effective tools to simplify the processes and transactions carried out by end-users. It is inevitable that financial institutions would have to increase the number of digitized services and offerings, given a rise in the use of automated services. Implementing technology in the financial industry is a necessity for the survival of businesses as customers seek lower cost alternatives to traditional financial services.

Digital Transactions in India

Surge for digital transactions and cashless economy is rising at a high rate in India post demonetization. There was a lot of struggle involved in pushing people to use advanced methods of transacting money. But, money transfers made using mobile banking and IMPS (Immediate Payment Systems) banking through text messages or online banking- showed the highest increase in over 12 months. Mobile banking transactions grew 175% according to an India Spend analysis of Reserve Bank of India (RBI).

Government of India is offering lucrative offers for going cashless:

- Service tax: Waiver of service tax of 15%

- Fuel: 0.75% discount on digital purchase of fuel
- Rail tickets: 0.5% discount on monthly and seasonal suburban railway tickets

Unified Payments Interface (UPI) is a system that powers multiple bank accounts into a single mobile application (of any participating bank), merging several banking features, seamless fund routing & merchant payments into one hood. It also caters to the “Peer to Peer” collect request which can be scheduled and paid as per requirement and convenience. Each Bank provides its own UPI App for Android, Windows and iOS mobile platforms.



About BHIM

BHIM lets you choose your preferred bank, after it has verified your mobile number. You get an SMS, so it’s best to use the same number as the one that’s linked to the bank account. BHIM will ask you to set a 4-digit passcode. Pick something you won’t forget easily because you’ll need the code every time you open the app.

The app will then ask you to select your bank. If your account is UPI activated, it will reflect

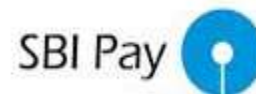
the relevant number. You’ll see options to send and receive money, and transact via IFSC. If UPI is not activated, you can put in six digits of your debit card number, and the expiry date,



after which the app will let you use it.



To send money, type in the mobile number or VPA address. BHIM will verify the payee. Type in the amount, and hit pay. If the payee doesn’t have UPI, tap on the three dots above the send money option. The ACCOUNT + IFSC option will open up, where you can put in the details.



One problem currently is that you can access only one account per mobile number. So, if your number is linked to two accounts, you will have to disable the selected one and go back to the bank selection option.

Benefits:

