



Shram Sadhana Bombay Trust's  
College of Engineering and Technology Bambhori, Jalgaon.

## DEPARTMENT OF COMPUTER ENGINEERING

Volume V , Issue I

News Letter: Jan–June 2016

### Our Inspiration



Hon'ble Smt. Pratibhatai Patil &  
Hon'ble Dr. Devisinghji Shekhawat



Shri. Raosaheb Shekhawat  
Trustee

### About College



**VISION:** Today we carry the flame of quality education, knowledge and progressive technology for global societal development; tomorrow the flame will glow even brighter.

**MISSION:** To provide conducive environment for preparing competent, value added and patriotic engineers of integrity of par excellence to meet global standards for societal development.

#### Objectives:

- To impart innovative teaching and learning
- To provide quality education with futuristic trends in engineering and technology
- To develop the institute as a research center for academic excellence
- To ensure continual improvement in quality management system
- To inculcate social values, patriotism and professional ethics among the students

### About Department



Prof. Dr. K. S. Wani  
Principal



Prof. Dr. S. P. Shekhawat  
Director Academics



Prof. Dr. G.K. Patnaik  
Head

**VISION:** To emerge as the leading Computer Engineering department for inclusive development of students.

**MISSION:** To provide student-centered conducive environment for preparing knowledgeable, competent and value-added computer engineers.



## Departmental Events

### **Industrial Lecture on “ Career Counseling”**



Computer Department organized Industrial Lecture on “ Career Counseling” on 23/01/2016 for BE-Computer Engineering students. Expert for this lecture was Mr. Yogesh Patil, Sr. Software Engineer, Siemens india pvt ltd, Pune . He talked, Career Counseling is a process that will help you to know and understand yourself and the world of work in order to make career, educational, and life decisions. Since career development is a lifelong process, Career Counseling can be appropriate for anyone, including freshmen, sophomores, juniors, seniors, and even alumni. A computer engineer , is responsible for developing, testing and evaluating the software that make our computers work. They may help in the development of new computer games and business applications, or even in the design of entirely new operating systems.

### **Industrial Lecture on “ Microsoft Technologies”**



“Microsoft Technologies” is the topic of Industrial lecture which was organized by Computer Department on 13/02/2016 for BE-Computer Engineering students. Resource person for this lecture was Mr. Rahul Vijaywargiya , Project Manager at Osource India Pvt. Ltd. Mr. Rahul pointed out that in today’s fast changing technology, keeping up with technological changes is a challenge. Every time we try to keep up with technology changes, technology changes again. It is never ending chase to catch up with technology and that is what makes software development even more interesting. Focus of this industrial lecture is to give a quick view of many of new Microsoft technologies (like .Net, C#) out there and help to realize the value of these new technologies.



**Industrial Lecture on “ Database Management in Unix”**

Computer Department organized Industrial Lecture on “ Career Counseling” on 27/02/2016 for BE-Computer Engineering students. Expert for this lecture was Mr. Kunal H. Bhawe, Team Leader, Capgemini, Pune. Several operating system services were discussed with a view toward their applicability to support of database management functions. These services include buffer pool management; the file system; scheduling, process management, and interprocess communication; and consistency control.

**Industrial Lecture on “ Microsoft Sharepoint”**

“Microsoft Sharepoint” is the topic of Industrial lecture which was organized by Computer Department on 12/03/2016 for BE-Computer Engineering students. Resource person for this lecture was Mr. Deepak Mehta , Team Leader , Accenture. He share his views regarding Microsoft SharePoint which provides enterprise features and services, such as global search, personalized portals, Office workflow, document retention, and support for enterprise application integration and single sign-on. He added, Microsoft SharePoint is a reliable, scalable and easy-to-deploy and manage platform for developing customized portal solutions. With SharePoint, you can tie together disconnected islands of data, integrate technology with business processes, and target and personalize information for groups and individuals so that users can be more productive and effective in their work.



## Departmental Events

### **Industrial Lecture on “ Web Design”**



Computer Department organized Industrial Lecture on “ Web Design” on 19/03/2016 for BE-Computer Engineering students. Expert for this lecture was Mr. Amol Baviskar , CEO, Sequentia S/w Solutions Pvt. Ltd. Pune. He talked, Web design, a relatively new discipline within the design field, is concerned with designing Web pages and sites. While Web designers usually need to possess general design skills, such as an understanding of drawing and a knack for creating aesthetically pleasing combinations of color and form, they also need to have an understanding of Web-specific design factors-screen resolution, image compression, usability, accessibility, and website architecture. Web designers are responsible for everything from designing a website's "look and feel" to incorporating features such as e-commerce, online community, search engine optimization, animations, interactive applications, and advertising hosting into the site -all while ensuring that the site's design is optimized for the specific technologies supporting it.

