NEWS LETTER

Jan – Jun. 2019

VOL. – XIV

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



About News Letter

SSBT's COET, Department of Mechanical Engineering is proud to publish its NEWS LETTER 2018-19 (Vol. XIV).

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

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

We hope you enjoy it!

Editorial Board

Dr. S. P. Shekhawat, Prof. N. K. Patil, HOD MED Mr. T. G. Patil

Members:

Pawar Prajakta Shamkant (B.E.) Bari Mayur Ganeshrao (T.E.) Nemade Diptesh Dilip (S.E.)



- Chairman's Message...
- From Principal's Desk ...
- SSBT's COET at a Glance
- About Department
- **Faculty Profile** •
- **Faculty Participation**
- Publications
- **Result Analysis**
- Placement
- **Students Participation**
- Photo Gallery





Shram Sadhana Bombay Trust



Smt. PRATIBHA DEVISINGH PATIL Dr. DEVISINGH R. SHEKHAWAT Shri. RAOSAHEB SHEKHAWAT An Eminent Educationist Former President of India Founder Chairperson The Founder President of

Vidya Bharti Shaikshanik Mandal, Amravati

Chairman Governing Body, Shram Sadhana Bombay Trust



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



Prof. Dr. Sanjay P. Shekhawat Vice-Principal SSBT's COET, Bambhori, Jalgaon

Chairman's Message...



We have a vision to build up excellent center 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 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 & 2 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.

- The institute is conferred "A" Grade by Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon vide letter number KBCNMU/11A/Academic Audit/246/2019 dated 04/06/2019 as per its Academic Audit.
- The institute is included in the list of colleges prepared under Section 2(f) of the UGC Act, 1956 vide letter number F 8-40/2008 (CPP-I) dated 2 June 2008 and 12(B) vide letter number F.No. 8-40/2008(CPP-I/C) dated 23 September 2010.
- Quality Management System (QMS) of the institute conforms to ISO 9001:2008 since March 2009 and ISO 9001:2015 since February 2018.

- The institute is awarded "Better India Education Awards 2018" on June 30, 2018 by Today Research & Rating, New Delhi.
- The institute is awarded "Brand Excellence in Education" in 2017 by 94.3 MY FM, Dainik Bhaskar Corporation Ltd.
- The institute is awarded "Engineering Education Excellence Award-2015" by INDO Global Chamber of Commerce Industries and Agriculture Pune, for the efforts in promoting Quality Education and implementing the higher standards of Technical Education in the field of Engineering.
- The institute is awarded "Corporate Excellence Award" on 28th November 2015, for Brand Excellence in Education by Lokmat.
- The institute is awarded "EEF Award for Excellence 2008 09" by Engineering Education Foundation, Pune.
- The Institute is Accredited by National Assessment and Accreditation Council (NAAC) with CGPA of 2.91 on a seven point scale at B++ Grade, valid for a period of Five Years from 16-09-2016 (Vide letter No: F.19.26/EC(SC-17)/DO/2016/132.1, dated 19-09-2016).

ABOUT DEPARTMENT

Mechanical engineering focuses on working with the tools and machinery taking into account the principles of Science, mainly Physics for the development of various systems for mankind.

In today's world, Mechanical Engineering are pursuing developments in the fields such as Composite Materials, Mechatronics, Industry Automation, Product Design and Development, Renewable Energy Sector and Industrial developments.

Mechanical Engineering aim to ease the lifestyle with the advancement in technology to further advance the world around us, providing more comfort, ease and economic vitally globally.

Today we find that Mechanical Engineering have made a benchmark with their creations, innovations and inventions in almost all the aspects of life.

Mechanical Engineering can make their career in the field of Thermal Engineering, Manufacturing, Design Engineering, Aerospace, Automobile, Robotics etc.

The department also offers PhD in major thrust areas. The department has highly qualified faculty members, state of art laboratories and infrastructures. Various Funded Research Projects and Consultancy projects are also taken up. Students of the department are actively involved in various extracurricular activities and extension activities. A group of students are participating in a national SAE BAJA competition and ROBOCON.

