



# Computer Engineering Department Newsletter-“Spectrum”



Jan 2022 to June 2022 (Ed.XI)

## Editorial Board

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- Mr.M.S.Kalbande(HOD)

### Editor

- Mrs.Sarita Thorat(Lecturer)

### Student Coordinators

- Saurabh Rajput
- Sakshi Kamthe

## INDUSTRIAL VISIT AT C-CAD



**JSPM's Jaywantrao Sawant Polytechnic organized Industrial Visit at C-DAC Prof.Z.S.Sajjade and Prof.S.S.Chavan coordinated this visit.**

## INSIDE

- Womens Day
- Expert Lectures
- Seminars
- C-Quest
- Tree Plantation
- Publications

### Theme for the Current Issue:

**“Impact of Social networking & social networking sites on society”**

**Computer Engineering Department  
Welcomes'  
All first year students**

JSPM's Jaywantrao Sawant Polytechnic's Department of Computer Engineering organized industrial visit at “The National PARAM Supercomputing Facility (NPSF), Center for Development of Advanced Computing C-DAC Innovation Park” on 06/05/2022.

Firstly they introduced with the students about what actually CDAC is about and how super computers working. The Students Grabbed the knowledge of how the supercomputers work faster and within a Shot span of time with the help of parallel computing the Execution becomes easy with these Supercomputers.

Then they showed the supercomputers as below:-

- PARAM RUDRA
- PARAM SIDDHI AI
- BIG INFERERO

	<b>JAYAWANT SHIKSHAN PRASARAK MANDAL's</b>	
	<b>JAYAWANTRAO SAWANT POLYTECHNIC</b>	
<b>Prof. T. J. Sawant</b> D.E.E,B.E.(Elec.), MISTE <b>Founder-Secretary</b>	(Approved by AICTE, New Delhi, Govt. of Maharashtra and affiliated to MSBTE Mumbai.) S. No. 58, Handewadi Road, Hadapsar, Pune- 28. <b>Phone : +91-020-26970229 Tel Fax: +91-020-26970229</b> <b>E-mail : <a href="mailto:principal6425@gmail.com">principal6425@gmail.com</a> Website : <a href="http://www.jspm.edu.in">www.jspm.edu.in</a></b>	<b>Prof. S.M.Deokar</b> Ph.D. (E &TC) <b>Principal</b>

## Computer Engineering Department

### VISION

To build creative programming mind in the students for adopting emerging technology in the field of computing, for the betterment of society.

### MISSION

**M1:** To impart sound theoretical and practical knowledge in the disciplines of computing, through effective teaching learning process.

**M2:** To produce industry and society oriented skillful engineers through co-curricular and extra-curricular activities.

**M3.**To inculcate ethical values in the students.

**Dear Readers,**



It gives me immense pleasure to introduce this issue of Computer Engineering Department's 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

**Prof. Dr. S.M. Deokar**

Networking & Social

Networking Sites on Society". 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 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.



**Mr.M.S.Kalbande**  
**(HOD Computer Engineering Department)**

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 favorite, **likeminded** people not only in real world but also in virtual world. It is observed that teens use Facebook 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,

Faculty Speak.....



**Mrs.Thorat S.N.**  
**(Lecturer in English)**

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 .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

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.

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.



**Mr. Shende S.S.**

**(Lecturer in Computer engineering)**

Social Networking Sites are the internet- based social spaces designed to facilitate communication, collaboration & content sharing across networks of contacts. They are simple 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

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 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. 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.



**Ms. Sherkhane N.S.**

**(Lecturer in Computer engineering)**

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.

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.

## Students Speak.....

### “Impact of social networking & social networking sites on society”



(Saurabh Rajput ) (TYCO-2)

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 possible for us to chat with friends who live in distant places as well as share with them pictures as, addiction of different types of sites is very dangerous for users. They can't leave their mobiles, i-pads, i-phones, pc, etc. This is very dangerous for them. 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 lackhands. 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.



(Sakshi Kamthe) (TYCO-2)

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.

## Departmental News.....

### WOMEN'S DAY CELEBRATION



JSP's Department of Computer Engineering organized "Women's Day Program" on 8th March 2022. Mrs.Vijaya Ghule & Mrs.Vijaya Ghule were the chief guest for this function. As it was the day of women's all the Beautiful Women's present here were very special.

