# NEWS LETTER 2017-18
## VOL. – VI   ISSUE - I

**Shram Sadhana Bombay Trust's**

# COLLEGE OF ENGINEERING & TECHNOLOGY
### BAMBHORI, JALGAON

ISO 9001:2008

# DEPARTMENT OF COMPUTER ENGINEERING



## ABOUT NEWS LETTER

SSBT's COET, Department of Computer Engineering is proud to publish its NEWS LETTER 2017-18 (Vol. VI, Issue – I).

The objectives of this News Letter is to keep our Students, Parents, Faculty and Industry informed about the activities happening in the Department.

Through this half yearly publication, we hope to engage our various stakeholders in building the network among themselves.

We hope you enjoy it!

## INSIDE...

Smt. PRATIBHA DEVISINGH PATIL
Former President of India
Founder Chairperson,
Shram Sadhana Bombay Trust



Dr. DEVISINGH R. SHEKHAWAT
An Eminent Educationist
The Founder President of
Vidya Bhartai Shaikshanik Mandal,
Amravati



Shri. RAOSAHEB SHEKHAWAT
Chairman
Governing Body,
Shram Sadhana Bombay Trust



Prof. Dr. K. S. Wani
Pricipal
SSBT's COET, Bambhori, Jalgaon



Prof. Dr. G. K. Patnaik
Head
Computer Engineering Department
SSBT's COET, Bambhori, Jalgaon

## Chairman's Message…

We have a vision to build up excellent centre of technical education coupled with industrial interaction. This will be structured with the academic excellence that the institution has set for itself. The Institute organizes programs that highlight the fundamental values in life directing its students to achieve excellence in their respective fields. The green campus extends career building opportunities for more than 800 students every year. Highly qualified and well experienced faculties mould and mentor the students for prospective careers. We have a very dedicated group of faculty.& Staff who works together to spread the quality knowledge.

These staff members bring an immense amount of talent, resources and experience to the table for benefit of SSBT College of Engineering & Technology. As a part co-curricular and extracurricular activities we conduct state level and intercollegiate level seminars and workshops; encourages students to participate in technical paper presentation contests; organize lectures by experts from leading industries etc. SSBT aims at not only educating the young to be successful Engineers, Managers and Entrepreneurs but also to churn out socially responsible human beings of tomorrow. I convey my best wishes to all the students and their parents for a successful future and good education.

## From Principal's Desk …

The current scenario in the local, national and international level is of intense competition with equal opportunity to all. The world has grown phenomenally in the past decade than ever before. Education which has always played an important role in the life of man has gained a lot of importance. In the present times it is not only, 'what you have' but 'how much you know' determines your success.

Here in our college we believe in 'shram sadhana' i.e. karm yoga & this value we inculcate in our students. Our college is having 8 UG Programs & 5 PG programs in engineering, a M.B.A. & 05 Ph.D. Programs.

We have the best of staff, faculties & facilities to impart technical excellence to our students who will be the architects of technological development & Society.

The college gives due importance to

co-curricular and extra-curricular activities. Our students excel in intercollegiate and University' competitions in extra-curricular events. College also conducts personality development programs, guest lecturers in general and technical areas for continuous improvement of students and faculty.

Training and placement department of our college helps students in making them aware about the various job opportunities in their respective fields with the aid in applying for the jobs and conducts campus interviews to recruit them when they are in final year of their graduation.

Our aim is to impart the best of the knowledge and technical knowhow to our students with required inputs, and the desire and ability to learn, lead and excel to make them responsible and respected citizens of India. We will be pleased if we receive any suggestion regarding our improvement.

## VISION of SSBT's COET

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

## MISSION of SSBT's COET

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 students.

## SSBT's COET at a Glance

SSBT's College of Engineering & Technology is an Engineering College governed by Shram Sadhana Bombay Trust (SSBT). It is a college with long tradition of imparting excellence in education.

- It is included under section 2(f) and 12(B) of UGC act 1956.
- QMS of College confirms to ISO 9000:2008.
- Approved by All India Council for Technical Education (AICTE), New Delhi.
- Permanent affiliation to N.M.U., Jalgaon.
- NBA Accredited from last 10 years.
- A Grade by N.M.U., Jalgaon
- Grade B++ (2.91) NAAC Accredited
- Awarded Best Engineering College of Maharashtra by Engineering Education Foundation, Pune.
- Engineering Education Excellence Award-2015 by Indo Global Chamber of Commerce Industry & Agriculture, Pune.