VISION of DEPARTMENT

To nurture the students by providing high quality broad based technical education for global societal development and continuous improvement in value added knowledge.

MISSION of DEPARTMENT

To cultivate a conducive environment through teaching, application specific learning and services to foster the technical critical thinking ability of the students as well as the faculties to contribute for developing global mechanical engineering professionals and well-being of the society

SALIENT FEATURES

- Experienced, Qualified & Research Oriented Faculty
- Modern and Well-Equipped Laboratories
- NAAC Accredited for 5 Years with B++ Grade
- Project Based Learning

- Teacher Guardian Scheme
- Well-equipped laboratories
- Research Facilities
- Wi-Fi Campus

Programme Educational Objectives (PEOs)

- **PEO 1. Core Knowledge** The mechanical engineering graduates will have the knowledge of basic science, engineering skills, humanities, social science, management, conceptual and practical understanding of core mechanical engineering area with project development.
- **PEO 2. Employment/ Continuing Education** The mechanical engineering graduates will have the knowledge of Industry-based technical skills to succeed in entry level engineering position at various industries as well as in academics.
- **PEO 3. Professional Competency** The mechanical engineering graduates will have the ability to communicate effectively in English, to accumulate and disseminate the knowledge and to work effectively in a team with a sense of social awareness.

Programme Specific Outcomes (PSOs)

- 1) To develop professional leadership through co-curricular & extra-curricular activities
- 2) To impart skillful, value-based & modern technology knowledge center for lifelong learning
- To develop multi-disciplinary, multi-skill technical abilities through integration of mechanical & other engineering disciplines

Programme Outcomes (POs)

- Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization for the solution of complex engineering problems
- Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences
- 3) Design / development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations
- 4) Conduct investigations of complex problems: Use research-based knowledge & research methods including design of experiments, analysis & interpretation of data and synthesis of information to provide valid conclusion
- 5) Modern tool usage: Create, select and apply appropriate techniques, resources, modern engineering and IT tools, including prediction and modelling, to complex engineering activities, with an understanding of the limitations
- 6) The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice
- Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development
- 8) Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice
- Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings
- 10)Communication: Communicate effectively on complex engineering activities with the engineering community and with the society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions
- 11)Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments
- 12)Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change

FACULTY PROFILE

Sr. no.	Faculty Name	Designation	Email - Id
1	Dr. Sanjay P. Shekhawat	Vice-Principal	spshekhawat@rediff.com
2	Mr. Navneet K. Patil	Asso. Professor	navneetkpatil@gmail.com
3	Mr. Krishna S. Shrivastava	Asso. Professor	krishnashrivastava@yahoo.co.in
4	Mr. Mahesh V. Rawlani	Asso. Professor	meshu_sir@rediffmail.com
5	Dr. Prajitsen G. Damle	Asso. Professor	pgdamle2@yahoo.com
6	Mr. Devendra B. Sadaphale	Asst. Professor	devendra_sadaphale@rediffmail.com
7	Mr. Prashant N. Ulhe	Asst. Professor	prashantulhe@rediffmail.com
8	Mr. Pradeep M. Solanki	Asst. Professor	p_msolanki@rediffmail.com
9	Mr. Pravin D. Patil	Asst. Professor	pravinpatil100@rediffmail.com
10	Mr. Mahesh V. Kulkarni	Asst. Professor	mvkmvk@gmail.com
11	Mr. Ajay R. Bhardwaj	Asst. Professor	mailme_ajaybhardwaj09@rediffmail.com
12	Mr. Dipak C. Talele	Asst. Professor	taleledeepak190687@gmail.com
13	Dr. Prashant P. Bornare	Asst. Professor	ppbornare79@gmail.com
14	Mr. Chandan K. Mukherjee	Asst. Professor	<u>ckm.jalgaon@gmail.com</u>
15	Mr. Akhilesh V. Rajput	Asst. Professor	akhileshvrajput@gmail.com
16	Mr. Ajay J. Puri	Asst. Professor	ajaypuri19@gmail.com
17	Mr. Tejas G. Patil	Asst. Professor	tejas.patil@live.com
18	Mr. Abhinav D. Sardar	Asst. Professor	abhinavsardar05@gmail.com