### **Industrial Lecture on “ Mobile Communication”**



“Mobile Communication” is the topic of Industrial lecture which was organized by Computer Department on 02/04/2016 for BE-Computer Engineering students. Resource person for this lecture was Mr. V. S. Mahajan, Sub Divisional Engineer, BSNL, Jalgaon. He discussed about GSM (Global System for Mobile communication) which is a digital mobile telephony system that is widely used in Europe and other parts of the world. GSM uses a variation of time division multiple access (TDMA) and is the most widely used of the three digital wireless telephony technologies (TDMA, GSM, and CDMA).



**Three Days Training Workshop on “Self Awareness & Teamwork (Motivational Workshop)”**



Three days training workshop on Self Awareness & Teamwork (Motivational Workshop) organized by Computer Department from 02/05/2016 to 04/5/2016 for Faculty of Computer Engineering & Information Technology Department . Total 31 Faculty actively participated in this workshop. Expert for this workshop was Mr. Krishna Patil. He discussed, **Self Awareness** is having a clear perception of your personality, including strengths, weaknesses, thoughts, beliefs, motivation, and emotions. Self Awareness allows you to understand other people, how they perceive you, your attitude and your responses to them in the moment. Also he explain the importance of teamwork through some Activities. Workshop coordinator Mr. K.P. Adhiya along with members Mr. A. D. Waghmare, Mr. D. D. Bage, and Mr. Manoj Mahajan taken care of each and every need for this workshop. Certificates was distributed by Dr. G. K. Patnaik, Dr. Bhadade and Mr. Krishna Patil on 4/5/2016 at 6 pm.



**GATE -2016-CSE Qualified Students**

Sr. No.	Name of Students	Score	All India Rank
01	Rohan Keshav Patil	529 (40.99)	3133
02	Saddam Vahab Kahtik	323 (22.61)	15473

**Number of Students Placed through Campus drive**

Sr. No.	Name of the Company	Date	Number of candidates selected
1	Tudip Technology, Pune	17.01.2016	3
2	Capgemini	19.01.2016	1
3	Shriram Group of Companies Chennai	15.02.16 & 16.02.16	1
4	Seven Digital Technology Ahmedabad	25.02.2016	1
5	Softaid Computers, Jalgaon	12.03.2016	3
6	CMS IT Services, Mumbai	21.03.2016	19



## Students Achievements

## BE Paper Published List June2015-16

Sr. No.	Title	Journal/Conference	Impact Factor
1.	Trend Analysis based on Access Pattern over Web Logs using Hadoop.	International Journal of Scientific Development and Research (IJSDR) ,June 2016 , Volume 1, Issue 6 ,ISSN: 2455-2631	2.87
2.	Fraudulent Detection in Credit Card System Using SVM & Decision Tree.	International Journal of Scientific Development and Research (IJSDR) , May 2016 Volume 1, Issue 5	2.87
3.	Handling Selfishness in Replica Allocation over a Mobile Ad-Hoc Network.	International Journal of Computer Engineering In Research Trends (IJCERT), Volume 3, Issue 4, April-2016, pp. 165-168, ISSN (O): 2349-7084	4.029
4.	Two Way Security Mechanism for Sybil Attack in Social Network.	International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE), Vol. 5, Issue 4, April 2016,ISSN(Online) 2278-1021.	5.332
5.	Secret Sharing Scheme using Cryptographic Techniques.	International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE) ,Vol. 5, Issue 4, April 2016,ISSN (Online) 2278-1021	5.332
6.	Secure Data Retrieval for Decentralized Disruption Tolerant Military Networks.	International Journal of Computer Engineering In Research Trends (IJCERT),Volume 3, Issue 5, May-2016, pp. 237-240,ISSN (O): 2349-7084.	4.029
7.	Adapting Web Content Using Internet Speed for Mobile Devices.	International Journal of Computer Science and Information Technologies (IJCSIT), Vol. 7 (2) , 2016, 891-892.	3.32
8.	Middleware for Heterogeneous Database Schema.	International Journal of Scientific Development and Research (IJSDR) ,May 2016 IJSDR  Volume 1, Issue 5,ISSN: 2455-2631	2.87
9.	Defending Against Collaborative Attacks In Manet Using CBDS Technique	National conference on new trends and challenges in Computer Engineering and Technology NTC CET-2016	---
10.	Intelligent Broadcast Protocol for Cooperative Collision Detection in VANET	International Journal of Innovative Research in Science, Engineering and Technology (An ISO 3297: 2007 Certified Organization) Vol. 5, Issue 6, June 2016	6.20
11.	Traffic Congestion Detection Using VANET.	International Journal of Science Engineering Development and Research(JETIR) ISSN-2349-5162	3.51
12.	Data Security Using Elliptic Curve Cryptography.	International Journal of Computer Engineering In Research Trends (IJCERT) ,Volume 3, Issue 5, May-2016, pp. 222-225,ISSN (O): 2349-7084.	4.029
13.	Implementation of word sense disambiguation	National conference on new trends and challenges in Computer Engineering and Technology NTC CET-2016	---
14.	Two Server Authentication using Shared Key Cryptography.	International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE) ,Vol. 5, Issue 4, April 2016,ISSN (Online) 2278-1021	5.332
15.	Implementation of Distributed Programming Environment to support Distributed Object Over Internet.	International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE) ,Vol. 5, Issue 5, May 2016,ISSN (Online) 2278-1021	5.332
16.	Secure Routing for MANET in Adversarial.	International Journal of Computer Engineering In Research Trends (IJCERT) ,Volume 3, Issue 4, April-2016, pp. 199-203,ISSN (O): 2349-7084.	4.029