## ABOUT DEPARTMENT

Computer Engineering, anchored in computer science and engineering design, advances humankind by improving the underlying digital hardware, computing networks, and software systems that impact our everyday lives. The way we live, work and play in our technology-driven, interconnected world is largely influenced by the ideas and actions of computer engineers. With the rapid development of hardware components, communication systems and software, there is a demand for computer engineers. It provides an opportunity to work in the continuously changing technology sector. The career outlook is great for computer engineers.

The computer industry is one of the fastest growing segments of our economy and that growth promises to continue well into the next century. Thus, computer engineering is one of the fastest growing career fields in the world. Computer engineers work in almost every industry starting from healthcare and gaming to banking and online shopping. They might find themselves in a variety of environments in academia, research, industry, government, private and business organizations – analyzing problems for solutions, formulating and testing, using advanced communications, or working in teams for software development.

Computer Engineers are responsible for designing, developing, implementing and testing computer-based hardware and software. Computer engineering encompasses a wide range of topics including operating systems, computer architecture, networking technology, software engineering, compiler design, artificial intelligence, database design, data mining, embedded systems etc.

The Computer Engineering Department offers both bachelor's and master's degrees in Computer Engineering. These degree programs prepare graduates for successful, profitable and lifelong careers in Computer Engineering. Computer Engineering students study digital hardware and software systems. Through innovative classroom instructions supported by laboratories equipped with the state-of-the-art hardware and software, the department ensures that the students are introduced to both fundamental and advanced knowledge in areas such as embedded systems, networking technology, computer security and software engineering etc.

## VISION OF DEPARTMENT

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

## MISSION OF DEPARTMENT

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

## SALIENT FEATURES

- There are 10 different Laboratories for UG and 2 different Laboratories for PG in our Department.
- Adequate numbers of Computers in College and department.
- Current Investment on Computer Department : Rs. 1,22,11,389/-.
- Adequate number of system software packages.
- Adequate number of application software packages.
- Peripherals/ Printers in College: Printers: 85, Scanners: 09
- Internet Accessibility with Fortigate UTM security Device: 60 Mbps Tata Leased Line
- Microsoft Campus Agreement
- Departmental Library consisting of more than 500 books & magazines
- Exquisite Collection of various Technical Subject Books and Subscription to latest Computer Magazines
- Extra Practical Timing for Practice and review

## FACULTY PROFILE

| Sr. No. | Faculty Name | Designation | Email-Id |
|---|---|---|---|
| 1 | Dr. Girish Kumar Patnaik | Professor & Head | patnaik.girish@sscoetjalgaon.ac.in |
| 2 | Dr. Krishnakant P. Adhiya | Professor | adhiya.krishnakant@sscoetjalgaon.ac.in |
| 3 | Mr. Manoj E. Patil | Associate Professor | patil.manoj@sscoetjalgaon.ac.in |
| 4 | Mr. Ashish T. Bhole | Associate Professor | bhole.ashish@sscoetjalgaon.ac.in |
| 5 | Mr. Sandip S. Patil | Associate Professor | patil.sandip@sscoetjalgaon.ac.in |
| 6 | Mrs. Sheetal Patil | Assistant Professor | patil.shital@sscoetjalgaon.ac.in |
| 7 | Mrs. Nilima Patil | Assistant Professor | patil.nilima@sscoetjalgaon.ac.in |
| 8 | Ms. Priti R. Sharma | Assistant Professor | sharma.priti@sscoetjalgaon.ac.in |
| 9 | Mr. Nitin Y. Suryawanshi | Assistant Professor | suryawanshi.nitin@sscoetjalgaon.ac.in |
| 10 | Mr. Dipak D. Bage | Assistant Professor | bage.dipak@sscoetjalgaon.ac.in |
| 11 | Mrs. Yogeshwari Borse | Assistant Professor | borse.yogeshwari@sscoetjalgaon.ac.in |
| 12 | Mr. Satpalsing D. Rajput | Assistant Professor | rajput.satpalsing@sscoetjalgaon.ac.in |
| 13 | Mr. Dinesh D. Puri | Assistant Professor | puri.dinesh@sscoetjalgaon.ac.in |
| 14 | Mr. Akash D. Waghmare | Assistant Professor | waghmare.akash@sscoetjalgaon.ac.in |
| 15 | Mrs. Dhanashree Tayade | Assistant Professor | tayade.dhanashree@sscoetjalgaon.ac.in |
| 16 | Mr. Harshal R. Kotwal | Assistant Professor | kotwal.harshal@sscoetjalgaon.ac.in |
| 17 | Mr. Sushant Bahekar | Assistant Professor | bahekar.sushant@sscoetjalgaon.ac.in |
| 18 | Mr. Pravin K. Patil | Assistant Professor | patil.pravink@sscoetjalgaon.ac.in |
| 19 | Ms. Sweta Pandey | Assistant Professor | pandey.sweta@sscoetjalgaon.ac.in |
| 20 | Ms. Archana Shinde | Assistant Professor | shinde.archana@sscoetjalgaon.ac.in |
| 21 | Mr. Paresh D. Sharma | Assistant Professor | paresh7sharma@gmail.com |
| 22 | Mr. Naresh D. Kale | Assistant Professor | nareshdkale123@gmail.com |
| 23 | Mr. Jitendra R. Patil | Assistant Professor | jitendra.rajput04@gmail.com |
| 24 | Ms. Priyanka Sonawane | Assistant Professor | priyankasonawane593@gmail.com |
| 25 | Ms. Suchita Kolhe | Assistant Professor | sucheta.kolhe13@gmail.com |
| 26 | Mr. G. N. Patil | Hardware Engineer | patil.gajanan@gmail.com |