- Removal of Black Economy
- Increase in Revenues
- Empowerment to People



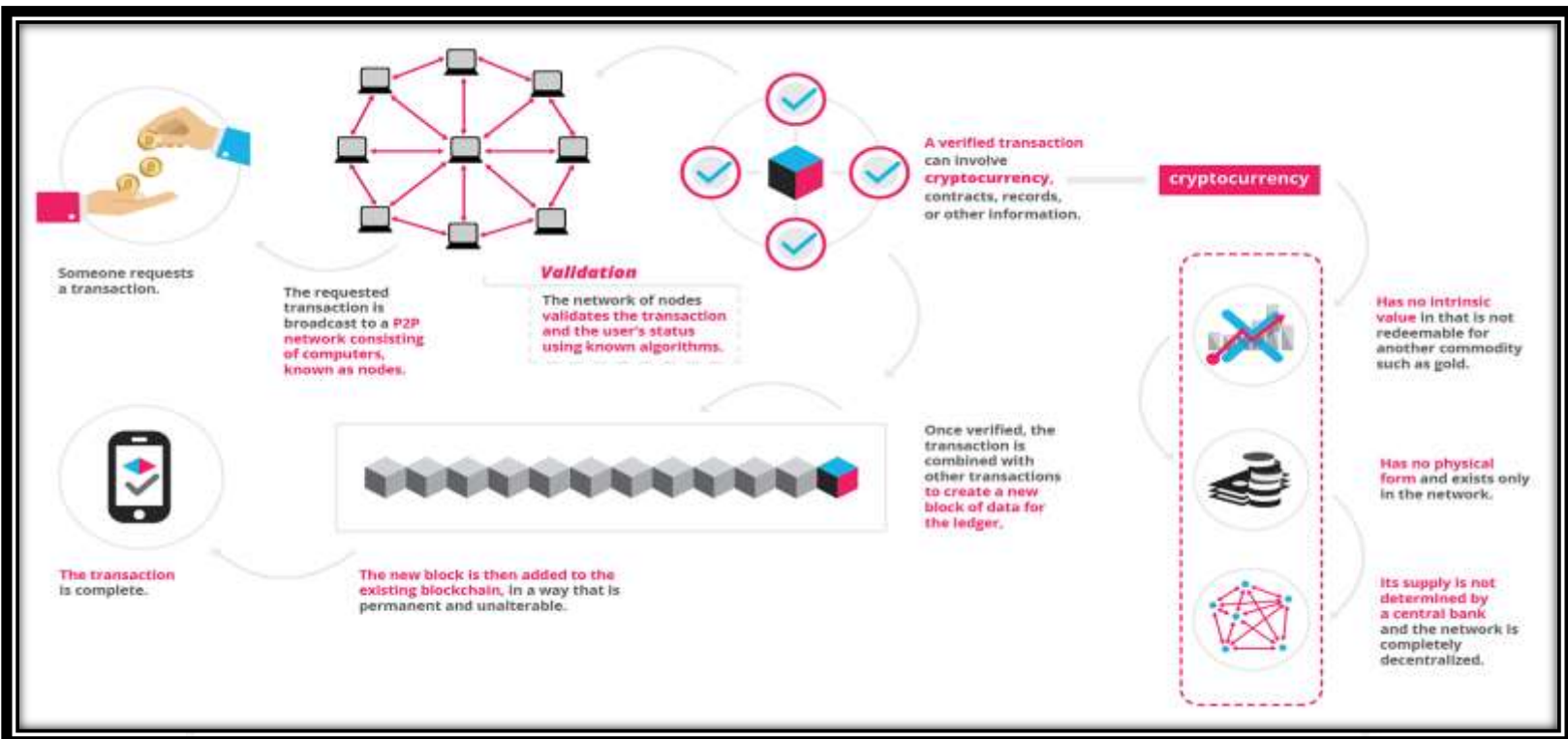
Concerns:

- The main drawbacks to electronic payments are concerns over privacy and the possibility of identity theft.
- Difficult for tech un-savvy people to adapt this.



--Mr. Om Shah IT (1698031)

BLOCKCHAIN



Blockchain is the world's leading software platform for digital assets. Blockchain facilitates secure online transactions. A Blockchain is a decentralized and distributed digital ledger that is used to record transactions across many computers so that the record cannot be altered retroactively without the alteration of all subsequent blocks and the collusion of the network.

Most people automatically associate Blockchain with Bitcoin. In reality, Bitcoin is just a subset of Blockchain — that is, Blockchain is the platform that enables Bitcoin and other crypto currencies to be exchanged.

In its elemental form, Blockchain is a decentralized database system. Ledgers that store

transaction data are distributed across many nodes.

Think of a bank branch as a node. When you visit your local bank and deposit a sum of money, a transaction occurs. The bank verifies the authenticity of the payment, records the transaction, and updates your account.

Whenever you would like to engage in some form of trade and transfer ownership of an asset to another party, both you and the recipient must go through the bank to collectively approve of the transaction. The bank is the only (centralized) database storing your account information — it is a necessary third party for trades to occur. While banks have rules in place to control and govern the handling of money, it is difficult and costly to audit and prevent

manipulation from happening. In essence the current system is slow, prone to errors, and liable to system tampering.

Blockchain removes the need for a third-party intermediary to facilitate transactions of value, while also adding a layer



er of anonymity. When I engage in a transaction, my asset ownership information is already stored under a pseudonym. The network of Blockchain nodes verifies my account, checking to see if my proposed transaction is in fact legal and feasible. When a valid transaction takes place, a series of mathematical principles cryptographically sign the data, providing a permanent stamp of approval. This data is then "hashed" onto the node's ledger, thus forming an immutable "chain" of transaction records.

If I try to engage in fraud, or transfer money that I do not own, the nodes will instantly recognize this and halt the transaction.