### EXPERT LECTURE ON ANDROID APPLICATION AND WEB DEVELOPMENT



Computer Engineering Department organized the Expert Lecture on "Android Application and Web Development" by Mr.Shubham Dangat on 26/03/2022. From this Expert Lecture students grabbed the knowledge about Android Application and Web Development.

**WOMEN SAFETY AND RESPONSIBILITIES**



Computer Engineering Department arranged awareness program on “Women’s safety and responsibilities” on 28/03/2022..The Chief Guest was Mrs.Namrata Patil. DCP,Zone-05,Pune Police.

**ROAD SAFETY AND PRECAUTION**



JSP’s Department of Computer Engineering organized the expert Seminar by Mr.Mohan Ubale on Road Safety and Precautions on 31/03/2022. From this Seminar students grabbed the knowledge about Road safety rules and regulations.



**PYTHON PROGRAMMING**

Department of Computer Engineering organized the expert lecture by Mr. Babu Arkas on "Python Programming" on 08/04/2022. From this seminar, students gained the knowledge about "Python Programming" and were helped to develop applications using programming.

**WEB APPLICATION**

Department of Computer Engineering organized the expert seminar on "Web Application" by Mr. Akshay Isalkar on 09/04/2022. From this seminar, students gained the knowledge about "Web Application".

**PERSONALITY DEVELOPMENT**

Department of Computer Engineering organized the expert Seminar by Mr.D.P.Jadhwar on 22/04/2022 on Personality Development. From this seminar students learned about interpersonal skills and LSRW skills. This is helpful to set goals in the students life, time management, stress management.

**MOBILE APPLICATION DEVELOPMENT**

JSP's Department of Computer Engineering organized the Workshop on "Mobile Application Development" by Mr. Malhari Pawar on 23/04/2022. Students learned from this Seminar about "Mobile Application Development".

## GLOBAL CERTIFICATION



JSP's Department of Computer Engineering organized expert lecture on "Career Development through Global Certification". Dr. Harshad Sangle (Founder And Director At Citis Infotech) was the subject expert for this event.

## C-QUEST



Department of Computer Engineering's third year students organized "C-Quest an Inter college Coding competition" for all students. Students enthusiastically participated in this event

## TREE PLANTATION



JSP's Department of Computer Engineering organized the Tree Plantation Activity, on 18th of May 2022. Students brought saplings of various plants .Principal Prof.Dr.S.M.deokar is the chief guest for this function.

## FAREWELL

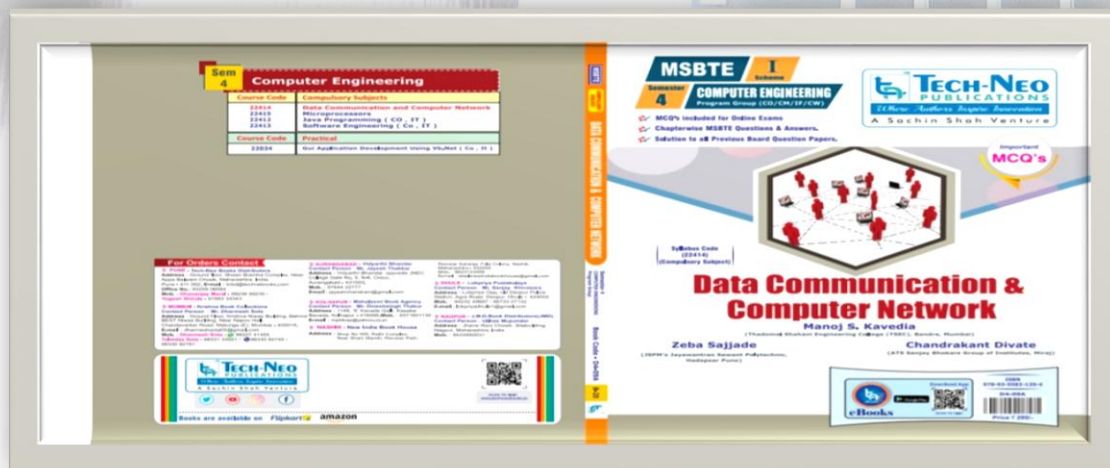


Department of Computer Engineering organized farewell function for third year students. Students shared their feelings about department and college. Various awards are given to the students on this occasion.

**BOOK PUBLICATIONS**



HOD of Computer Engineering Department Prof.M.S.Kalbande published a book on “Network and Information Security” in the year 2022.