## Students Achievements

Sr. No.	Title	Journal/Conference	Impact Factor
17.	Prevention of Packet Hiding Methods In Selective Jamming Attack.	International Journal of Computer Engineering In Research Trends (IJCERT) , Volume 3, Issue 4, April-2016, pp. 194-196,ISSN (O): 2349-7084.	4.029
18.	Prevention of DoS Attack in MANET Using BIOS Serial Number.	International Journal of Scientific Development and Research (IJS DR) , June 2016 , Volume 1, Issue 6, ISSN: 2455-2631.	2.87
19.	Avoiding Discontinuity In Vanet Using Store Carry Forward Approach.	International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE) , Vol. 5, Issue 5, May 2016,ISSN (Online) 2278-1021.	5.332
20.	Implementation of Motion Model Using Vanet.	International Journal of Computer Engineering In Research Trends (IJCERT) , Volume 3, Issue 4, April-2016, pp. 179-182,ISSN (O): 2349-7084.	4.029
21.	Efficient Multi Server Authentication and Hybrid Authentication Method.	International Journal of Computer Engineering In Research Trends (IJCERT) , Volume 3, Issue 4, April-2016, pp. 165-168,ISSN (O): 2349-7084.	4.029
22.	Maintaining Data Confidentiality Using Attribute Based Secret Sharing.	International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE) , Vol. 5, Issue 5, May 2016,ISSN (Online) 2278-1021.	5.332
23.	A Mobile Robostick for Visually Impaired People.	International Journal of Computer Engineering In Research Trends (IJCERT) , Volume 3, Issue 4, April-2016, pp. 183-186,ISSN (O): 2349-7084.	4.029
24.	Secure Routing Protocol with Unobservable Identity for MANET.	International Journal of Scientific Development and Research (IJS DR) , June 2016 , Volume 1, Issue 6, ISSN: 2455-2631.	2.87
25.	Detection and Prevention Revention Of Denial Of Service Attack.	International Journal of Scientific Development and Research (IJS DR) , May 2016 , Volume 1, Issue 5, ISSN: 2455-2631.	2.87
26.	Data Centric Directed Diffusion Based On Weighted Grover's Quantum Algorithm In Wireless Sensor Network.	International Journal of Advanced Research in Computer Engineering & Technology (IJARCET), Volume 5 Issue 3, March 2016,ISSN: 2278 – 1323.	3.6
27.	Security in Opportunistic Network	International Journal of Scientific Development and Research (IJS DR) , June 2016 , Volume 1, Issue 6, ISSN: 2455-2631.	2.87
28.	Study of Enhancement of Security and Performance during Information Sharing by Data Compression, Encryption and Steganography	International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395 -0056.	4.45
29.	Activity Based Prediction System Using Hidden Markov Model	JETIR (ISSN-2349-5162)	-
30.	Performance Evaluation of AODV in varying network size	International Journal of Scientific Development and Research (IJS DR) , April 2016 , Volume 1, Issue 4, ISSN: 2455-2631.	2.87
31.	GDPUS: Tactile Keypad Based Secured Text Communication Algorithm	IEEE International Conference on Inventive Computation Technologies (ICICT 2016) IEEE Xplore Compilant - ISBN: 978-1-5090-1285- 5 and IEEE Catalogue No.:CFP16F70-ART	---
32.	Competency in Caching For Hybrid Peer To Peer Systems	International Journal of Scientific Development and Research (IJS DR) , June 2016 , Volume 1, Issue 6, ISSN: 2455-2631 .	2.87