The truly disruptive potential of Blockchain lies in its ability to provide a universal truth. When an individual node confirms a transaction, it will then notify every other node in the Blockchain system, leading to every node's database being updated to account for the most recent transaction. This is why Blockchain is often referred to as a distributed ledger system; each node contains the most up-to-date history of transactions. When all nodes in a system are agreeing with each other, there is only one source of truth.

Blockchain is the harbinger of transparency. With all transaction records displayed in public, money laundering and fraudulent activities can be seriously reduced. This may have major implications for corporations and governments, as corruption would easily be exposed. A public ledger truly democratizes knowledge and may lead to more efficient markets.

--Miss. Dhruvi Tahilramani IT (1698036)

DIGITAL TWINS

Quite simply, a digital twin is a virtual model of a process, product or service. This pairing of the virtual and physical worlds allows analysis of data and monitoring of systems to head off problems before they even occur, prevent downtime, develop new opportunities and even plan for the future by using simulations.

Thomas Kaiser, SAP Senior Vice President of IoT, put it this way: **“Digital twins are becoming a business imperative, covering the entire lifecycle of an asset or process and forming the foundation for connected products and services. Companies that fail to respond will be left behind.”**



How does a digital twin work?

Think of a digital twin as a bridge between the physical and digital world.

Digital Twins, the virtual counterparts of the physical assets are created as digitalized duplicates of machines/ equipment or physical sites using sensors. These digital assets can be created even before an asset is built physically. To create a digital twin of any physical asset, the engineers collect and synthesize data from various

Sources including physical data, manufacturing data, operational data and insights from analytics software. All this information along with AI algorithms is integrated into a physics-based virtual model and by applying Analytics into these models we get the relevant insights regarding the physical asset. The consistent flow of data helps in getting the best possible analysis and insights regarding the asset which helps in optimizing the business outcome. Thus the digital twin will act as a live model of the physical equipment.

Pairing technology pioneered in aerospace

NASA was the first to dabble with pairing technology — the precursor to today’s digital twin — as far back as the early days of space exploration.

How do you operate, maintain, or repair systems when you aren’t within physical proximity to them? That was the challenge NASA’s research department had to face when developing systems that would travel beyond the ability to see or monitor physically. And when disaster struck Apollo 13, it was the innovation of mirrored systems still on earth that allowed engineers and astronauts to determine how they could rescue the mission. Today, NASA uses digital twins to develop new recommendations, roadmaps, and next-generation vehicles and aircraft.

Applications of Digital Twins

Digital Twin concept is the next big thing in most of the business sectors, which helps in accurately predicting the current state and future of physical assets by analyzing their digital counter parts. By

Implementing Digital Twins, organizations can gain better insights on product performance, improve customer service and make better operational and strategic decisions based on these insights. We have started seeing the major applications of Digital Twins in the following sectors.

- **Manufacturing:** Digital Twins have a significant impact on the way products are designed manufactured and maintained. It makes manufacturing more efficient and optimized while reducing the throughput times.
- **Automobile:** Digital Twins can be used in the automobile sector for creating the virtual model of a connected vehicle
- **Retail:** Digital twin implementation can play a key role in augmenting the retail customer experience by creating virtual twins for customers and modeling fashions for them on it.
- **Healthcare:** Digital Twins along with data from IoT can play a key role in the health care sector from cost savings to patient monitoring, preventative maintenance and providing personalized health care.
- **Smart Cities:** The smart city planning and implementation with Digital Twins and IoT data helps enhancing economic development, efficient management of resources, reduction

of ecological foot print and increase the overall quality of a citizen's life.

The digital twin model can help city planners and policymakers in the smart city planning by gaining the insights from various sensor networks and intelligent systems. The data from the digital twins help them in arriving at informed decisions regarding the future as well.



- **Industrial IoT:** Industrial firms with digital twin implementation can now monitor, track and control industrial systems digitally. Apart from the operational data, the digital twins capture environmental data such as location, configuration, financial models etc. which helps in predicting the future operations and anomalies

TEACHERS & STAFF ACHIVEMENTS

Computer Engineering:



KRISHNA BHATT

Krishna Bhatt, Geetha S., Rupali Pawar, Sharyu Kadam, Neha More, Priti Bokariya, Pratik Shah attended ISTE approved faculty development programme “ Professional development for technical teachers” organized by



GEETHA S.