# INDUSTRY EXPERT LECTURES



Department of Computer Engineering organized Industry Expert Lecture on "Carrer opportunities as Network Administrator" for BE Class Students on 18/03/2017 during 11:00 am to 01:00 pm at AC Seminar Hall, SSBT's COET, Bambhori, Jalgaon.

The objective of the Expert Lecture was to create awareness regarding Open Source Software among Students and to motivate them for Internship in RedHat. Mr. Shrikant Auti, Network Engineer, One Mind Services, Pune was the Speaker for the Expert Lecture.



Department of Computer Engineering organized Industry Lecture on "Guidance on Open Source Software and Tools" for BE Class Students on 01/02/2017 during 11:00 am to 01:00 pm at Seminar Hall, SSBT's COET, Bambhori, Jalgaon.

The objective of the Expert Lecture was to create awareness regarding Git, an open-source version control system among Students and to motivate them for creating account for GitHub. Mr. Ashish Patil, Senior Software Manager, Cognizant Ltd., Pune was the Speaker for the Expert Lecture.

# INDUSTRY EXPERT LECTURES





Department of Computer Engineering organized Industry Expert Lecture on "Career opportunities in Software Industry" for BE Class Students on 04/02/2017 during 11:00 am to 01:00 pm at AC Seminar Hall, SSBT's COET, Bambhori, Jalgaon.

The objective of the Expert Lecture was to guide students about various opportunities in software industry and skills required for working professionals. Mr. Dipak Jadhav, Senior Project Manager, Sungaurd Systems, Pune was the Speaker for the Expert Lecture.





Department of Computer Engineering organized Industry Lecture on "Guidance on Open Source Software and Tools" for BE Class Students on 11/03/2017 during 10:00 am to 12:00 pm at Seminar Hall, SSBT's COET, Bambhori, Jalgaon.

The Expert Lecture was organized to create awareness about "Opportunities in Telecom Sector" for Computer Engineering Students and to motivate them for appearing GATE Examination. Mr. Vinod Mahajan, SDE , BSNL, Jalgaon was the Speaker for the Expert Lecture.

## INDUSTRY EXPERT LECTURES





Department of Computer Engineering organized Industry Expert Lecture on "Career opportunities in Software Industry" for BE Class Students on 11/03/2017 during 02:00 pm to 04:00 pm at AC Seminar Hall, SSBT's COET, Bambhori, Jalgaon.

