MSBTE

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NEWSLETTER
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MSBTE Wishes You A Happy & Prosperous Diwali

Inside...

Theme for the Current Issue :
"Impact of social networking & social networking sites on society"

Hon. Principal Secretary's Visit to MSBTE Office

Principal Secretary, Higher & Technical Education Department, Govt. of Maharashtra, Hon. Shri. Sitaram Kunte's maiden visit to MSBTE office

MSBTE's head office at Mumbai was bestowed with an opportunity to be steered & guided to greater heights with the visit of Hon. Shri. Sitaram Kunte, Principal Secretary, Higher & Technical Education Department, Govt. of Maharashtra on 3rd Sep.2016.

The Principal Secretary was copiously welcomed by Dr. Abhay Wagh, Director MSBTE and Dr. Vinod Mohitkar, Secretary, MSBTE. Hon. Shri. Kunte expressed his desire to have a detailed knowhow of MSBTE's roles and activities.

The Director, MSBTE then presented a power point presentation of the roles and activities of MSBTE. In his 20 minute presentation, the Director highlighted the roles of MSBTE as per Maharashtra Act No.38 of 1997. He also informed the Principal Secretary of the various diploma courses catered to, the design aspects of the curricula, implementation modes, evaluation procedures, conduct of various competitions, patenting, online activities, financial aspects, budgetary allocations, skill development activities and various other new initiatives undertaken by MSBTE. Elaborating of these activities, Dr.Wagh informed of the introduction of inplant training/internship for students, refinement in the process of Regional assessment centers, simplification of online staff approval process, revision of diploma curricula in line with industry demand which is to be implemented from 2017-18 academic year, making creative ground work for skilling of Xth skill development eligible students at various polytechnics,etc.

The Principal Secretary, was pleased at the enormous quality of innovational student educational and development works and assignments that MSBTE has been doing and taking up from the past several years. Expressing his views on technology driven activities, he stressed upon exploration of possibility of storing the vast soft data on the National Academic Depository (NAD) website conceived by Ministry of Human Resources Development, Govt. of India and subsequent use by prospective employers, corporations, Government organizations. Mr. Sitaram Kunte also emphasised the adoption of eLearning modes of teaching and learning on a scale to suit the learners. He advised to reduce the print media documentation and supply and implement e-Resource methods for quicker and effective outputs. The Principal Secretary suggested for adoption of digitalised assessment of answer books which can ease many a hurdles. Pleased with the decision of MSBTE introducing internship for the diploma students, he further stressed upon the need of enhanced involvement of Industry experts in Curriculum design, development, implementation and evaluation so as to get industry ready diploma holders.

The Secretary, MSBTE expressed his profound thanks to Hon. Shri. Sitaram Kunte, Principal Secretary for having spared his valuable time and for his guidance and assured him of greater prospects for MSBTE.

Right to Services at MSBTE- A brief analysis of issued Transcripts

MSBTE has incorporated online services through aaplesarkar.mahaonline.gov.in, an online public service introduced by Government of Maharashtra. Transcript Certificate, Migration Certificate, Duplicate Certificate, Duplicate Mark sheet are the documents that MSBTE issues within certain time schedules. Transcript Certificate is essential for a student who intends to proceed abroad for higher studies, research and job, etc. The statistics of last few years that Transcript certificates issued by MSBTE does speak volumes.

Year	Transcript issued
2013-14	614
2014-15	1300
2015-16	1435
April 16 till Sep. 2016	803

As per them, it is observed that the number of students intending to leave their dwellings to go abroad for future prospects are increasing. The reasons attributed to this can be many. Greater awareness of available opportunities, technological advancements facilitating them, eased modes of communication, increased number of educational/ job facilities. It has also been observed that many of those going abroad, seldom return to serve the interests of their motherland. Yet, we feel proud for them as they make a living for themselves and their family though not for the nation. However, the scenario is changing and changing for the better of both. The several simplified processes, reduction in red-tapism, better transparency and improved opportunities of work and entrepreneurship have made and are making the abroad goers and the gone to rethink and contribute to the development of their motherland. However, the educationists and policy makers, need to ponder as to whether the quality of contents of curricula, implementation and evaluation strategies are some of the reasons other than career craze to fly abroad are the contributing factors.

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Interview of
Hon. Shri. Sitaram Kunte, Principal Secretary, Higher & Technical Education Dept., Govt. of Maharashtra

Sitaram Kunte

Q. 1. How can diploma education be made more lucrative and zenith oriented?

Awareness in urban areas of Maharashtra is on the higher side, thanks to the advent of communication technology and availability of electronic gadgets at affordable prices. However, the rural population is slowly picking up with the advents.

Diploma education presently is not viewed as a terminal course. Many students choose the diploma stream as an entry path to engineering degree later. The rural – urban divide in Maharashtra is amicably wide. The rural mass is yet to abreast the technological wonders available. Communication in the form of mobile phones, etc. has developed deep roots but the facilities, purposes, methodologies and analysis of utilization of the communication devices are yet to be gobbled. The diploma education can be lucrative by few implementing a few needs;

a. The rural children need to be made aware of the available educational opportunities at their doorstep. Proper, timely and effective counselling of students to enable them to decide their future is essential. Conduct of more career fairs in these rural areas is a necessity.

b. Counselling cells for students and parents at institutes / schools need to be established.

c. Counselling camps should be arranged and aptitude tests etc. need to be enhanced.

d. The outcome and reach of diploma level education should be extended so as to reach the unreached.

e. Short films related to diploma education, creativity promotion, future prospects etc. through career fairs, counselling camps be shown and promoted.

f. Publicity through cable broadcasts, programs on TV channels, Scrolls should be increased.

g. Curriculum should be more vibrant practical and industry oriented so as to bridge the gap from the industry need point of view.

h. 'Think Tank' sessions for students should be incorporated with teacher's involvement.

i. Virtual learning should be practiced.

Q. 2. What will be your focus areas in the field of Diploma education in the coming years?

Diploma education should be more pragmatic & focus oriented. The diploma engineer is normally absorbed as a junior level managerial technician. Our focus areas can be;

(a) Improvement of Communication skills in students.

Students of our state lack in oral, written, body language communication skills. It's the fear of committing mistakes whilst talking that students hesitate, to communicate / speak fluently and freely. More concentration on personality development of students through mandatory exercises is the need of the hour. Hence, more focus needs to be towards developing communication skills through debates, group discussions, seminars, teacher – student deliberations, language lab practices, speaking workshops, business correspondence learning sessions. These help the students broaden their horizons.

MSBTE has taken a detour from the normal path of imparting communication skills to diploma students. Language labs have been established, business communication practices and project report writing is being introduced in the curricula.

(b) Entrepreneurship promotion:

Promoting entrepreneurship in the minds of students can help them in becoming independent and develop their ideas so as to put them to practice. Entrepreneurship awareness programs should be arranged at polytechnics by inviting diploma entrepreneurs to share their success stories.

MSBTE perhaps is the only board that has been promoting creativity in diploma students through Project Competition. They have patent published 34 student's projects in two years' time which can be commercialized for the innovators.

(c) Developing a Industry based curricula.

In order to fulfill the demand of industry the quality of curriculum should be enhanced and pruned so that diploma pass outs are job ready. Well before the industry based curricula is in place, MSBTE has taken strides in ensuring that pass outs are industry ready. SAP training programs are being conducted to the students. Spoken Tutorials – a free self-learning software of IIT Mumbai has been introduced and students have been deriving benefits.

(d) Educational Vertical mobility.

Scope of vertical mobility for ITI students, HSC / XIIth passed students should be increased. National Skills Qualification framework (NSQF) organizes qualifications according to a series of levels of knowledge, skills and aptitude. NSQF facilitates Recognition of Prior Learning (RPL) too. The NSQF architecture permits secondary school Grade IX students, vocational pass outs of class X, XII, ITI'S and polytechnics to gain entry into higher vocational/technical courses with 10 levels of learning outcomes. MSBTE conducts vocational diploma courses of 2 year durations for ITI passed students.

(e) Mandatory Internship:

Providing mandatory training / internship for students so as to give them a good exposure and feel of the industry work culture. The curriculum should incorporate the same at all levels.

MSBTE has taken a pioneering step in encouraging internship. It has on pilot basis introduced internship for diploma students after the IVth and Vth semester for a total period of two months. This shall be made mandatory soon.

Q. 3. What are your views about Industry Institution Linkages? How can it be bettered?

Industry Institute Interaction has been one of our top concerns. The stability and adaptability of a professional course pass out for job depends much on the quality of curricula, the implementation techniques, evaluation criteria and above all the involvement of industry in perpetuating them for embedding into the industry environment.