FACULTY PARTICIPATION

Sr. No.	Faculty	Training/STTP/Workshops	Duration	Venue
1	Mr. D. B. Sadaphale	Poster Presentation AVISHKAR- 2018 University level	3 rd Jan. 2019	KBC North Maharashtra University, Jalgaon
2	Mr. Krishna Shrivastava	Poster Presentation AVISHKAR- 2018 University level	3 rd Jan. 2019	KBC North Maharashtra University, Jalgaon
3	Mr. A. R. Bhardwaj	Poster presentation in 6 th International Conference on Recent Advances in Composite Materials	28 th Feb. 2019	IIT BHU, Varanasi, (U.P.)
4	Mr. C. K. Mukherjee	 Completed 4 NPTEL courses named: 1) Material Science and Engineering. 2) Theory and Practice of Non- Destructive Testing. 3) Financial Institutions and Market 4) Enhancing Soft skills and Personality. 	31 Mar. 2019	Online
5	All Faculties	Attended one day workshop on 'Adoption and Promotion of e- learning in Higher Education Institutes'	5 th Jan. 2019	SSBT's COET, Bambhori, Jalgaon

FACULTY PUBLICATIONS

Sr. No.	Faculty	Papers in Conferences/ Journals	Title	Date and Venue
1.	Dr. S. P. Shekhawat	International Journal of Management, Technology and Engineering (IJMTE)	Industry 4.0 implications on Agriculture Sector: An Overview	ISSN (Print) 2249-7455, Volume IX, Issue I, Jan, 2019.
2.	Mr. Krishna Shrivastava	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	Electrical Energy Saving in Water Motor Pump by Water Cooling	ISSN(Online): 2319- 8753 ISSN (Print): 2347-6710, Vol. 8, Issue 6, June 2019
3.	Mr. A. R. Bharadwaj	1 st International Conference on Applied Mechanical Engineering Research (ICAMER 2019)	AReviewonReinforcementSiliconCarbideOnMechanicalPropertiesofAluminiumMatrixComposite	2 nd to 4 th May 2019, National Institute of Technology, Warangal.
4.	Mr. C.K. Mukherjee	National Conference on Exploring New Dimensions in Teaching- Learning for Quality Education.	Best Practices for Improving Quality of Higher Education Institutes.	8 th - 9 th Jun 2019, K. K. Wagh Institute of Engineering Education and Research, Nashik.
5.	Mr. A. J. Puri	International Conference on Global Trends in Science, Technology, Humanities, Commerce & Management (ICGTSTHCM 2019)	Aluminium LM25 Red Mud Metal Matrix Composite: Tribological Analysis	18 th Jun. 2019, SSBT's College of Engineering, Bambhori, Jalgaon
6.	Mr. Tejas G. Patil	International Conference on Global Trends in Science, Technology, Humanities, Commerce & Management (ICGTSTHCM 2019)	Industry4.0ImplicationsonAgricultureSector:An Overview	19 th Jun. 2019, SSBT's College of Engineering, Bambhori, Jalgaon

SHODHPRAKALP 2019



SHODHPRAKALP 2019 Competition for Final Year students project organised by Department of Mechanical Engineering on 3rd March 2019.

EXTRA CURRICULAR ACTIVITY



Mr. P. M. Solanki Conducted General Aptitude Test for Final Year Students on 17 Oct 2018.

Add-on Course



Dr. P. P. Bornare organized 5 days Add on Course on "Future Prospects of Alternate Fuel" dated 18th March to 23th March 2019.