The objective of the Expert Lecture was to guide students about various opportunities in software industry and skills required for working professionals. Mr. Rahul Vijayvargiy, Project Manager, Osource Global, Mumbai was the Speaker for the Expert Lecture.
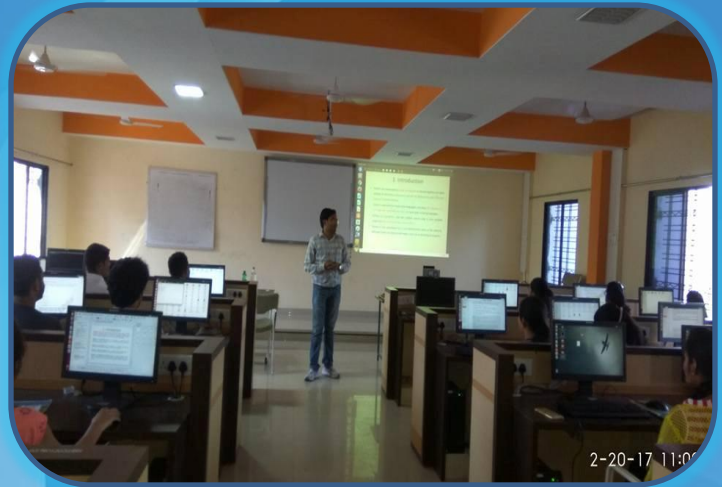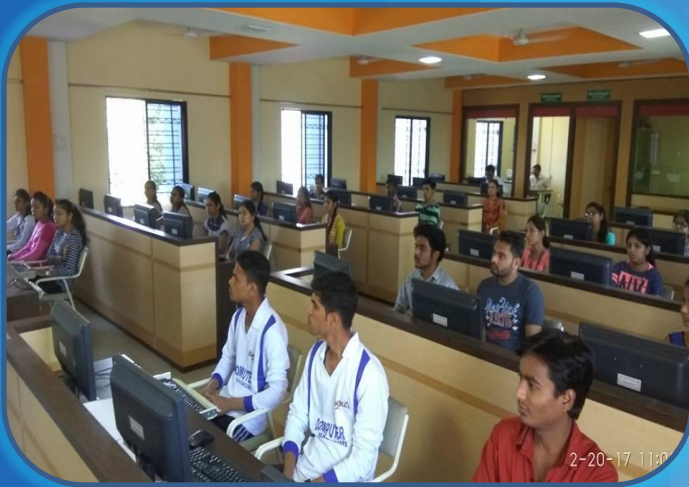


Mayur Chaudhari of BE Computer Engineering Department is awarded with "MIND SCRIPTS TECH TALENT HUNT AWARD"
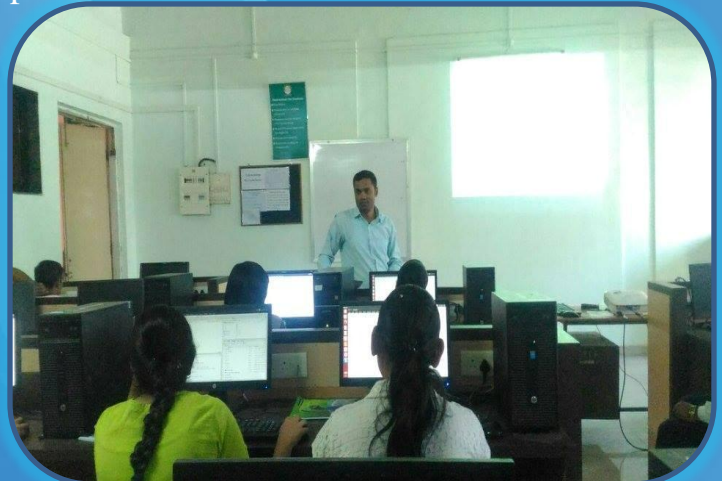
# FACULTY PUBLICATIONS