During the last decades much has been talked and said of industry institute interaction. Perhaps, progress is observed but not to the very desired extent. The economy of a country can bloom if the industry performs and for the industry to do so, technical manpower, need to be taken care of.

(a) To achieve equitable, inclusive growth, the industry should bring in transformation through complete program of policy advocacy, knowledge creation centers, knowledge dissemination and on ground model projects.

(b) Educational activities such as trainings, visits etc. should be promoted through CSR funding from industries. Integration of industrial trainings and other inputs from industry with teaching learning process is essential. The interaction develops student's awareness on job functions in the industries, attitude to adopt industrial environment, proper practical and relevant knowledge, skills and competencies etc.

MSBTE has been organizing 75 to 80 faculty training programmes

Interview of

Hon. Shri. Sitaram Kunte, Principal Secretary, Higher & Technical Education Dept., Govt. of Maharashtra (contd. from pg 2)

every year for diploma teachers to enrich their knowledge and keep them abreast with latest industry based technological advancement. Industry expert lectures small industrial projects are being handled by final year diploma students thereby giving them a feel of the industry.

(c) Industry – Institute interaction should be on a larger scale. Institute representatives should attend industry meets, visit industries and secure their expectations from pass outs and work on them to fulfill the same.

(d) Small Scale Industry should interact with faculty of institutes regarding their manufacturing processes and seek technological help from institutes for solutions leading to increased production and better profits.

(e) Industry need to upgrade the technological knowhow of their employees by deputing them to institutes to acquire necessary knowledge for further implementation that shall benefit the industry.

(f) Institutes should survey the local industry and conduct value added courses as continuing education programs with industry collaboration to fulfill the job requirements. It should include emerging framework, robust high quality long-term relations based on two way investments of time and resource through regular discussions and exchange of thoughts on the preparedness of skilled manpower for the workforce.

Q. 4. How can the present technical youth contribute to the economic development of the country?

"India is a sleeping giant, one day it will wake up and attain world glory", said Swami Vivekananda. Skills and knowledge are the engines of the economic growth and social development of any country that can respond more effectively and promptly to changes and opportunities of globalization. Global economy is becoming more knowledge based and demands higher intensity of knowledge and skills to do ones job. Though India's 70% population is below 35 years of age, we are left handicapped as we are armed with very weak and narrow knowledge base and only 12.3% gross enrollment ratio, when compared to developed nations.

Graduates now require the skills beyond the basics of reading, working and arithmetic. Critical thinking, communication, collaboration and creativity are now important for getting more jobs. A huge skill gap on the supply side is to be bridged while on the demand side, there is a need for skill matching and opportunity creation.

In recent years, India has rapidly expanded the capacity of educational institutes through World Bank Project, but dropout rates remain high and educational attainment low. To speed its economic growth and take advantage of its demographic dividend, drastic policy reforms to accelerate skill development has begun and will soon yield fruits.

Today, the firms, industries and producers from the developing countries have become more involved in global value chains, requiring them to meet the global standards of quality output and quality products.

The skilled technicians are now competing in attracting Foreign Direct Investments (FDI) so as to bring advanced technology to be incorporated in our local and domestic industries and expanding trade abroad, thus boosting industrial and economic growth.

The present technical youth should utilize their skills in becoming entrepreneurs. The government has eased the process of setting up Small Scale Industries to the benefit of the youth. Small scale manufacturing units in any organized sector can be set up and trump products manufactured, that can be sustainable in the global market, thus creating wealth for the nation.

Pursuing higher education in the developed countries and later working and settling there, yields revenue to the host nation. After gaining knowledge and experience abroad these technocrats should be prompted to return to set up enterprises, industries, generate employment and earn money and direct revenue for the country.

Q. 5. Are there any employment oriented schemes for the education disoriented youth of the state?

Skills and knowledge are two sides of an educated individual. However, knowledge has no barriers limits for it to be gained and espoused lifelong. With acquiring skills, the human resource stands out with output at its peak of excellence. Acquiring theoretical knowledge and analyzing the same may not be possible for all. However, there are many with inherent skills related to the theoretical aspects of knowledge that can prove to be more helpful to the individuals in seeking employment.

But, the present global scenario of employment isn't a cozy picture to foretell. To counter this, the central and state governments have been releasing many schemes for the education disoriented youth. The government has rolled out and implemented many schemes such as --

Earn and Learn Scheme - for those economically weak but with a strong will to learn, work and earn. Though this scheme, the youth can be absorbed in an industry on the basis of his interest in a particular knowledge domain. He works in the industry for which he is paid a stipend and attends to his education prospects after working hours at the industry or at our institute. He stands to learn the topics inherent to his nature of work at all industry, thus making him a knowledgeable and a skilled human resource. Whilst doing so, he is financially developing to be stable and self-reliant.

Skill development schemes- Skill development schemes have been the pick of the school dropouts with poor economic background. The government has set up skill development centers and so too through private partnership for skilling the youth on short term basis thus enabling there secure jobs or be entrepreneurs.

MSBTE has recently set up Maharashtra Skill Development Center at Ambad as the Hub with its first Skill Development center at Pune. Many trained and skilled students have either secured employment or have become entrepreneurs by setting up their business through on a small scale. The state government has also a Skill development and Entrepreneurship department that has initiated skill development schemes such as Pramod Mahajan Kaushalya Vikas Udhyojakta Abhiyan, Employment Promotion Programme (EPP), and Modular Employment Skill Scheme etc. which the youth can benefit from Artisan to Technocrat scheme that facilitates skilled students to pursue higher education is also in place thus providing vertical mobility up to research levels.

Tribal development scheme- The Central Government and State Governments through Ministry of Tribal affairs have also initiated several scholarship, vocational training schemes for tribals, and reserved category students throughout the country. MSBTE has also been providing scholarships to the meritorious economically weaker students since a decade thus ensuring the students a financial stability during their learning

StartUp India-The Start Up India Action Plan envisages promotion of bank financing for start-up ventures to boost entrepreneurship and encourage job creation. Prestigious Educational Institutes have acknowledge MoU with group of startups who shall establish start up centers, incubation centers in the campus that shall facilitate research and development, innovation, commercialization of innovative products, services etc.

MSBTE NEWSLETTER

Dear Readers,

It gives me immense pleasure to introduce this issue of MSBTE Newsletter to our esteemed readers. This issue is on a topic of mass interest for the young, youth, grownup and the old. It highlights the thoughts, views on theme "Impact of Social Networking & Social Networking Sites on Society".

Dr. Abhay Wagh

Social media or social networking has almost become part of our daily lives and being tossed around over the past few years. Social media is the interaction between groups or individuals in which they produce, share, and sometimes exchange ideas over the internet and in virtual communities. Social networking tools have facilitated creation and exchange of ideas so quickly and widely than the conventional media. Social networking affects our lives in many ways, including our communication, self-expression, bullying, isolations, friendships, and even our sense of humanity. On these networking sites, users normally create pages & post pictures of themselves and their friends who in turn comment on these photos. This concept seems simple enough, but its use is very different and user age dependent.

The impact of social networks on the young is considerably significant. Children are up with mobile devices and interactive social networking sites which has made the social media a vital aspect of their life. Social network is transforming the way in which young people interact with their parents, peers, as well as how they make use of technology.

Online social networks focus on building and reflecting social relationships among people who share interests and/or activities. The ability of social media sites to spread information beyond the capacity of traditional digital media makes them attractive tools for business organizations and individual professionals.

Before the advent of these sites people used communication strategies like newsletters and gossip to discuss about their past and present acquaintances. Social networking sites have enabled status messages and regular updates that enable people to engage in substantial lightweight social surveillance.

Today, social media is about the new Cs: creativity, connection, communication, creation of new ideas and products, culture, community of shared interests, collaboration and the changing the game of competition. Thus, does social networking make us better or worse off as a society?

Social media is a ballast to the ongoing deflation of human lives. Social media's rapid augmentation is a garish, frantic, incipient attempt by people universally to connect with each other in the aspect of all the hindrances that innovation imposes on us: suburbanization that quarantines us from each other, long haul of hours of work and commutes essential to make ends meet, the global scattering of families, and, not the least, the television - the ultimate alienation machine. The social web and mobile technologies have fast-tracked the rate at which interactions develop, information is shared and influence takes a footing.

Teenagers, however, use this new technology in a way that could be dangerous. In this stage of their lives, they care more about their need to impress their peers than mature reasoning.

Social networking therefore has insightful influences on human society that are both beneficial as well as detrimental. The effects of social networking are twofold. Social networks can act as invaluable tools for professionals. They achieve this by assisting young professionals to market their skills and seek business opportunities.