## Students Achievements

Innovation and Entrepreneurship Development Center (IEDC)—“SHODHPRAKLP PRATIYOGITA-2016”

Sr. No.	Name of Students	Title Project	Rank
1	Kalinge Poonam Nipane Vijashree Deshpande Bhagyashri War Kunal Vidhate Dipali	Fraudulent detection in credit card system	First
2	Sonawane Snehal Patil Sonal Sonawane Supriya Garud Saurabh	Trend Analysis based on Access Pattern over web logs	Second

## Paper Published by Faculty

Sr. No.	Name of Faculty	Title of Paper	Conference/Journal	Date
1	Mr. Krishnakant P. Adhiya	Frequent Itemset Mining Algorithms for Big Data using MapReduce Technique - A Review	International Conference on Global trends in Engineering, Technology and Management (ICGTETM-2016)	Jan. 2016
2	Mr. Sandip S. Patil	Dealing with Overlapping of Clusters bu using Fuzzy K-Means Clusetring	International Journal of Engineering Trends and Technology	Jan. 2016
		Ontology Driven Knowledge Base Information Retrieval	International Journal of Engineering Trends and Technology	Jan. 2016
		Fingerprint Enhancement Techniques- Study and Review	International Journal of Engineering Trends and Technology	Jan. 2016
3	Mr. Akash D. Waghmare	An Approach for Content Based Image Retrieval Using Similarity Measures	International Journal of Computer Science Trends and Technology (IJCSST)	May - Jun 2016
		Enhancing the Performance of Image Retrieval through Similarity Measure	International Journal of Innovative Research in Computer and Communication Engineering	May 2016



## Workshop Attended by Faculty

Sr. No.	Name of Faculty	Title of Event	Duration	Organized By	Venue
1	Mrs. Shital A. Patil Miss Priti R. Sharma Mr. Akash D. Waghmare Mrs. Yogeshwari S. Borse Mrs. Dhanashree S. Tayade Mr. Jitendra R. Patil	Teaching Skills	19-20 Mar 2016	SSBT COET & Ghokhale,s Advanced Training Institute (GATI), Jalgaon	SSBT's COET, Jalgaon
2	Mr. Krishnakant P. Adhiya Mr. Manoj Eknath Patil Mr. Ashish Tryambak Bhole Mrs. Shital Abhimanyu Patil Mr. Nitin Y. Suryawanshi Mrs. Nilima Prakash Patil Miss Priti Ramesh Sharma Mr. Dipak Devchand Bage Mrs. Yogeshwari S. Borse Mr. Satpal Devising Rajput Mr. Dinesh Dagadu Puri Mr. Akash D. Waghmare Mr. Sushant Sudhakar Bahekar Mrs. Prachi Prakash Chaudhari Miss Shweta Pandey Mrs. Dhanashree S. Tayade Mr. Harshal Rajas Kotwal Mr. Pravin Keshav Patil Mr. Manojkumar L. Mahajan Mr. Vijay Shrikisan Ingle Mr. Jitendra Ranjitsing Patil Miss Vinaya Balu Savadekar Miss Chetana T. Baviskar	Self Awareness & Teamwork	2 - 4 May 2016	Department of Computer Engineering, SSBT's COET , Jalgaon	SSBT's COET, Jalgaon



**Result May 2016 NMU Exam**

<b>Class</b>	<b>Appeared</b>	<b>Total Passed</b>	<b>Percentage Result</b>
BE	127	120	94.48
TE	132	106	100
SE	144	106	90.27