| Sr. No. | Name of Author(s) | Title of the Paper | Name of the Journal / Conference | ISSN/ ISBN No. | Month – Year |
|---|---|---|---|---|---|
| 1 | Girish Kumar Patnaik<br><br>Sandip S. Patil | Developing knowledge driven ontology for decision making | IEEE International Conference on Signal Processing, Communication, Power and Embedded System (SCOPES), 2016, Paralakhemundi, India, 3-5, pp 99-105. | - | Oct. 2016 |
| 2 | Sushant S. Bahekar | Homomorphic linear authenticator in wireless Ad hoc network | International Journal of Science & Research, Volume 5 Issue 11 | ISSN : 2319-7064 | Nov. 2016 |
| 3 | Sushant S. Bahekar | A Study on Homogeneous / Heterogeneous Intrusion detection system in Mobile Ad hoc network | International Journal of Innovative Research in Computer & Communication Engineering, Vol. 4, Issue 12 | ISSN: 2320-9801 | Dec. 2016 |
| 4 | Girish Kumar Patnaik<br>Ashish T. Bhole | Requirement Prioritization using Adaptive Fuzzy Hierarchical Cumulative Voting | 2017 IEEE 7th International Advance Computing Conference (IACC), Hyderabad, India | 2473-3571 | Jan 2017 |
| 5 | Girish Kumar Patnaik<br>Ashish T. Bhole | Big Data Privacy using Fully Homomorphic Non-deterministic Encryption | 2017 IEEE 7th International Advance Computing Conference (IACC), Hyderabad, India | 2473-3571 | Jan 2017 |
| 6 | Paresh D. Sharma<br>Nitin Y. Suryawanshi<br>Akash D. Waghmare | Security and Privacy Concerns of Big data with Cloud Computing: A Review | International Journal of Innovative Research in Science, Engineering and Technology, Volume 6, Special Issue 1 | ISSN (Online) : 2319-8753 ISSN (Print) : 2347-6710 | Jan., 2017 |
| 7 | Akash D. Waghmare<br>D. D. Puri<br>N.Y. Suryawanshi<br>Paresh D. Sharma | Enhancing the performance of Information Retrieval System using ESBIR Algorithm | International Journal of Innovative Research in Science, Engineering and Technology, Volume 6, Special Issue 1 | ISSN (Online) : 2319-8753 ISSN (Print) : 2347-6710 | Jan., 2017 |
| 8 | Sandip S. Patil | The Study and Review of Paraphrase Detection Techniques in Machine Learning | International Journal of Innovative Research and Science, Engineering and Technology(IJIRSET), Vol:6, Special Issue:1, | 2347-6710 | Jan., 2017 |
| 9 | Dhanashree S. Tayade | English-Marathi Cross Language Information Retrieval System Based On Query Translation Approach | International Journal of Computer Science & Communication Networks | 2249-5789 | Jan 2017 |
| 10 | Ashish T. Bhole | Public Audit for Cloud Computing Environment A Review | International Journal of Computer Applications (IJCA) | 0975-8887 | March 2017 |
| 11 | Mr. Manoj E. Patil | Review on Cargo Space Optimization Methodologies | International Journal of Computer Applications, Volume 162 Issue 3 | ISBN: 973-93-80895-82-0 | March 2017 |
| 12 | Mr. Manoj E. Patil | Enhancing the Performance of K-Means Clustering by using Fuzzy Partitioning Matrix | International Journal of Computer Applications, Volume 166 Issue 4 | 0975–8887 | March 2017 |
| 13 | Girish Kumar Patnaik | Automatic Text Summarization with Cohesion Features | International Journal of Computer Science and Information Technologies, Vol. 8 (2) , | ISSN: 0975 - 9646 | March–April 2017 |
| 14 | Satpalsing D. Rajput | Study of Prediction Based Authentication for Vehicle to Vehicle Communication | International Journal of Innovative Research in Computer and Communication Engineering, vol5, Issue 4 | 2320-9801 | April 2017 |

# WORKSHOP CONDUCTED BY FACULTY



Faculty Members from Department of Computer Engineering organized Two Days Workshop on PythonIndustry Expert Lecture on "Career opportunities in Software Industry" for BE Class Students on 04/02/2017 during 11:00 am to 01:00 pm at AC Seminar Hall, SSBT's COET, Bambhori, Jalgaon.

The objective of the Expert Lecture was to guide students about various opportunities in software industry and skills required for working professionals. Mr. Dipak Jadhav, Senior Project Manager, Sungaurd Systems, Pune was the Speaker for the Expert Lecture.



Department of Computer Engineering organized Industry Lecture on "Guidance on Open Source Software and Tools" for BE Class Students on 11/03/2017 during 10:00 am to 12:00 pm at Seminar Hall, SSBT's COET, Bambhori, Jalgaon.

The Expert Lecture was organized to create awareness about "Opportunities in Telecom Sector" for Computer Engineering Students and to motivate them for appearing GATE Examination. Mr. Vinod Mahajan, SDE , BSNL, Jalgaon was the Speaker for the Expert Lecture.

Project titled "Lack of information about academic activities on single platform" submitted by Rupali Patil, Anuradha Tomar, Jyoti Patil, Mrunali Patil, Bhagyashri Patil & Rohini Patil of Computer Engineering Department, was shortlisted for 'Smart India Hackathon 2017', a pan India 36 hour Nonstop Digital Programming Competition organized by Ministry of Human Resource Development, Government of India during 31/03/2017 to 02/04/2017.