Advantages

1. Social media has not only provided opportunity to know a lot of people in a fast and easy way, but also has helped those who have social or physical mobility restrictions to develop and maintain relations with their friends and families. By sharing likes, dislikes, interests, hobbies etc, people tend to move closer to each other despite the physical distance between them.

2. To enable the sharing of information and make up for the scarcity of information, social media came in very handy to report the news about the affected area on what happened and what service was needed. Social media offer a handy, widely available means for a bi-directional flow of information between the public and the authorities. The different social media channels have become an integral tool in the response of official authorities and the general public to emergency situations. Social media networks are the new 'milk-cartons' in helping to trace missing people. When natural disaster strikes and causes devastating destruction, social media is the ideal vehicle to deliver messages asking for support. Hashtags are created to help net users locate related stories and show their support for those affected by the disaster.

3. Social networking sites are part of modern technology & highly benefit students academically. Students can relate and share with those who have a common interest and ability to make connection with like-minded students, build relationships and communication among them so as to end up building connections and opportunities for their respective careers by updating various topics to discuss. Youth opine that, social media has become their lifestyle and that it makes their lives easier and efficient.

4. Social media steps in to save the day on a regular basis. Ex. Medical help. Digital and social media are not only acceptable for the modern practicing physician, but have become necessary elements for relating to patients and practicing medicine.

5. A conspicuous aspect of social media sites is that a spontaneous burst of protest can be initiated by one individual in a single post and widely shared. Sharing experiences and having one's voice heard on social channels can create a sense of empowerment - of feeling with others past a personal tussle, and more self-reliance in showing a part of the self that might usually remain hidden.

6. The paybacks provided by social network sites have made us better off as a society and as individuals. Subjective evidence of positive outcomes from these technologies such as jobs found are well-known, but now a growing mass of academic research backs this view as well.

7. One can express oneself, showing off favorite song lyrics or post pictures of new outfit. It is a lot harder to feel embarrassed over the internet than in person, so people find it easier to vent their feelings on sites.

8. Social networking sites can assist in coordinating and mobilizing social action. Political figures, organizations and advocacy groups can find supporters very easily with the help of such websites.

9. Use of professional social networks affords researchers and professionals the opportunity to share their work across larger audiences of like-minded professionals. It also fosters the growth of new alliance, and offers a forum for online dialogue among remote colleagues.

While it is true that social networking sites enable us to organize our real world relationships it also adversely affects a person's ability to socialize. The term, Social Networking, has begun to deceive the users to believe they are social creatures.

Disadvantages

1. Difficulty in self-regulation, lack of cognizance of repercussions of privacy compromise and vulnerability to peer pressure are listed as reasons for teenagers' cavalier attitude towards online risks such as sexting, cyberbullying and exposure to inappropriate content as they steer the tricky waters of social media. Posting inappropriate pictures are belittling and damaging reputations. With so many teens using social networking, it has become easier to target one another. Social networks make it worse for the victims.

2. With the constant use of these social technologies, less people are communicating in person. Many people are becoming more isolated due to the lack of personal interaction. It is becoming easier to go through life with less personal confrontations and conversations. The failing of human interaction occurs due to loss of language skills, public speaking and body language reading.

3. The negative effects include loss of face-to-face relationships; nurturing mostly shallow relationships; exposing private information. The internet allows people to silo themselves, limiting their exposure to new ideas; and the internet is being used to provoke xenophobia.

Industry Speak
"Impact of social networking & social networking sites on society"

Swati Pongurlekar

I have accounts on several social network sites and spend a considerable time on posting updates and reading and appreciating other people's posts. I enjoy doing so because in that way I can keep in touch with a lot many friends. Know what they are up to, see their pictures with friends and families and also keep in touch with a long lost school / college friends or distant relatives. Also I can see wonderful pictures and read good thoughts or opinions posted by friends. But is that all?

With social media the businesses can connect with their targeted customers for free within a fraction of a second, the only cost is energy and time. Social sites have also become the most viable and cost effective communication choice for the bloggers, article writers and content creators. Students and experts are able to share and communicate with like-minded people and can ask for the input and opinion on a particular topic.

Also another advantage of social network sites is that it gives a huge platform for people to unite on a social problem or an issue concerning public at large. Creating awareness about a social issue has become so much simpler and faster.

However, social networking sites aren't a wholly positive influence on the world. In fact, if you delve just a little into how they have changed the world, you find there are some potentially negative impacts that these sites have on society as a whole and each of us as individuals.

No real friends: Friend is someone you can hang out with, laugh, pull legs as well as help each other cope with stressful situation in lives or forget family problems for a while. With social networking you may have hundreds and thousands of friends but, when it actually comes to helping each other or sharing personal triumphs or setbacks you may not find anyone to talk to in person. So does social network really help us have friends? Or is it a databank of virtual unrealistic relationships?

Addictive nature of social media: Leisure time activities are meant to relax us and work as stress busters. But social media or network leads to distraction and addiction. Spending countless hours on the social sites can divert the focus and attention from a particular task. It lowers the motivational level of the people, especially of the teenagers and students. They mainly rely on technology and the internet instead of learning the practical knowledge and expertise of the everyday life. It also affects the attention span and concentration.

Increase in crime rate among teenagers: Kids can be greatly affected by these social networking sites if they are allowed to use them without supervision or parental control. Sometimes people share photos on social media that contains violence and sex, which can damage the behavior of kids and teenagers. It put the negative impact on overall society as these kids and teenagers involve themselves in crime related activities.

Breaking up Relationships: Reconnecting with old friends from school may seem a nice idea, and in many ways it is. You have a lot to talk about, stories to tell, and reminiscences to bond over. But you may reconnect with someone you once adored from afar. And now that you're all grown-up you may get the urge to explore feelings that went unrequited 20 or 30 years ago. If you're already in a relationship this could spell disaster.

Self-Centered Attention-Seeking: Some people may constantly post irrelevant stories and life events that do not interest others. They may give elaborate description of their everyday life with pictures. E.g. what they wore or ate today or whom they met. This may make the youngsters extremely self-centered and they would go to any extent to get attention. Some also feel bad if they do not get enough likes from their friends on the posts they broadcast. And to reciprocate to these mutual expectations the likes may be meaningless and people may not want to give their frank and critical feedback in open forum.

Over-Sharing & Loss of Privacy: This is perhaps the biggest impact for the worse that social networking as a whole is having on society. The very concept of privacy seems to be inexorably eroding, and at a fantastic pace. Those of us who are connected to the Internet are connected 24/7, and we have immersed ourselves in an extension of society in which privacy is not treated with the high regard. Many of us share personal information asked by a site. Even with the tight security settings your personal information may leak on the social sites. Downloading your videos or pictures and copying your status is an easy task and can be done within few clicks. This may be useful for advertisers or marketers but hell for us as it can be misused by miscreants to dupe us.

Will any of this make me delete my Facebook and Twitter accounts? Of course not, but it does make me a little more cautious about how & how often, I use them. Social media is not an evil but it is up to us how we use it to our benefit or allow it to control us.

Compiled by Swati Pongurlekar,
Manager, Welfare Department, Larsen and Toubro, Powai

From Director's Desk... (contd.)

4. There is development of some new psychological and medical syndromes that have variations of depression caused by the lack of meaningful quality relationships, creating a new world society.

5. The online personality of a person might be totally different from his/her offline character, causing chaos when the two personalities meet. Their written profiles do not clearly represent their real-life characters. It is more enticing for people to type something that others want to hear than portraying the truth.

6. While on one hand social network sites seems to bring people together and connected on the other hand it creates social isolation leading to a host of emotional, psychological, physical and mental problems which include anxiety, depression and somatic complaints among many others.

7. Nowadays, younger generations have a complete disregard for their own privacy, opening doors to unwelcome predators or stalkers. Much news has been reported about online privacy breach. The networking sites keep our information and continue to use it for data mining even after the user's having deleted their personal information.

8. Encouraging poor spelling and grammar, exposing underage to online slayers, allowing spread of misinformation that is perceived as fact, decreasing productivity. It also reduces command over language use and creative writing skills. Students mostly use slang words or abbreviated forms of words on these sites. They start relying on the computer grammar and spelling.

9. Students are becoming victims of such sites this is because of reason that when they are studying or searching their course material online; they get attracted to these sites to kill the burden in their study time, diverting their attention from their work.

10. Students have started relying more on the information accessible easily on these sites. This reduces their learning and research proficiencies. These sites cause reduction in the students' academic performance and concentration to study well.