Geetha S. successfully completed M.Tech in computer science and technology from SNTD University, Mumbai.

Geetha S. presented and published a research paper “Predicting user goal in personalized web search and improvement using

categorization” IOSR-JCE conference ICC-17 at TCET, Mumbai. SBMP, Mumbai.

Siddhesh Masurkar coordinated faculty development programme “Professional development for technical teachers” organized by SBMP.

Rupali Pawar coordinated “Web Development “workshop at SBMP, Mumbai.

Geetha S. published a research paper “Data mining framework for web search personalization” in IJARCS.

Abhijit Dongaonkar coordinated expert session “Hands on Android Programming”.

Neha More, Rupali Pawar, Priti Bokariya organized candle making workshop under community development programme at Borivali, Mumbai.

Janardan Kulkarni, Abhijit Dongaonkar, Sharyu Kadam, Neha More organized Industrial visit for VIth semester Computer Engineering students at NELCO, Mhape, Navi Mumbai.

Janardan Kulkarni attended seminar on “NBA Accreditation” organized by NITTTR, Bhopal.

Abhijit Dongaonkar attended STTP on “Cyber Security” organized by NASSCOM & DTE at SGGIS, Nanded.

Information Technology:

Mrs. Radhika Patwardhan presented and published research papers on following topics:-



MRS. RADHIKA PATWARDHAN

“Verification of trustworthiness of

users and products based on reviews and recommendations with

various aspects in e-commerce sites” at Thakur college of Engg for Multicon-17.

“Trustworthiness of the users and products based on user reviews on ecommerce sites” in IJARCS.

Mrs. Radhika Patwardhan successfully completed M.Tech in Computer Science and Technology from SNDT University, Mumbai.

Mr. Manish Solanki and **Mrs. Abhilasha More** attended ISTE approved faculty development programme “Professional development for technical teachers” organized by SBMP, Mumbai.



Mrs. Radhika Patwardhan coordinated “Web Development “workshop for V semester at SBMP, Mumbai.

Workshop Session “Hands on Android Programming” has been arranged for V semester IT students by **Mr. Suraj Singh**.

Faculty members of CIT Department has organized candle making workshop under community

development programme at Borivali, Mumbai and coordinated by **Mr. N.G.Kadukar**.



Mrs. N.G.Kadukar, Prachi Arora, Pankaj Rathod and **Manish Solanki** organized Industrial visit for VIth semester IT students at NELCO, Mhape, Navi Mumbai as well as Usha Martine Fiber optic manufacturing and Nil KAMAL at Silvassa .



Swapna Naik and Mr. Manish Solanki attended STTP on “Cyber Security” organized by NASSCOM & DTE at SGGIS, Nanded.

Manthan Kansara, Raj Parekh, Yash Gill developed ONLINE EXAMINATION software with further enhancement under the guidance of Mrs. N.G.Kadukar, with windows as well as Ubuntu platform.

Expert session on Entrepreneurship and digital marketing has been conducted by Mr. Yogesh for V IT students and coordinated by Mrs. Radhika Patwardhan.

Chemical Engineering

Mrs. Jyoti Sangle awarded by National Institute of Technical Teachers Training and Research (NITTTR), Bhopal for participating in a short term training programme of the topic Induction Phase II 22/05/2017 to 02/06/2017 (Two weeks).



Mrs. Sneha Suvarna, Mrs. K.P.Bhave, Mr. Jyoti Sangle and Mr. Nilesh Nagose awarded by ISTE approved Short term training program for participating in a short term training programme of the topic Professional Development for Technical Teachers 15/05/2017 to 20/05/2017 (one weeks).

The chemical Engineering Department, has organized a State Level technical paper presentation competition ‘GYAN 17’ on Friday, March 03, 2017 at college campus at 10 am.





Civil Engineering

Mr. Vinod Vanvari , Mr. K.P.Jayteerth , Mr. Sandeep Ranshur , Ms. Y.K.Soni , Mrs. Supriya Patil, Mrs. Neelam Varpe attended six days faculty development programme on “Professional Development of Technical Teachers” (15th May – 20th May, 2017) under ISTE.