Arpita Patil of Computer Engineering Department is elected as Associate District Coordinator of Dhule District by Bhartiy Chatra Sansad, Pune.

Sohail Shaikh &amp; Suraj Warade of TE Computer Engineering are selected as College Ambassador for Techfest 2016-17 at IIT Bombay.

# STUDENTS' ACHIEVEMENT

| Sr. No. | Student Name | Class | Event | Level | Place | Rank |
|---|---|---|---|---|---|---|
| 1 | Suraj Warade<br>Sohail Shaikh<br>Shruti Wadhe<br>Nidhi Agrawal<br>Shivam Rathod | BE | Transform Maharashtra | State Level | Mumbai | Participation |
| 2 | Saurabh Kapse<br>Vinit Bendale<br>Sumit Wani | SE | Milestone 2K17 | Intercollegiate | SSBT's COET, Jalgaon | Third Place |
| 3 | Rucha Narkhede<br>Priyanka Barpande<br>Dimple Patil | SE | Milestone 2K17 | Intercollegiate | SSBT's COET, Jalgaon | Third Place |
| 4 | Pankaj Chaudhari<br>Harshal Gurav<br>Suyash Bendale | SE | Science Exhibition (Poster Presentation) | Intercollegiate | SSBT's COET, Jalgaon | First Place |
| 5 | Dimple Patil<br>Rucha Narkhede | SE | Science Exhibition (Poster Presentation) | Intercollegiate | SSBT's COET, Jalgaon | Second Place |
| 6 | Sayali Patil<br>Priyanka Patil | SE | Science Exhibition (Poster Presentation) | Intercollegiate | SSBT's COET, Jalgaon | Second Place |
| 7 | Milind Mundada | SE | Football Competition | Intercollegiate | SSBT's COET, Jalgaon | First Place |
| 8 | Rohini Masare | SE | Volleyball Competition | Intercollegiate | SSBT's COET, Jalgaon | First Place |
| 9 | Isha Shrivastava | SE | Hockey Competition | Zonal | - | Participation |

SSBT's COET, Training & Placement Cell organized placement drive by "Tudip Techologies, Pune". **Arprit Prathyani**, **Apeksha Todkar**, **Vishwesh Rathi**, **Naurin Deshmukh** & **Pritesh Raka** from Department of Computer Engineering are selected through this Campus Placement Drive.
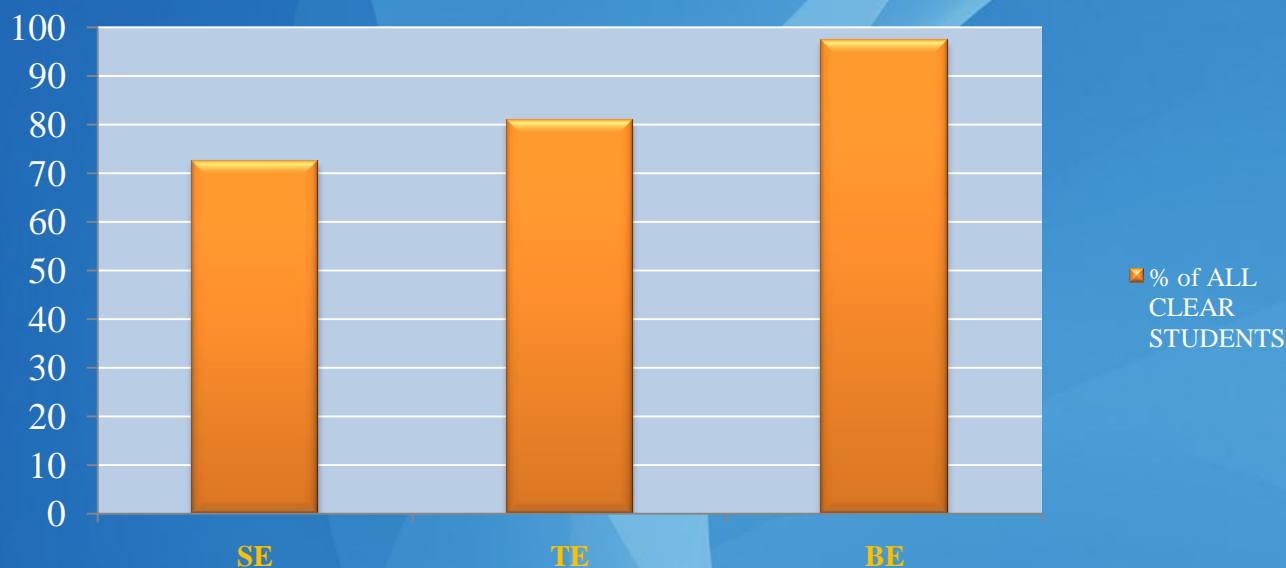