11. Treacherous communities that support self-harm activities, such as anorexia, drug use and other disruptive concepts are also serious snags.

Social technologies never have foreseeable and absolute positive or negative effects, which is why social scientists fear questions like these. In considering the effects of social network sites, it is clear that there are many challenges to work through -- the increasing commercialization of this space, the need to construct strong privacy protections for users, and safety issues -- but I believe the benefits we receive as a society provided by these tools definitely far outweigh the menaces.

Wishing all the readers a Happy Diwali & Prosperous New Year.

Dr. Abhay Wagh
Director, MSBTE, Mumbai

Success Story of "Autonomous Polytechnic"

The Agnel Fathers with a view of providing the supervisory manpower competent enough to meet the needs of shops floor production and to face the practical production problems with confidence started Agnel Technical College in the year 1969.

Agnel Technical College runs niche course as Diploma in Production Engineering, Post diploma and Advanced diploma in allied subjects. We have strong Machine shop and CNC, CAD, CAM facility. Agnel College is one of the pioneer of the concept of in plant training.

Institute began a full time 4 1/2 years Diploma course in Production Engineering (Sandwich Pattern) with an intake of 60 students. Students were trained for two semesters intensively in industries. From 2010, due to changed industry scenario, the course was converted to three years.

Due to continuous excellence achieved by the College, Academic Autonomy was granted by the Government of Maharashtra in 1987.

Success story:

- More than 3000 students passed out, around 1700 passed after autonomy.

- Students are placed in leading industries like Larsen & Toubro, Mahindra & Mahindra, Godrej, Tata Steel, RayChem (RPG) , Pam Pharma, Tata motors, Siemens, Prabha Engineering, Wirecom, Mutual Plast, and several other industries. The students are also in IT industries, like Infosys, TCS, and also working in ERP, SCM and Many of them are at the position of GM, DGM, etc.

- Several students took higher education in India and abroad and have done well in the specialized area of Industrial Engineering.

- The college has B.O.S. and Governing body with strong industry representatives from L & T, Blue star, Jindal, Crompton Greaves, etc. Thereby, Syllabus gets very valid inputs and is regularly modified. The present scheme is 2015 Scheme.

- Several students started their own business in Production & also in IT and other fields.

- The college got accreditation in 2005 from NBA.

- NITTTR has acknowledged time and again our contribution in Community development through Polytechnic.

- We have initiated several things in Skilling India project and have number of satellite centres in Mumbai and Thane district. The model of Industry tie ups and interactions is unique in this mode.

- The college principal has been part of some industry training projects like Sundaram Fasteners, Essar, Tata and Indian Railways. He is also part of MSBTE latest syllabus making team for Production Engineering.

Proud moment:

We are proud to be associated with making of India's first satellite Aryabhatta and also making several critical parts for leading industries. Recently we made automobile parts for a handicapped driver auto model which is cleared by respective authorities.

Insight:

Students get insight in key subjects like Jigs & Fixtures, CAD, CAM,

CNC, Manufacturing Processes, Process planning, GD & T, Die design, etc. Due to autonomy we could introduce these core subjects in details and gave emphasis on hands on training. Engineering Metallurgy, Production Management, Industrial engineering, process Planning and Tool Design, Machine Design, CAD CAM, Costing and Finance, are some of the subjects in the course.

Facilities:

We are very proud of the following machines and facilities which are adding value to the course: Deckle Universal Jig Boring Machine, Single Spindle Automates, 3D- Pantograph Engrave, Electro Spark Erosion Machine, Tool and Cutter Grinder, Vertical Milling Machine with Digital Read –Out, CNC Milling and Turning, TIG Welding Unit, MIG Welding Unit, Twist Drill Grinder, Lathes, Surface Grinder, Solid works 3D software, Vertical Trimos, Optical Dividing Head, Digimatic Micrometer, Thread Micrometers, etc. The college had a distinction of having a Production center to supply parts to industry. The campus has full-fledged center for welding, and also a training in automobile, A/c, carpentry, etc. The college also has in the same campus ITI and Degree College, thus students get a rare opportunity to see end to end knowledge stream from skill training to higher knowledge training. This blend of training, testing and making actual working parts for industry gives the institute a unique advantage and with autonomy. Students get to know about following: Development of knowledge of tooling process, Analysis and control, Understanding of Machine Capability, Loading of Jobs, Quality Control, Estimation of Costing, Development of skill and attitude to take responsibilities on the shop floor, willingness to confront and resolve problems, Confidence to supervise and control the workers, work with own hands, Develop leadership qualities and improvement etc.

Skill Development: CDTP

Objective of the Community Development through Polytechnic (CDTP) program in collaboration with other sister concerns is to provide employable skills to school drop outs in order to get gainful employment. Therefore, there is need to open many more training centers in the rural/urban area with the participation of local people, NGO's, Trusts & Corporates to encourage these underprivileged, drop out youths to come forward for imparting manpower training. Skill development is done in sectors like Electrician, Fitter, Welder, Motor Mechanic, Two Three Wheeler Mechanic, Refrigeration & Air Conditioning Mechanic, Plumber, Marine Fitter, Safety Supervisor, Professional Beautician, Fashion Designing & Dress Making, Computer Hardware & Networking, Information Technology, B. P. O. (Non-Voice), Mechanical Draughtsman with Auto CAD, Typing - Marathi and English, MS Office, DTP, etc. To fulfill this objective Fr. Agnel management has established 11 extension centers in Thane & Mumbai.

Affiliation to Maharashtra State Skill Development Society (MSSDS) for imparting Training Modular Employable Skill Courses under Skill Development Initiative Scheme, Affiliation to various Sector Skill Councils, Partnership with National Skill Development Corporation Aligning our Curriculum with the Qualification Packs of Respective Sector Skill Council and developing Course ware.

Faculty Speak

Man needs to interact, share ideas, thoughts, emotions and disseminate information with the people and get love, belongingness and recognition in the society. With the advent of social networking sites (SNS), from a small child to professionals, all are able to develop and maintain contacts and communicate with like minded people not only in real world but also in virtual world.

Aruna Kademani

It is observed that teens use Face book the maximum for their studies, entertainment and also to kill the time. Due to time constraint, professionals like politicians, scientists, teachers, businessmen etc. can reach the public of their interest through twitter, blogs in a fraction of the second to convey and discuss the events, creative ideas, suggestions, etc. The exchange of information, skills through SNS not only saves the time but also increases the productivity and helps in the progress of the society. The best example is our Hon'ble PM Shri Narendra Modi who is reaching out to the people through twitter to convey upcoming projects, growth of India as well as for greetings.

Although SNS is a powerful technology and is a boon to the society, it becomes a bane if not used wisely. The youths are becoming victims of SNS because of their haste and unmindful actions. For want of quick recognition and increasing their friends list, people accept and post their personal data which might land them in danger. Youths are the easy targets of terrorist groups who can be indoctrinated easily for extremist activities. Cyber Bullying is another worst part of SNS among youth. Like any other technology and developments, SNS a powerful technology and has a lot of positive impact on society provided it is used with care and responsibility.

Aruna B. Kademani
Lecturer, Dr. D.Y. Patil Polytechnic,
Navi Mumbai

I have accounts on several social networking sites, and spend far too long on them writing my own updates and reading the updates of others. I enjoy doing so, being able to interact online in a controlled environment. For someone who works at home, this is a big positive point.

H A Deoda

Social networking is a topic that divides opinion - some people think it's an amazing tool but others are worried about the impact it has on people's lives. From students to journalists, lot many people use social media sites for both work and pleasure.

Social networking has lots of good points, one can express oneself, showing off favorite song lyrics or posting pictures of new outfit. It is a lot harder to feel embarrassment over the internet than in person, so people find it easier to vent their feelings on sites. It also makes it a lot easier to keep in touch with family and friends, especially if they live far away.

Not everyone in the 21st century thinks about the negative effects of having social networking accounts - but simple things like not setting your privacy settings properly or liking someone's photo can have bad results. Cyber bullying can be a problem as people can take advantage of the fact that there is no one who can effectively stop the bullying. The only way for a bully to be stopped is they are to be reported and victims may be too intimidated to do it. Social networking can also ruin relationships as people may get jealous with other people. It can also be a waste of time as people can visit a site to check on thing and end up spending the whole day 'behind the screen' and as a result, not doing anything useful with their lives.

Prof. H A Deoda,
Civil Engg., G.H. Raisoni Polytechnic,
Amravati.