- Prof. D. B. Sadaphale and Prof. K. S. Shrivastava from Department of Mechanical Engineering participated in poster presentation in AVISHKAR 2018 (University Level) at KBCNMU on 3rd Jan. 2019.
- Mr. A. R. Bhardwaj participated in Poster presentation at IIT BHU, Varanasi, (U.P.)

ACTIVITIES BY MESA



Expert Lecture given by Ulhas Vatpal, Director, Prihoda Pvt. India Ltd on **"Opportunities in Career Development"** for BE students



Expert Lecture given by Rajendra Kabra Sr. Engineer, MSEB on "Mechanical Engineering in Thermal Power Plant" for BE students



Expert Lecture given by **Shrikant Kumar**, Sr. Engineer, Bajaj Pvt. India Ltd on **"Expectation** of Companies from Fresh Engg. Graduates" for BE students



Felicitation program "Achievers – 19" for Outstanding student in A.Y. 2018-19.

	Sr. No.	Name of Activity/Event	TOPIC	Date	Participan ts
0	01	Departmental level Competition association with Soft-Aid Computers, Jalgaon	AutoCad	26 Feb. 2019	All S.E. Students
(02	Guest Lecture from Gillette Ltd. (Lokmat, Jalgaon)	Personality development	8 th Mar. 2019	All SE / TE students
(03	Expert Lecture by Shailaja Patil, Director, MIMS.	Knowledge Session	14 th Mar. 2019	All Students
0	04	Skype Interaction with Oversea Alumni Mr. Krunal Girase form Japan.		10 th Mar. 2019	All B.E. Students
0)5	Motivational Lecture	Plastic Paradise	1 st Mar. 2019	All Students
()6	Inspiration Video Lecture			All Students

LIST OF CLASS TOPPERS KBCNMU MAY- 2019

	SE-A			
Rank	Student Name	CGPA		
Ι	PARMAR MANUPRATAPSINGH	8.74		
II	PATIL AJAY ANIL	8.4		
III	JOSHI ROHIT DINESH	8.38		

	SE-B				
Rank Student Name		CGPA			
Ι	DUSANE APURVA SHRIKANT	8.12			
II	MARATHE TUSHAR BALU	8			
III	DHAVALE POOJA VILAS	7.98			

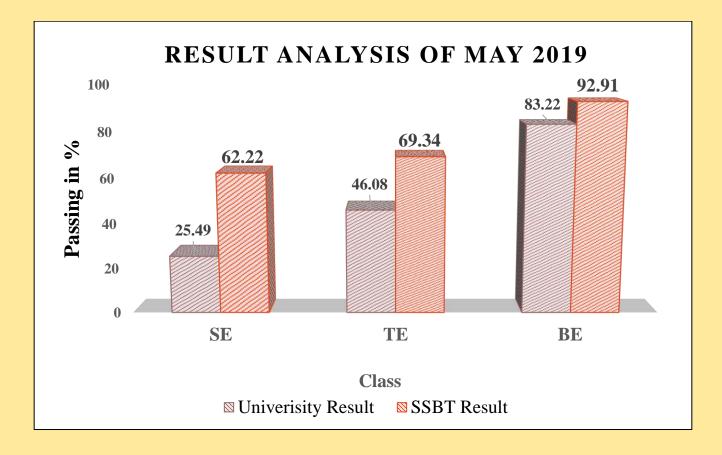
TE-A				
Rank Student Name		CGPA		
Ι	BORASE RITESH ADHIKAR	8.3		
II	II KHANDELWAL AMOD GIRISH			
III	DEORE HITESH SURESH	8.13		

TE-B				
Rank	CGPA			
Ι	I BARI VAIBHAV PRAKASH			
II	II BADGUJAR MANISH SANJAY			
III	SUTAR DHIRAJ ASHOK	8.38		

BE-A			
Rank Student Name		CGPA	
Ι	BOBDE TUSHAR SURESH	8.33	
II	MADANKAR RAHUL S.	7.9	
III	PATIL PRATIK LOTAN	7.89	

BE-B			
Rank Student Name		CGPA	
Ι	MOMIN ARBAZ SALIM	8.82	
II	PINGALE SAGAR BHIKARI	8.72	
III	PATIL JITENDRA RAVINDRA	8.69	