**Junaid Khan of** Computer Engineering Department got placed in Webtech Pvt. Ltd., Pune.

*SSBT's COET, Training & Placement Cell organized placement drive by "Ipsum Techologies, Pune". **Kajal Nankani, Vrushali Malvadkar, Himali Gautam & Shubham Rokade** from Department of Computer Engineering are selected through this Campus Placement Drive.*

# RESULT ANALYSIS
## NMU APRIL/MAY 2017

**% of ALL CLEAR STUDENTS**



# LIST OF CLASS TOPPERS
## NMU APRIL/MAY 2017

| SE Class Topper Name | SGPA |
|---|---|
| PARDESHI MADHURI PRAKASHSING (MANDA) (9th Rank in NMU) | 9.13 |
| PATIL YOGITA SOPAN (MANGALA) | 8.93 |
| JETHWANI HARDEEP BHAGCHAND (ARTI) | 8.8 |
| BANGALI POOJA PRAMOD (ARCHANA) | 8.78 |
| ANSARI KHALID FAISAL MOHD SHAHID (RUMAISA KHATOON) | 8.73 |
| KATEKAR NIKITA SUHAS (VANDANA) | 8.42 |
| BANGAR RADHIKA RAMESH (MANOJ) | 8.39 |
| PATIL PRAGATI ANIL (UJJWALA) | 8.3 |
| BADGUJAR PRAJAKTA RAVINDRA (SUSHAMA) | 8.26 |
| BHIRUD SHRADDHA KISHOR (REKHA) | 8.26 |
| PATIL DARSHANA SUNIL (DIPALI) | 8.21 |

| TE Class Topper Name | SGPA |
|---|---|
| PATIL RUPALI BHAUSAHEB (SUSHILA) (3rd Rank in NMU) | 8.95 |
| BARI SAMPADA KISHOR (NAYANA) (4th Rank in NMU) | 8.91 |
| JAGTAP DHIRAJ DEVENDRA (ASHA) (5th Rank in NMU) | 8.86 |
| ILA KRISHNA SHRIVASTAVA (RITA) (10th Rank in NMU) | 8.72 |
| PRIYANSHU ARORA (RASHMI) | 8.69 |
| PATIL ROHINI RAVINDRA (KALPANA) | 8.64 |
| KHODAPE MINAL SANJAY (SANGEETA) | 8.53 |
| AGRAWAL RASHI RADHESHYAM (REKHA) | 8.43 |
| WAGH SHUBHANGI JAGDISH (SUNITA) | 8.35 |
| MAHAJAN PRATIKSHA GOPAL (KALPANA) | 8.34 |

| BE Class Topper Name | SGPA |
|---|---|
| SURYAWANSHI BHAGYASHRI DHANARAJ (KALPANA) (8th Rank in NMU) | **8.88** |
| NAVAL PUJA ANIL (SAROJ) | 8.85 |
| PATIL PRAJAKTA YUVRAJ (UJJWALA) | 8.85 |
| MARATHE TANAYA GAJANAN (MANISHA) | 8.82 |
| PATIL POONAM ISHWAR (VIJAYA) | 8.75 |
| PRATHYANI ARPIT SANJAY (KIRAN) | 8.75 |
| WANI ANKITA KISHOR (DIPIKA) | 8.56 |
| BHAVSAR AISHWARYA ABHAYKUMAR (DHANSHREE) | 8.54 |
| PAWAR MONALI GABARU (NONAME) | 8.44 |
| TODKAR APEKSHA JALINDRA (MANTHANA) | 8.44 |
| CHAUDHARI MINAL SHIVAJI (ALKA) | 8.43 |
| PATIL JAGRUTI JIVANSING (JYOTI) | 8.39 |
| PATIL MAYURI DEVIDAS (SANGITA) | 8.33 |