Social Networking Sites are the internet-based social spaces designed to facilitate communication, collaboration & content sharing across networks of contacts. They are simple online services helping people to manage, build & represent themselves on the newer heights. In fact most of the people use it for countless activities which is about to bring a fall in their lives. These sites are currently used

Shaziya Pathan

regularly by millions of people, especially among college students. It also helps people to learn something new daily & get updated with news from all over.

The most important thing about Social Networking Sites is that happenings are so fast that success or failure is bound to stay with you for a while. It doesn't give you time even to catch yourself before you fall. Some says it's all about gaining the attraction of people but getting addicted to such those activities can move them to instant failure which will difficult to deal with or just stop the life as no more the key of life will be on the hand of a person. On the same hand, it is actually useful method of communication as well as a boon for knowledge seekers. With the help of social sites it's very easy today to get opinion polls and views of citizen which has great importance in Indian democracy. So overall social networking is good and can overshadow its negative impact.

Prof. Shaziya Pathan
Lecturer, NIT Polytechnic, Nagpur

Social Networking is a type of virtual communication that allows people to connect with each other. This concept arises from basic need of human beings to stay together in groups forming community. It's an online platform that focuses on building and reflecting social relations among people who share interests and activities.

Sanap Mangesh D.

Through Social Networking people can use networks of online friends and group memberships to keep in touch with current friends, reconnect with old friends and create virtual friendship. Sharing same interests and views, discussion on database topics, news articles are the most common topics on these Social Networking Sites. In addition to blogs and forum, members can express themselves by designing their profile page to reflect their personality. Today many employers look online profile before giving the job offer.

There are number of SNS available now a days where in users are increasing leaps and bounds. Now there is a sort of competition among the youths to pose themselves as most favorite person on internet. But growing popularity of social networking sites among the internet users demands an introspection of personal networking sites. SNS becomes a reason for anxiety and addiction. It starts affecting personal relationship with spouse and family members. Such sites make private life and public life of an individual a digital document. People are going public and viewing wall posts, status updates, and tweets. One side these sites provide to be in touch with our dear ones and on the other side it creates platform for many cyber-crimes.

Everything in the world can be used for a bad purpose as well as for good. It's us who can make the difference and utilize social Networking Sites wisely for benefit of developing social bonds across the geographical borders.

Sanap Mangesh D.
HOD Comp Dept.
Matoshri Aasarabai Polytechnic, Nashik

Theme for the Next Issue :
"Professional courses vs Conventional courses- The present scenario!

"Impact of social networking & social networking sites on society"

Vaishabh Sapat

Now-a day's social networking sites are most important for daily life. By using social networking sites such as face book, twitter, WhatsApp etc., people make thousands of friends. Social networking site is also important for telecasting an advertising of various programs etc. Social networking is a tool used by people all around the world. Its purpose is to promote and aid communication. We can share our feelings and our mental stresses and it is a great way to entertain our self after a busy routine

Vaishabh Sapat
Civil Engg.,TGPCET,Nagpur

Megha Bhujade

Times have transformed after the advent of the internet. We live in a world where contacting someone, sharing our thoughts as well as our emotions is just one click away. Social networking sites are now available to one's immediate social needs. These networking sites have made it possible for us to chat with friends who live in distant places as well as share with them pictures and videos of whatever we are up to instantly. Today's teenagers do have a Gmail, a Facebook, a Yahoo, or a Twitter account which they use to keep in touch with friends, to express or share what they have in mind and to use for school-related purposes. No doubt, Social Networking Sites are of great help in the youth's daily life.

These networks not only allow communication between friends or family, but also allow us to meet new peoples. By this one's social circle also expands.

But I think that, these types of technologies might be doing more harm than good.

We, however use this technology in a way that could be dangerous. In this stage of our lives we generally post interesting post to gain popularity. For the young, nowadays comments on their posts mean more than actual words. They waste their time by involving in all such stuff rather than using such networks in a positive way.

On other side, due to these technologies, less people are communicating in person. Many people get isolated due to lack of personal interaction as it is easier to go through life with less personal conversations.

Social networking affects our lives in many ways including communication, self-respect, bullying, friendship and even our own self humanity. The effects of social networking are twofold.

On the positive side, social networking has lots of good points. People can interact with each other, distance doesn't matter. It helps to keep in touch with family, friends who live far away from us. By this we can share our feelings and our mantel stresses. Also, it is a great way to entertain you after a busy schedule. Sometimes, social networking is also helpful for business. Business man posts add by which people get attracted towards their products. Some companies assist young professionals to market with the help of social networking sites.

While many businesses use social networking sites to find and communicate with clients, the sites can also prove a great distraction to employees who may show more interest in what their friends are posting than in their work tasks.

Social Networking Sites can benefit us in numerous ways and that it can make life easier for us; however, we should keep in mind that everything in life should be taken in moderation. We should always set our priorities straight and remember that despite being given all that we need, a little extra work wouldn't do us harm.

So, I found social networking site useful also and a waste of time as well. However, it has positive and negative effects which depend on how a person will utilize it.

Megha M. Bhujade
SY,CO Matoshri Aasarabai Polytechnic, Nashik

Pratiksha Raut

There are so many networking sites available on the internet, today. Just like Tweeter, Facebook, what's up, etc. are the some popular sites available everywhere some people use these sites very well for good purpose and some use it for bad purpose. These sites are very useful but it also harms the people and addict the people. It is just like coin, one side is about good things and other side is about bad things.

There are uncountable advantages and disadvantages of Social Networking Sites such as, we have to express our thoughts about any incident or any political decision we can express on tweeter and people read it and appreciate our thinking. It is very popular, cost free and interesting way to express our thoughts. Youngsters are attracted to Facebook and WhatsApp which increase day by day. We can make friends & can talk to any person living abroad and get information about place. Every user of this Facebook has more than 100 friends. From that we can think how Facebook is popular. Now I have to turn on disadvantages of Social Networking sites such as, addiction of different types of sites is very dangerous for users. They can't leave their mobiles, i-pads, i-phones, pc, etc. from their hands. They got some physical disadvantage is time wasting, when we chatting with our friends we ignore how much time we spend there as we waste so much money. And main or important problem/disadvantage are hackers. They hack our Facebook, Tweeter and what's up accounts. Sometimes it will be very mischievous.

So, safely use the social networking sites and always be aware from hackers and never share your password with anyone. All the social sites made for making our life easy. It's depends on you. How you will use it.

Raut Pratiksha Santosh
F.Y.C.O., Yashwantrao Chavan Polytechnic,Beed

Rahul Patil

Social networking sites have turned the outlook of entire world.

Facebook takes the major part of cake it has about 1.71 billion monthly active users which is 15present increase year over year on the other side there are 83 million fake profiles, 50% of 18-24 years old go on Facebook when they wake up this signs are not at all good for the society. No doubt in some cases this has contributed to Internet Addiction, but they on the whole have a positive effect in our lives? Some believe that the benefits provided by social networking sites such as Facebook have made us better off as a society and as individuals, and that, as they continue to be adopted by more diverse populations we will see an increase in their utility.

LinkedIn has helped people to find new jobs interact with highly skillful employees it's a Paradise for entrepreneurs and starters.

The social networking sites are at very basic level & they help you to stay in contact with people especially for example friend from home while you're away at a University they allow you to celebrate and remember past experiences. The social networking sites create a virtual world with the opportunities for making friends, chatting, sharing moments. However, the above said depicts only one side of the coin. We have heard about numerous nursing morphing cases of photographs.

Also, most of the information put on social networking sites is fake while going through these information's we feel annoyed on one hand and we develop the same habit. This way it adds negatively to socio-psychological behavior of human. The Social values are vanishing.

But according to the statistics 83% of population is on the positive side of the networking sites. In fact, it all depends on an individual how he or she is using it.

Rahul Patil
Thakur Polytechnic, Mumbai

Student's Creativity for Societal needs

Badakh D.B.   **Sonawane S.J.**   **Kharde P. M.**

A group of three students of Mechanical Engineering of Padmashri Dr.Vitthalrao Vikhe Patil Institute of Technology & Engineering, (Polytechnic) Pravaranagar last year did their final year project for helping the farmers for milking the cows and buffaloes by developing simple, cost effective and manually operated milking machine. The project won the first prize Rs.75000 and a trophy at the state level project exhibition at Government Polytechnic, Dhule organized by MSBTE. Back at home this achievement of students was given wide publicity through local newspapers. This created curiosity amongst the farmers and they started enquiring for the innovative machine developed by the students. By the time students finished their final year examination, there were around 150 enquiries for purchase of the machine. This promoted the group of the students to think seriously about manufacturing of the machine commercially. As an outcome of this, presently these students have started production of above simple manually operated milking machine on their own and immerging as a successful entrepreneur.