Mr. Vinod Vanvari, Mr. K.P.Jayteerth, Mr. Sandeep Ranshur Mr.A.K.Singh,

Ms. Y.K.Soni, Mrs. Supriya Patil, Mrs. Neelam Varpe organized, delivered expert lecture and attended one week short term training programme on “ Redevelopment of Building & Urban Renewal” (16th Jan – 20th Jan, 2017)

Mr. Sandeep Ranshur “Logical programme in techniques” 5th June – 16th June 2017
Government Polytechnic, Thane

Mrs. Supriya Patil Geospatial technology in civil engineering (23th March, 2017 – 28th March, 2017)TQUIP sponsored at VJT

Mechanical Engineering

Shri V. A.Timbadia received Best Paper Award for a paper entitled “**Design & Development Of A Multi-Purpose Trolley**” presented and published In “International Conference on Sustainable Development In Design & Manufacturing” (ICSDDM-2017) held at Saraswati College Of Engineering, Kharghar, Navi Mumbai, India on 12th& 13th January 2017.

Shri V. A.Timbadia presented and published a paper entitled “**Review on Creativity Techniques for Product Development**” In “International Conference on Sustainable

Development In Design & Manufacturing” (ICSDDM-2017) held at Saraswati College Of Engineering, Kharghar, Navi Mumbai, India on 12th& 13th January 2017.

STUDENT ACHIEVEMENTS

Computer Engineering Students:

Jimil shah and **Neel Patel** presented technical paper “ High performance computing : Evolution, Exploitation & Application “ and won first prize in state level technical paper presentation competition “GYAN-2017” organized by SBMP, Mumbai.

Viral Tagdiwala presented paper “TOR : Future of Anonymity” in IEEE conference INDIACom-2017 at New delhi.

Mitanshu Gada won first prize in C program debugging competition in national level technical fest - NEXTECH'17 at St. Xavier technical Institute, Mumbai.

Amogh Desai presented technical paper “Artificial Neural Network” and won second prize in national level technical fest - NEXTECH'17 at St. Xavier technical Institute, Mumbai.

Manan Doshi and **Yash Shah** presented a technical paper “Tweaking Recommendations using soft computing “ in PRODOLOGY - State level paper presentation organized by VJTI, Mumbai.

Yash Shah, Manan Doshi, Neel Patel and **Aayush Kamdar** participated in coding competition “CODE WARS” in technical fest OSCILLATION-17 organised by Thadomal Sahani Engineering college, Mumbai.

Manan Doshi, Vruddhi Mehta, Aayush Kamdar and **Yash Shah** participated in Bug

Byte – coding competition organized by IETE-TSEC, Mumbai.

Krupa Panchal participated in TSEC Marathon'17 organized by TSEC for fight for hunger foundation, Mumbai.

Amogh Desai presented technical paper “Artificial Neural Network” in IEEE-OMEGA - technical paper presentation competition organized by Atharva college of Engineering, Mumbai.

Jimil Shah, Neel Patel, Heet Savla, Aayush Kamdar, Sakshi More, Ruchi Issac, Vruddhi Mehta, Bhavarth Joshi, Zainab Sheikh,Param Raval, Dhruv Shah,Yash Gandhi, Riya Muni, Manan Doshi, Dhruv Chamaria, Ashi Gala, Bhavya Gosalia, Kenali Desai participated in IEEE-OMEGA – technical paper presentation competition organised by Atharva college of Engineering, Mumbai.



IVth CSE students at IEEE
Omega Technical Paper Presentation

Neel Patel participated in Techfest - “Big Data and Hadoop” organized by IIT, Mumbai.

Neel Patel, Dev Savla, Ruchi Issac, Jimil Shah, Bhavarth Joshi, Raj Joshi, Hrutvik Desai, Aditya Sahani, Aayush Kamdar, Manan Doshi, Yash Shah, Aditya Gidh, Bhavya Parmar, Janmejay Patel participated in “HACK-XPERT” workshop organised by Skynet Secure & Solutions and IETE-TSEC, Mumbai.