JSP's Department of Computer Engineering staff member Prof.S.S.Sajjade published a book on “Data Communication and Computer Network” in the year 2022.

## PATENT PUBLICATION

निर्गमन सं. 09/2021 ISSUE NO. 09/2021	शुक्रवार FRIDAY	दिनांक: 26/02/2021 DATE: 26/02/2021
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**पेटेंट कार्यालय का एक प्रकाशन**  
**PUBLICATION OF THE PATENT OFFICE**

The Patent Office Journal No. 09/2021 Dated 26/02/2021 9610

(12) PATENT APPLICATION PUBLICATION (19) INDIA (22) Date of filing of Application :22/01/2021	(21) Application No.202121003012 A (43) Publication Date : 26/02/2021
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(54) Title of the invention : SPEX FOR BLIND PEOPLE: DETECT THE OBJECT SPEED AFTER THAT TAKA A DECISION USING DEEP LEARNING PROGRAMMING.

(51) International classification :A61H0003060000, G06N0003040000, G06K0009780000, G06K0009620000, G06K0009600000  (31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	(71)Name of Applicant : 1)ANANT NAGESH KAULAGE Address of Applicant :ARMY INSTITUTE OF TECHNOLOGY, PUNE, MH, INDIA, E-Mail: anantkaulage@aiitpune.edu.in Maharashtra India 2)HEMANT BHAGWAN SHINDE 3)MAROTI SHANKARRAO KALBANDE 4)SAGAR RAMESH RANE 5)SUPRIYA SANJAY YADAV 6)AMRIN R. SHEKH  (72)Name of Inventor : 1)ANANT NAGESH KAULAGE 2)HEMANT BHAGWAN SHINDE 3)MAROTI SHANKARRAO KALBANDE 4)SAGAR RAMESH RANE 5)SUPRIYA SANJAY YADAV 6)AMRIN R. SHEKH
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(57) Abstract :  
Spex for Blind People: Detect the Object Speed after that Taka a Decision Using Deep Learning Programming. ABSTRACT Our Invention Spex for blind People \* is the Ultrasound is used to determine, by echo ranging, the distance of objects in front of a user for allowing a visually impaired pedestrian to walk safely and also a double circuit allows two simultaneous measurements. The invented technology is also including a Distances measured are converted into human paces or steps and then each ear of the human receives measurement information. The user can calibrate the apparatus for his or her own stride. Example: aspect of the invention, there is provided an apparatus comprising at least one processing core and at least one memory including computer program code, the at least one memory and the computer program code being configured to, with the at least one processing core, cause the apparatus at least to run a convolutional neural network comprising an input layer arranged to provide signals to a first convolutional layer. The invention Spex for blind People is a last convolutional layer, run a first intermediate classifier, the first intermediate classifier operating on a set of feature maps of the first convolutional layer, and decide to abort or to continue processing of a signal set based on a decision of the first intermediate classifier. The invention Spex for blind People is a smart glass for a blind person, comprising: a front portion of frame; lenses arranged in the front portion of the frame; and legs of the glasses hinged with both ends of the front portion of the frame. The invention is also a the smart glasses for a blind person further comprises: a sensor assembly disposed in at least one of the following: the front portion of the frame, the lenses, and the legs of the glasses, wherein the sensor assembly is used for detecting the state parameters of the smart glasses for a blind person; and a control module provided in any one of the following: the front portion of the frame, the lenses, and the legs of the glasses, wherein the control module is used to perform the preset decision-making mechanism based on the detected state parameters by the sensor assembly status. The invention is a reasonable structure setting, small size, light weight, convenience for use, and strong practicability, thereby improving the user experience when guiding a blind person.  
No. of Pages : 25 No. of Claims : 8

The Patent Office Journal No. 09/2021 Dated 26/02/2021 9690

**HOD of Computer Engineering Department Prof.M.S.Kalbande published a patent on “SPEX FOR BLIND PEOPLE :DETECT THE OBJECT SPEED AFTER THAT TAKA A DECISION USING DEEP LEARNING PROGRAMMING”in the year 2022.**

**STUDENTS ACHIEVEMENTS**



**JSP's Department of Computer Engineering third year students got first prize in Pepper presentation competition Topic: "Female safety using push button switch with IOT"**

**Name & Sign of HOD  
(Prof.M.S.Kalbande)**