► **Problem addressed:**

a. Issues faced by farmers-

Safe and speedy milking of cows/buffaloes is a requirement across rural India, due to scarcity of skilled labor for milking and non-affordable power machines. On the other hand it is the fact that milking by hand is not considered healthy or hygienic anymore.

b. Hardships faced -

Fund availability was the main problem faced by the students while making the model. So students overcame this by adopting the parts from scrap (vacuum cylinder, teat adapters, frame fabrication, fiber can). Further modifications and changes were done from the amount won in the prizes.

The lack of fabrication knowledge and facilities required was a hindrance. So students got help from the local fabricators to fabricate supporting frame, by paying minor charges.

► **Product:**

Students made a "Simple Manually Operated Milking Machine" that helps small farmers to milk animal hygienically and reduce the drudgery in the process. The production of simple milking machine has started commercially by the students & is fabricated at their own workshop.

► **Technical Specifications:**

The machine is available in following three variants. All these models are made from Food Grade Stainless Steel material, Cluster assembly, teat adapters, silicon rubber teat liners, transparent pipe for milk and vacuum. In these entire models, the vacuum level required for milking is 350 mm of Hg. These are available in 10 liters and 20 liters capacity. They do not require electricity for functioning. The model wise technical details are also as below.

Model: (a) Simple Hand Pump Operated Milking Machine- 7.5 kg weight with one reciprocating vacuum pump linked to a handle for manual back and forth operation and can milk one animal at a time. Price: Rs.9500/-

Model:(b) Simple Foot Pedal Operated Milking Machine- 8kg weight with one reciprocating vacuum pump linked to a foot pedal for manual back and forth operation and can milk one animal at a time. Price: Rs.10000/-

Model:(c) Multi Cylinder See-Saw Operated Milking Machine- 12kg weight with two Control blocks with vacuum gauge operation, two cans 20 liters each and can milk two animals at a time. Price: Rs.16000/-

► **Key Competitive Advantages:**

- The average time of milking is 4-6 minutes per cow.
- Easy to operate , Saves time and effort in milking (1.5 liters to 2 liters per minute)
- Hygienic and complete milking.
- Machine is easily adaptable and gives soothing feeling to the cow Machine runs smoothly for 8 - 9 years.
- Energy-conserving as electricity is not required.

Hand operated milking machine model is getting very good response from the small farmers and more than 30 units have been sold out. Also 108 bookings have been registered. So a higher turnover is expected. Manufacturing of multi-cylinder model is in progress as per the demand of farmers having more than 6 cows/buffaloes. The total manufacturing is at domestic level only with no external manpower.
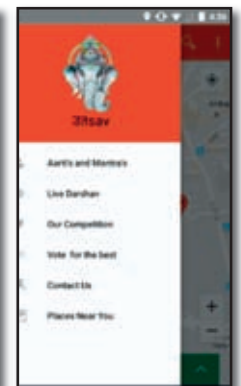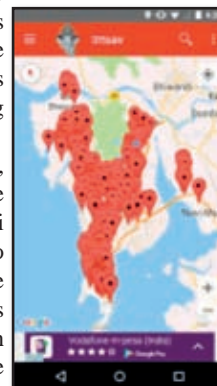
Devotional Creativity

Bhavin Goswami

A Third Year Computer Technology student Mr. Bhavin Goswami of Shah & Anchor Kutchhi Polytechnic, Chembur, Mumbai, has developed & launched a unique android app named as "Ganesh Utsav Mumbai, 2016" which is available free for all devotees of Lord Ganesha. Most of devotees who travel across the city to visit and pray to various local groups who organise and celebrate 10 days of Ganesh-utsav this app is no less than a boon. The app is uploaded on Google play and can be directly downloaded from google play store with keyword as Ganesh Utsav Mumbai, 2016 by Bhavin Goswami.

The App consists of many modules like, Aartis, live streaming of various Lords including Siddhivinayak, Dagdu Sheth Halwai, Shree Somnath, Shree Mahakal, Shree Kashi Vishwanath etc. Also a devotee can route himself towards his desirous Ganesh Mandal via Google Map.

"The future belongs to Social Media. It is egalitarian and inclusive. Social Media is not about any country, any language, any colour, any community, but it is about human values and that is the underlying link binding humanity."

-Narendra Modi.

Outcome Based Curriculum Development: MSBTE's Initiative

OBE:- Presently, many educational organizations, universities and state boards have initiated the process of curriculum development after notification of AICTE for mandatory accreditation of programmes from NBA (National Board of Accreditation, New Delhi). MSBTE, being the apex authority to implement and monitor the standards of diploma level education throughout the state of Maharashtra, has taken the initiative to revise all its engineering diploma curricula on the Outcome Base Education (OBE) patterns advocated by NBA.

From Traditional to Outcome-Based Education: - The traditional approach of curriculum development is focused on student learning (in the form of Knowledge, Skills and Attitude) and viewed as input part of learning process, whilst the Outcome Base Education is associated with specific context and deals with input as well as outcomes too. Outcome Base Education(OBE), speaks in terms of "Programme Educational Outcome" (PEOs), "Program Outcome" (POs), "Programme Specific Outcome" (PSOs) "Course Outcome" (Cos) and "Learning Outcome" (LOs).

Outcome and OBE: - An outcome is a culminating demonstration of the entire range of learning experiences received by the learner In simple words; outcome is an act of learner, based on acquired learning, exhibited in a specific given context. Thus it clearly reveals that an outcome is not merely the name of the learning content or a concept, or a competence, grade or test score – but an actual demonstration in an authentic context. As outcomes involve actual doing, it must be defined according to the actions, hence while defining outcome, action verbs are used like "State", "List" "Explain", instead of making use of verbs like "Understanding" "Know" etc.

The Outcome Based Education (OBE) has a clear focus on significant learning outcomes that are stated clearly and unambiguously. In OBE Pattern, the student outcomes at different levels are listed. The hierarchy of outcome starts from PEOs to LOs. i.e. from Programme Education Outcome to Learning Outcome as mentioned above.

The curriculum and instructional design are derived from these Learning Outcomes. Assessment is an integral component of OBE for assessment of learner and learner's application of knowledge is tested in authentic and contextual situation.

In short OBE curriculum approach starts from, "What is important for learners to do after completing the program/course and then develop the program/course contents, its implementation and assessment criterion to ensure that learning has taken place". Thus outcomes-based approach to education requires two major conditions, first to develop set of program/course outcome and second to facilitate by establishing conditions and opportunities to enable learners to achieve these outcomes.

MSBTE's Activity of Curriculum Development:- MSBTE along with a team of senior & experienced polytechnic faculties from the state have initiated the OBE curriculum development process. Separate appointments of Education Consultant and Industry Consultant are made for continuous guidance during each curriculum development workshop. The programme-wise competency questionnaires for industry and pass outs students were developed for all engineering diploma programmes and key content areas are decided on the basis of feedback received from industry and pass-outs.

MSBTE, along with education consultants have decided the proforma for representation of structures and detail contents for each course. The salient features of proforma for representation of structure and curriculum contents are also finalized.

Programme Structure:- The programme structures proforma contains Programme Educational Objectives (PEOs), Programme Outcome (POs), Programme Specific Outcome (PSOs), Teaching & Examination Scheme with details of marks, credits and weekly academic load. Marks for ESE (End Semester Examination) and PA (Progressive Assessment).

Curriculum Contents of Course : - The proforma for detail contents includes Rationale, Major Competency, Course Outcome.(COs) ,Teaching & Examination Scheme, Course Map, Practical Exercises. Equipment/instruments required followed by Theory Components, Specification Table, Students Activities, Special Instructional Strategies. Micro-projects. Learning Resources Programme Outcomes (PO)—Competency—Course Outcome (CO) Mapping.

While developing the contents, focus is kept on outcome then learning experiences required to achieve these outcome are considered and finally contents are decided which will facilitate to design these learning experiences for students, for enabling them to achieve these outcomes. This is referred as designed down approach from outcome to contents.

The brains behind the curricula revision with Dr. Abhay Wagh Director, MSBTE

Dr.Abhay Wagh interacting with the faculty experts at a session at GPDL, Pune

Compatibility with NBA Norms:- In near future, accreditation from NBA shall be mandatory and hence the programme and course curriculum are designed keeping in mind the norms of accreditation as advocated by NBA. Enough care has been taken to help every affiliated institution of MSBTE in making preparation for NBA accreditation.

Role of Teacher in OBE Curriculum: - Outcome and OBE principles are the two guiding factors for teachers in OBE pattern curriculum implementation. The designed outcome will guide teacher about "What to teach?" while OBE Principles will direct them about "How to teach?"