Ruchi Issac successfully completed Internship programme from Hexaware Technologies, Mumbai.

Dev Savla successfully completed Internship programme from Kotak Mahindra Technologies, Mumbai.

Yash Shah, Manan Doshi, Neil Patel, Neel Patel, Sakshi More, Vinay Patel, Dhruv Chamaria, Bhavya Gosalia, Yash Gandhi, Ashi Gala, Vruddhi Mehta, Aayush Kamdar, Riya Muni, Kenali Desai, Heet Savla successfully completed technical training programme – “Kaushalya” organised by L &T, Mhape, Navi Mumbai.

Amogh Desai presented technical paper “Artificial Neural Network” and won first prize in state level technical paper presentation at Thadomal Sahani Engineering College, Mumbai.

Parshwa Shah participated in coding competition – VYRO’17 organized by Universal college of Engineering, Mumbai.

Parshwa Shah participated in coding competition – OSCILLATION’17 organized by

Thadomal Sahani college of Engineering, Mumbai.

Om Bheda, Aditya Gidh, Rahil Shah and Taabish Sutriwala participated and won first prize in IEEE-OMEGA –“TREASURE HUNT” organised by Atharva college of Engineering, Mumbai.

Parshwa Shah participated in IEEE-OMEGA “coding competition” organised by Atharva college of Engineering, Mumbai.

Students of IVth semester Computer Engineering organized Project Exhibition on various technical topics belongs to PC Architecture.



IVth CSE students at Project Exhibition

Information Technology Students:

Participation in paper presentation on 'Online Examination' software implementation on 10/03/2017, **Manthan Kansara, Raj Parekh, Yash Gil** at Rajiv Gandhi Institute of Technology, Mumbai & guided by Mrs. N. G. Kadukar.

Participation in project Competition KYROS-ONLINE EXAMINATION software implementation on 17/03/2017 **Manthan Kansara, Raj Parekh, Yash Gil** at Bharati Vidyapeeth Institute of Technology, Mumbai & Coordinated by Mrs. N. G. Kadukar.

Viral Tagdiwala, final year student presented paper "TOR : Future of Anonymity" in IEEE conference INDIACom-2017 at New Delhi under the guidance of Mrs. Swapna Naik.

Parth Panchal has completed the internship at Vision Mechatronics for web development.

Neel Dedhia has completed the internship at Dquip on software development in PHP.

Om Bhojani has completed the internship on mobile app development.

Mechanical Engineering Students:

Shri A. K. Chore, HOD Mechanical Engineering Department, SBMP along with Mechanical Engineering students Prathamesh Satam, Ritik Joshi, Naitik Devgania & Prashant Gudur who won the 1st runner up award in the ISTE approved State level

Inter-disciplinary Technical quiz held at M.H.Saboo Siddik Polytechnic in the academic year 2016-17.



Mechanical Engineering Semester VII students, **Harsh Misrty, Dhaval Bhadreshwara Karan Jajal, Harsh Mehta and Bhavin Shah** have manufactured and assembled an **Automated Packaging machine for Pet bottle** for the company **Milestone plastics Pvt. Ltd, Silvassa** in the month of June 2017.



EXTRA CIRCULAR ACTIVITIES

Information technology (Expert lectures):

An Expert lecture on ‘Security Trends & Techniques’ by **Mr. Nilesh Sapariya** for VI sem IT students on 15/03/2017 coordinated by **Swapna Naik**

Expert lecture on ‘Environmental Studies’ has been conducted by **Mrs. Nidhi Dixit** for the students of II semester IT on 04/03/2017 & coordinated by **Ms. Sharayu Kadam**.

Expert lecture on ‘Pointers, virtual functions and polymorphism’ has been conducted by **Ms. Mansi Dandiwala** for the students of II semester IT on 17/03/2017 & coordinated by **Mrs. Abhilasha More**.

Expert lecture on ‘Complexity of Algorithms’ has been conducted by **Mrs. Neepa Shah** for the students of IV semester IT on 10/02/2017 & coordinated by **Mrs. Radhika Patwardhan**.