University v/s Department Result Analysis KBCNMU MAY 2019 Exam SE TE BE



STUDENTS PLACEMENT in 2018-19

Sr. No.	Name of Students	Name of Company	Package in Lakh
1	PAWAR KAUSHAL SOPANDEO		
2	PIYUSH ULHASRAV PATIL	SHRIRAM	2.6
3	AJINKYA RAMCHANDRA AWAD	FINANCE	2.0
4	RAHUL ANIL CHAUDHARI		
5	RAHUL ANIL CHAUDHARI	ELEATION ACADEMY	2.4
6	SWAPNIL PARDESHI	CLOVER INFOTECH, MUMBAI	2.4
7	AMRURA M. CHAUDHARI		
8	BHAGYASHREE J. MALI		
9	HARSHADA D. BADGUJAR		
10	MONIKA B. RATHOD		
11	MONIKA P. JAMDHALE		
12	POOJA L. MAHAJAN		
13	PRAJAKTA L. PAWAR		
14	PUNAM J. BHARUDE	DHOOT	1.2
15	RUCHIKA D. PATIL	TRANSMISSION	1.2
16	UTKARSHA A. KHACHANE		
17	AJAY S. PATIL		
18	AMIT A. ZOPE		
19	ANIKET K KHIRATKAR		
20	ASHWIN NIKURE		
21	BHUSHAN D. KUWAR		
22	DIPAK S. DANDAGE		

Sr. No.	Name of Students	Name of Company	Package in Lakh
23	DIPAK S. VARADE		
24	HITESH K ZOPE		
25	JAYESH A TELI		
26	JITENDRA R. PATIL		
27	KHAGESH S. NEMADE		
28	KAUSHAL S. PAWAR		
29	LABHESH N. PAWAR		
30	MAHESH D. NALKANDE		
31	MANOJ S. SONAWANE		
32	MUKESH M. PATIL		
33	RAHUL S. MADANKAR		
34	SAGAR P. SONAWANE	DHOOT TRANSMISSION	1.2
35	SAUARBH A. PAWAR	IKANSMISSION	
36	SHUBHAUM G. ROHANSKAR		
37	SHUBHUM S. PATIL		
38	TUSHAR G CHOPADE		
39	TUSHAR S. BOBDE		
40	YOGESH C. SONAWANE		
41	YUGANDHAR B. MINGULE		
42	SURBHI SINGH		
43	BHUSHAN S. FEGADE		
44	DIPAK M. RAUT		
45	JAYESH A TELI		
46	MAYUR M JADHAV		
47	SAGAR B. PINGALE		
48	TEJAS R. PATIL		
49	VEDANTA A. PATIL		

Sr. No.	Name of Students	Name of Company	Package in Lakh
50	YUVRAJ PATIL		
51	SHAHID KHAN		
52	MAHESH MALI		
53	HITESH ZOPE	SPECTRUM ELECTRICAL	10
54	RUPESH KHADE	INDUSTRIES LIMITED	1.2
55	AJAY SONAR		
56	CHETAN MAHAJAN		
57	SWAPNIL PARDESHI		

STUDENTS PARTICIPATION

Sr. No.	Student Name	Event	Achievement
1	Mukesh Sawale	Inter College Soft Ball + Hockey Competition	
2	Shahid Khan	Basketball, Zonal Level Competition	
3	Mayur Bari	Hockey	
4	Sumit Jadhav	Inter College Kabaddi + Hockey Player	
5	Gurav Kumar Patil	Inter College Soft Ball	
6	Bhavesh Chavan	Chocolate Day	Winner

PHOTO GALLERY



KHELO SSBT 2019 Sports organized for Faculties



Softball Winner Team



ROBOCON -2019 Team



Kho-Kho Winner Team