The OBE highlights the first function by stating the outcomes and second one by recommending the use of appropriate methods, techniques, learning experiences and demonstrations to ensure perfect achievement of these outcomes.

MSBTE's Academic Monitoring (KPI-Norms NBA Compatible):- Academic monitoring is an important activity of MSBTE to ensure uniform curriculum implementation throughout the state. MSBTE uses its own specially designed instrument [KPI-Norms-Key Performance Indicators Norms] for conducting academic monitoring of all affiliated institutions. These KPI norms are now revised based on the NBA criterion and the first academic monitoring of all institutions in current academic year is carried out using revised KPI norms. This is an important initiative from MSBTE for preparing its affiliated institutions to step ahead for NBA accreditation.

Techno buzz

World's Longest Tunnel

Gotthard Base Tunnel and world's deepest railway tunnel in the Swiss Alps was inaugurated after taking 17 long years to complete at a cost of 11 billion Euros and measuring 35 miles. The tunnel is the longest and most expensive tunnel ever built. The tunnel was hailed as a marvel of ecological engineering that will help to preserve the environment of the Alps. The tunnel runs 2.3 kms under the Swiss Alps at its deepest point. The construction engineers had to dig and blast through 73 different kinds of rocks that evacuated 28m tones to create 4,000,000 cubic meters of concrete used to create this engineering marvel. All it took was the non-stop hard work by 125 labourers, in rotating three shifts that took 43,800 hours of nonstop work to lay the tunnels slab track. The number of trains that will transit through the tunnel are 260 freight trains and 65 passenger trains.

See through the Objects with your Phone

The PhD Graduates at Texas university have designed a chip that could give smartphones ability to see through walls, clothes or other objects. A team at University of Texas at Dallas tuned a small, inexpensive microchip to discern a "terahertz" band of the electromagnetic spectrum.

The design is a combination of CMOS and terahertz chipset, put at the back of your cellphone, turning the device in your hand into a scanner. The design s simple Metal-Oxide Semiconductor technology behind processors commonly found in personal computers, smartphones, televisions and video game consoles. The combination of CMOS and terahertz means you could put this chip and a transmitter on the back of a cell phone, turning it into a device carried in your pocket that can see through objects. The terahertz band has wavelengths that fall between microwaves used for mobile phone signals and infrared that is employed for night vision goggles.

Craziest Keyboard

The keyboard that allows all the applications shortcuts as required by the application.

The customization helps you even add your own icons and images on the keyboard keys. This helps remove the burden of remembering all the shortcuts that we need to implement and working of any application software. The amazing part of the keyboard is when not connected to the device for any application functioning it's just a black blank keyboard. The keyboard has driven lot of attention from the creative designers as it helps with the various shortcuts on the key display rather than searching on the application. The keyboard provides an attractive and creative way to work.

Cellphone app to diagnose Lung Ailment

The sudden attack of breathlessness, and the emergency need of the doctor, is completed by the app developed jointly by researchers from the US-based Massachusetts Institute of Technology (MIT) and a team of lung experts from the Pune-based Chest Research Foundation.

The low-cost application can record, store and automatically identify lung sound using a microphone connected to a smartphone. The application requires a stethoscope that can be connected to a smartphone. At a later stage, one may just have to place the cell phone's microphone close to the patient's chest, record the sound and get the diagnosis.

3D-Printed Gadget Lets Kids Turn Smartphone into Microscope

A 3D-printed smartphone microscope system is making microbiology interactive by allowing schoolkids to experiment and play games with light-seeking microbes. The so-called LudusScope borrows its name from the Latin word "ludus," which means "play," "game" or "elementary school." The device is a look alike to a standard microscope, but can be docked with a smartphone and features LED lights controlled with a joystick. Students use these to influence the swimming direction of Euglena microbes, which exhibit characteristics of both plants and animals because they feed like animals but photosynthesize like plants.

"Status now is not whether you are awake or asleep, it is whether you are online or offline"

-Narendra Modi.

"Social networking platforms drove man closer to those in neighboring continents, while driving him further apart from those in his neighborhood."

-Mokokoma Mokhonoana

Expert lecture

Mr. Mayank Shrivastava, Manager,Reliance Jio Infocoms Limited, Nagpur delivering expert lecture on advanced communication technology and Jio 4G Knowledge and digital education system at G.P. Gondia.

Expert lecture

Mr. Vishvajit Sande, Project Manager, Mindbowser Info Solution, Pune delivering expert lecture on topic "Recent Trends in IT" to the students of Government Women Residence Polytechnic, Tasgaon on 03/09/ 2016.

Industrial Training Pune

Mechanical Engineering students of MAEER'S MIT Polytechnic, Pune having a 3 Day Practical & Hands-on Training Workshop on "4-Wheeler (Car) Servicing" in association with 'Shivtirth Automobiles' during July 2016.

Industrial Visit

Faculty and students of Padmashri Dr. Vitthalrao Vikhe Patil Polytechnic, Loni, Ahmednagar along with Mr. D.C Punekar, Sr. HR Executive, at Ever Electronics Pvt. Ltd.

Industrial Visit

Industrial visit at Power Cab Pvt. Ltd., Ambad, Nashik on 20/7/2016 by Second Year E&TC students.

Health Awareness Camp

Dr. Sharad Desai, Oncologist and Managing Director of Shiv Cancer institute and MG Cancer Hospital, Miraj, giving health awareness tips to students of Government Women Residence Polytechnic, Tasgaon, at his Institute/Hospital.

Tree plantation snippets

A Tree plantation Ceremony was held at Karmveer Bhaurao Polytecnic, Satara on 1st July 2016. Around 227 plants were planted in this event.

Dr. J. J. Magdum Trust's, Anil Alias Pintu Magdum Memorial Pharmacy College, Dharangutti, Kolhapur celebrated "VAN MAHOTSAV DAY" by planting 50 medicinal plants in herbal garden of the college.

TRAINING

Mr. Manoj Talele of Kohler-Lombardini, Aurangabad delivering a lecture on recent development in Automobile sector for students of MIT, Aurangabad on 19th August 2016.

Industry Expert Lecture on Data Mining Conducted by Mr. Nikhil Agrawal at TGPCET, Nagpur

Institutional News

MOU signed between Anjuman Polytechnic Nagpur & IT NetworkZ Nagpur in July for conduct of Expert Lecture, Industrial Training, Visits, Projects & Internship. Principal Mr. Mohd. Rafiullah, Ms.Snehankita Fadanvis HR. Manager and Mr. Deepak Dhote Operation Manager of IT-NetworkZ Nagpure & Staff members seen.

Thakur Polytechnic, Mumbai organized program on "Awareness about BOAT and web portal and Effective Functioning of T & P Cell" on 30th July. Shri N. N. Wadode-Dy. Director & Dy. Central Apprenticeship Advisor, BOAT, Principal Dr. S M Ganechari, Prof. Zahir Alam,TPO and key speaker Mr Rajendra Panchal, L & T. were present.

SAP training at Sandip Polytechnic, Nasik

Students practicing at Rajaram Polytechnic, Chiplun.

Recent Doctorates

Prof. Purushottam N Padghan, Lecturer in Electrical Engg. Government Polytechnic, Mumbai, has been awarded the Doctorate on 1st September 2016, Jadavpur University, Kolkata. Area of research is in High Voltage Engg., entitled "Optimization of High Voltage Electrode Surfaces using Bo geography Based Algorithm"
Purushottam Padghan

Prof. Anil Sidram Savali, Lecturer in Pharmacy, Department of Pharmacy, Government Polytechnic, Jalgaon, has been awarded Ph.D. in Pharmaceutical Sciences on the thesis entitled "Studies on the Evaluation of Selected Functional Foods for Nootropic Activity against Stressed Induced Memory Loss using Non-invasive Techniques", from the Andhra University, Visakhapatnam.
Anil Savali

Prof. N. G. Nikam, Principal, Padmashri Dr. Vittalrao Vikhe Patil Institute of Tech. & Engg (Polytechnic) Loni, A'nagar, has been awarded Ph.D. from Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. His thesis was "Optimal Operation of Multipurpose Reservoir for Irrigation Planning with Conjunctive Use of Surface and Groundwater under Fuzzy Environment".
N. G. Nikam

Prof. Rohini S. Sandikar (Kale), Principal MIT Polytechnic, Pune is honored with Doctorate Degree in Electronics & Telecommunication from Rashtrasant Tukodji Maharaja Nagpur University, Nagpur in August 2016. Her thesis was entitled "Optimization of Handoff Latency using Efficient Spectrum Sensing Techniques for Cognitive Radio in 4G Wireless Networks"
Rohini Sandikar