**Toppers****\* Final Year Computer Engineering**

Mr. PATIL ROHAN KESHAV

**First Topper (8.98)**

Mr. BHAVE CHETAN HEMANT

**Second Topper (8.98)**

Miss PATIL PRATIKSHA MANGALSING

**Third Topper (8.67)****\* Third Year Computer Engineering**

Miss NAVAL PUJA ANIL

**First Topper (9.28)**

Miss WANI ANKITA KISHOR

**Second Topper (9.10)**

Miss PATIL PRAJAKTA YUVRAJ

**Third Topper (9.06)**



Toppers

\* **Third Year Computer Engineering**



Miss PATIL POONAM ISHWAR

**Third Topper (9.06)**

\* **Second Year Computer Engineering**



Miss PATIL RUPALI BHAUSAHEB

**First Topper (9)**



Miss BARI Sampada Kishor

**Second Topper (8.97)**



Miss PRIYANSHU ARORA

**Third Topper (8.78)**





## Photo Gallery

Department of Computer  
Engineering

# अभियांत्रिकीच्या विद्यार्थ्यांसाठी डिजिटल ग्रंथालय प्रोजेक्टसाठी ठरणार उपयोगी : एसएसबीटी बांधोरी कॉलेजचा उपक्रम

### सकाळ वृत्तसेवा

बळगाव, ता. ११ :  
अभियांत्रिकीच्या संगणक, र्मकनिकल शाखेच्या विद्यार्थ्यांना वैयक्तिकरित्या प्रोजेक्ट साकारण्यासाठी आवश्यक असणारी पुरेशी माहिती सुलभ पद्धतीने उपलब्ध व्हावी म्हणून एसएसबीटी अभियांत्रिकी महाविद्यालयाने डिजिटल ग्रंथालय उभारले आहे. सद्यस्थितीत महाविद्यालयाच्या कॅम्पसमधील विद्यार्थ्यांनाच या डिजिटल

ग्रंथालयाचा वापर करता येणार आहे. मात्र, पुढील दोन महिन्यात हे ग्रंथालय सर्व अभियांत्रिकीच्या विद्यार्थ्यांसाठी खुली करण्यात येणार असल्याचे टेक्निकल डेव्हलपमेंट विभागाचे प्रमुख प्रा. जी. के. पटनाईक यांनी सांगितले. अभियांत्रिकीच्या डिजिटल ग्रंथालयात मागील तीन वर्षांपासून विद्यार्थ्यांनी तयार केलेल्या प्रोजेक्ट



आणि रिसर्च पेपरची छायाचित्रांसह सविस्तर माहिती देण्यात आली आहे. प्रत्येक विभागासाठी दोन भाग डिजिटल लायब्ररीमध्ये माहिती संग्रहित करण्यासाठी प्रत्येक विभागातील विद्यार्थ्यांचे प्रोजेक्ट आणि रिसर्च पेपर यासाठी दोन स्वतंत्र भाग करण्यात आले आहेत. यात विद्यार्थ्यांनी आजवर तयार केलेले

प्रोजेक्ट त्यासाठी लागलेले साहित्य आणि रिसर्च पेपर अपलोड करायचे आहेत. एक हजारहून अधिक प्रोजेक्ट मागील तीन वर्षांची माहिती आतापर्यंत ग्रंथालयात संग्रहित केल्याने, आजवर एक हजारहून अधिक प्रोजेक्ट विद्यार्थ्यांना डिजिटल ग्रंथालयात पाहायला मिळणार आहेत. एसएसबीटी महाविद्यालयाच्या मुख्य सर्करमध्ये डिजिटल ग्रंथालयाला लिंक केल्याने, महाविद्यालयातील कुठल्याही संगणकात विद्यार्थ्यांना ग्रंथालय वापरता येईल. पुढील

दोन महिन्यात हीच लिंक महाविद्यालयाच्या संकेतस्थळावर जोडण्यात येणार आहे. शून्य खर्चात साकारलेले ग्रंथालय डिजिटल ग्रंथालय उभारण्यासाठी महाविद्यालयाने वेगळे कुठलेही तंत्रज्ञान वापरलेले नसून, ऑनलाइन पद्धतीने उपलब्ध असलेल्या फ्री सॉफ्टवेअरचा आधार घेतला आहे. त्यामुळे केवळ या ग्रंथालयाच्या उभारणीसाठी सहा महिन्यांचा वेळ येथील प्राध्यापकांना द्यावा लागला असून, महाविद्यालयाला यासाठी कुठलाही खर्च करावा लागला नाही.

अभियांत्रिकीच्या विद्यार्थ्यांचा अधिकतर भर प्रोजेक्ट आणि रिसर्च पेपरवरच असतो. परंतु, यासाठी लागणारी अधिकृत माहिती व त्यासाठी आवश्यक साहित्य मिळविण्यासाठी विद्यार्थ्यांना अडचणी येत होत्या. विद्यार्थ्यांची समस्या लक्षात घेऊन, सहा महिन्यांपासून डिजिटल ग्रंथालयावर काप सुरू होते ते आता पूर्णत्वास आले आहे. - प्रा. जी. के. पटनाईक, डायरेक्टर, टेक्निकल डेव्हलपमेंट विभाग





## Photo Gallery

Department of Computer  
Engineering



## Department of Computer Engineering



## Publication Committee

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