Mechanical Engineering

Shri U. M. Kantute, Principal SBMP and **Shri A. D. Bele** Sports Chairman SBMP along with **Harsh Mehta and Team** who secured 1st position in Volleyball tournament at **YUVA Hashtag (Mega sports) 2017** organized by **Shri Vile Parle Kelavani Mandal**.



Shri Ashok Chore, HOD Mechanical Engineering Department, SBMP along with **Harsh Mehta and Team** who secured **2nd position** at **Volleyball Zonal** tournament in 2017 organized by **IEDSSA**.



Harsh Raichura won Bronze medal in the **National Karate-do championship** organized by **Nippon-Budo-Sogo-International India** and is **2rd degree Brown belt**.



Visit to Plumbing Lab, College of Engineering Pune – (7th April, 2017): The students of 4th semester Civil Engineering were able to understand plumbing system with the help of demonstrative lab, live with flowing water. It helped students to understand various types of toilets based on the utilities such as toilets for disable persons, public toilet, residential toilet, hotel toilet, and plumbing in kitchen, toilet with sunken floor and toilet with sealing hung pipes.

Civil Engineering

Survey Project - 20th – 22nd February: The students of 4rd semester Civil Engineering have performed 3 days project of Profile and Leveling and Contouring in the subject of Surveying-I (120114). The project has helped the students to understand the different levels to be taken for calculation of proposed road works and also to prepare the longitudinal section of the same. The project also comprise of a contour survey which enabled the students to take the levels of different points on the surface of the ground and draw the contours at specified interval. Students were also able to predict the nature of the ground from the drawn contour map.





Visit to **Panjrapur, Water Treatment Plant, Panjrapur, Maharashtra**– (6th March, 2017)
The students of 6th semester visit this site in the subject of Environmental Engineering-I (120118), to understand various treatment units for water treatment and also various methods of testing the treated water.



Alumni Meet, Civil Engineering Dept:
Civil engineering department had arranged an Alumni meet on 11th February, 2017. The

aims and objectives of this association have been discussed and same were agreed upon by everyone present there. Mr. Balasaheb Tosarkar, Ms. Urvi Mistry and Mr. Saurabh Amlani were selected as coordinators.



Chemical Engineering

Visit to Central Labour Institute (CLI), Sion:

The students of VI Semester of Chemical Engineering Department along with Mr. M.M. Belwalkar visited to **Central Labour Institute (CLI), Sion**, on the subject of Plant Safety and Loss Prevention. The students were able to understand the safety measures taken during working in process or manufacturing Industry.

Visit to Godrej Industries, Ambernath:

The students of IV Semester of Chemical Engineering Department along with Mrs. Sneha Suvarna & Mr. M.M. Belwalkar, visited to **Godrej Industries, Ambernath**

on the subject of Technology of Organic Chemicals and Products. The students were able to understand the various unit processes and unit operations in soap manufacturing industries.



Visit to Lupin Pharmaceuticals, Tarapur:

The students of II Semester of Chemical Engineering Department along with Mrs. Sneha Suvarna & Mr. Nilesh Nagose visited to **Lupin Pharmaceuticals, Tarapur** on the subject of Technology of Inorganic Chemicals and Products. The students were able to understand the various unit processes and unit operations in pharmaceutical industries.

Guest lecture on “Safety aspects in chemical engg” Speaker: **Shri V.N.Prabhu,**

A guest lecture on “Safety aspects in chemical Engg” was arranged on 20th March, 2017, for the students of VI Semester of Chemical Engineering

Department on subject of Plant Safety and Loss Prevention.

Guest lecture on “Industrial Management & Entrepreneurship”

Speaker: **Shri.Ketan Khant**, Director, Filtra consultants & Engineers Ltd

A guest lecture on ” Industrial Management & Entrepreneurship” was arranged on 30th March 2017,for the students of VI Semester of Chemical Engineering Department.

Guest lecture on “Plant Utilities”

Speaker: **Shri.Ketan Khant**, Director, Filtra consultants & Engineers Ltd

A guest lecture on ” Plant Utilities” was arranged on 21st March 2017,for the students of VI Semester of Chemical Engineering Department.

Plastics Engineering:

Fibre Reinforcement Exhibition-Jan 2017