Prof. Amit Vishwasrao Salunkhe, Lecturer in Electronics, Government Residence Women Polytechnic, Tasgaon has completed Ph.D. under J.J.T. University, Rajasthan. The title of thesis is "Estimation of Fat in Fresh Milk through Adaptive Neuro-Fuzzy Inference System".
Amit Salunkhe

Prof. Ashwini Vishwanath Jadhav, Lecturer in Chemistry, Government Residence Women Polytechnic, Tasgaon has been awarded Ph.D. by Shivaji University, Kolhapur. The title of her Thesis is "Physico-chemical studies on nanosized mixed-metal oxides".
Ashwini Jadhav

Newly Joined Officers at MSBTE

Dr. S. J. Patil, HOD Civil Govt. Polytechnic, Nagpur joined as Dy. Secretary , RBTE, Nagpur on 08.07.2016
Dr. S.J. Patil

Dr. M. R. Chitlange, HOD Mech, Govt. Polytechnic, Jalna joined as Dy. Secretary, RBTE, Pune on 04.08.2016
Dr. M.R. Chitlange

Dr. P. M. Karande, Lect. Mech. Engg., Govt. Polytechnic, Thane joined as Asstt. Secretary (T), MSBTE Mumbai on 30.07.2016.
Dr. P. M.Karande

Dr. K. V. Nemade, Lect. Automobile Engg., Govt. Polytechnic, Nashik Joined as Asstt. Secretary (T), MSBTE Mumbai on 04.08.2016
K. V. Nemade

Shri A. M. Dandavate, Lect. Electrical Engg., Govt. Polytechnic, Ratnagiri joined as Asstt. Secretary (T), MSBTE Mumbai on 01.08.2016
A. M. Dandavate

Shri A. B. Sahu, Lect. Electronics Engg., Govt. Polytechnic, Pen joined as Asstt. Secretary (T), MSBTE Mumbai on 19.07.2016 and is placed at RBTE, Mumbai.
A. B. Sahu

Award of certificate

Shri Umesh Kantute, Principal, Shri Bhagubhai Mafatlal Polytechnic , Mumbai has been awarded CMI Level 5 certificate in Management and Leadership certificate by Chartered Management Institute. He has received this certificate after attending Further Education Leadership Development Programme (FELDP) organised by AICTE and British Council as a part of U.K. - India Educational Research Initiatives Project.
Umesh Kantute

MSBTE Officers Training at Reliance Infra Limited, Dahanu

"Coming together is a beginning, keeping together is progress, working together is success" so said Henry Ford, the famous American industrialist.

Taking a cue from this statement, MSBTE officer's training for 2016 was conducted on Leadership & Team Building at Reliance Infra Limited, Dahanu for two days beginning 16th Sept, 2016. The training organized by Reliance Infra Limited, Dahanu was attended by 27 officers of MSBTE. The training program was inaugurated by Dr.V.M.Mohitkar, Secretary, MSBTE, who explained the importance of team building & how it could lead to improve performance in MSBTE activities.The day began early morning with yoga exercises and an initial warm welcome of all participants by Mr. Dinesh Mantri, VP, DTPS, Dahanu. Mr. Mantri elaborated of the activities conducted at the Reliance training center at Dahanu. He formally introduced Ms. Sulochana Amin, Corporate trainer of Reliance to the participants.

The training session commenced with self-awareness activity, wherein participants were asked to write self-awareness questionnaire enabling other participants to know each other's personality. Ways to cope up with stress during various activities were highlighted and explained. Various activities were conducted so as to understand the concept of "Open Arena" "blind spots", "Hidden area" & "Unknowns." It's important to understand that by keep taking feedback from others of ourselves, makes our "Open Arena" as much wider as possible. To build mutual trust & understanding in a team, one should speak about self "Hidden Area" & finally we should explore the unexplored areas of our life to find our "Unknowns". The Leadership session enlightened the participants of the different types of Leaderships. Different types of Leadership & listening to the other with all the senses, is vital for any relationship building.

The MSBTE officers shared & discussed their views & experiences on Leadership & team building. This added an extra dimension of learning from participants during the training. Sessions on mind power and its control, formation of belief systems and meditation for relaxation and peace were also conducted. The training sessions were profoundly conducted with audio-video clippings that added charm and motivation in the participants.

The training program ended with a noble thought of Saint Mother Theresa for all of us to ponder and adopt, "I can do things you cannot, you can do things I cannot; Together we can do Great things."

A Click for an album of the MSBTE officers at the training center.

Training session in full progress at Reliance Infra Limited, Dahanu

Officers in apt concentration during the training session

MSBTE Industrial Trainings for Teaching Faculty

MSBTE is regularly providing industrial training to faculty of polytechnics in various prominent industries of Maharashtra, These trainings replenish the practical & technological knowledge of the faculty with the latest technologies & practices of various well known industrial in Maharashtra Such training programs initiates regular interaction with industries & also faculty can understand expectations of industry with regard to technical & soft skill knowledge of diploma pass outs.

From July 2016 to Sept 2016, 35 industrial trainings were conducted benefiting 916 faculties. Some of the industries covered include TCS Thane, Siemens Thane, Glaxo Smith Kline Nashik, Lupin Aurangabad, Crompton Greaves Ahmednagar, Fiat Pune, Bosch Pune, NRB Bearing Aurangabad, Marathwada Auto cluster Aurangabad, Suzlon Pune, Kirloskar Sangli.

Industries in the Nagpur region like Mayon's Ltd Nagpur, Jadhao Steel Alloys Amravati, ADCC Nagpur, Snehal Pharma Nagpur, have extended their help in faculty trainings in their industries.

Faculty at the shop floor during an Industrial Training Program at M/s. KEC International Ltd., Nagpur

Industrial Training Program at M/s. Nashik Engineering Cluster, Nashik

A clipping of a faculty training session at a three day faculty training at Thermal Power station, Dahanu held from 30/08/2016 to 01/09/2016.

MSBTE Trainings (contd.)

L&T Institute of Technology, Mahape, New Mumbai

Training at Snehal Pharma & Surgicals Pvt. Ltd. Butibori, Nagpur 23rd & 24th Sept., 2016

Industrial Training At Mayon's Pharma Pvt. Ltd. Nagpur 16th to 17th Sept., 2016

Glimpses of MSBTE Technical Paper Presentation Competitions held in September 2016

A beautiful show of talent by students at a Competition.

Two girl participants fight it out at the competition for Computer Group for Nagpur & Aurangabad Regions at G.P.Amravati.

Students making a point during paper presentation competition for Electronics Engineering Group from Mumbai and Pune Region at Babasaheb Gawde Polytechnic, Mumbai

Students of Electrical Engineering Group from Nagpur and Aurangabad Region, effectively presenting their technical paper at Sandip Polytechnic, Nashik

MSBTE NEWSLETTER

Mr. D.N. Shingade,Principal G.P. Amravati & Jt. Director, Technical Education, R.O. Amravati addressing the participant students at the Competition for Computer Group for Nagpur & Aurangabad Regions at G.P. Amravati. Also seen are Dr. V.M. Thakare, Prof & Head SGB University, Dr.S.J. Patil, Dy. Secretary, RBTE, Nagpur and staff of institute.

Dr. Suresh Patil, Ex. MLA at the ribbon cutting ceremony of Competition for Electronics Group for Nagpur & Aurangabad Group at Smt. S S Patil Inst.of Technology, Chopda, Jalgaon. Also seen are the jury member Mr. K.P. Akole, GP Jalgaon and Mr. Waghjale, Principal .

Oh! Two at a time! Student participants answering to two jury members at a competition held at Appasaheb Birnale College of Pharmacy, Sangli on 21/09/2016.

Dr. M.R. Chitlange Dy. Secretary, RBTE, Pune addressing the students as Shri. Pattalwar Principal G. P. Kolhapur & other dignitaries keenly look on at the Mechanical Engineering Group competition for Mumbai and Pune Region that was held at G. P. Kolhapur.

A participant student emphatically makes a point at the Competition for the students of Other Group from Mumbai and Pune Region, held at Sahyadri Polytechnic, Sawarde

Women power at their best during the Competition for the students of Civil Engg. Group from Mumbai and Pune Region, held at Government Polytechnic, Karad.

Dr. S. J. Patil Dy. Secretary, RBTE, Nagpur addressing students at the competition for Computer group at G.P.Amravati on 23/09/2016

A glimpse of Competition for the students of Mechanical Engineering Group from Pune and Mumbai Region,held at G. P. Kolhapur