



ShramSadhana Bombay Trust's
College of Engineering & Technology, Bambhori, Jalgaon

DEPARTMENT OF MECHANICAL ENGINEERING

GRAVITY

VolumeIXNewsletter: July2016-December2016

Our Inspiration



Hon. Smt. PratibhataiPatil
 &
 Hon. Dr. Devisinghji Shekhawat



Shri.Raosaheb Shekhawat
 Trustee

About College

Shram Sadhana Bombay Trust runs the College of Engineering & Technology at Bambhori, which is the one of the important Industrial Town & District Headquarters of Maharashtra state. College is awarded as Best Engineering College of Maharashtra State by Engineering Education Foundation, Pune in year2008-09. The College has ten full-fledged Departments. The college has been included in the list of colleges prepared under Section 2(f) of the UGC Act, 1956 vide letter number F8-40/2008(CPP-I), May, 2008 & 12(B) vide letter number F.No.8-40/2008(CPP-I/C) dated Sept2010. 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.)

SALIENT FEATURES

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

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

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 produce conducive environment for preparing competent, value added and patriotic engineers of integrity of par excellence to meet global standards for societal development.

DEPARTMENT VISION

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

DEPARTMENT MISSION

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.



PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

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.

2. Employment: 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.

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.

PROGRAM OUTCOMES (POs)

- An ability to apply knowledge of computing, mathematics, science and engineering fundamentals appropriate to the discipline
- An ability to analyze a problem, identify and formulate the mechanical engineering requirements appropriate to its solution
- An ability to design, implement, process and component to meet desired needs with appropriate consideration for public health, safety, cultural, societal and environmental considerations
- An ability to design and conduct experiments as well as to analyze and interpret data
- An ability to use current techniques, skills, and modern tools necessary for mechanical engineering practice
- An ability to analyze the local and global impact of mechanical engineering task on individuals, organizations and society
- Knowledge of contemporary issues
- An understanding of professional, ethical, legal, security, social issues and responsibilities
- An ability to function effectively individually, on teams, including diverse and multidisciplinary, to accomplish a common goal
- An ability to communicate effectively with a range of audiences
- An understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects
- Recognition of the need for and an ability to engage in continuing professional development

Audit Courses Details

Sr. No.	Course Title	Duration	Number of Students Attended.
1	Electrical Machine and Electrical Installation	24-29 Aug. 2016	17
2	Yoga for Beginners	26th to 30th July, 2016	20
3	MATLAB Simulation Applications	14 to 24 Sept. 2016	22
4	Advances in Material Selection and Process Optimization: An Ashby's Approach	14 to 20 Sept. 2016	18
5	Advance Metrology and Quality Control	9 to 13 Aug, 2016	23
6	Introduction to Auto CAD	24 to 29 Aug 2016	21

Ongoing Funded Projects

Sr. No.	Name of Faculty	Agency	Amount in Rs.
1	Dr. S. P. Shekhawat	RGSTC	3,74,000/-
2	SAE Collegiate Club.	SSBTs COET	3,54,000/-
3	Robo Club.	SSBTs COET	25,000/-

Students Funded Research Projects

Sr. No	Name of Students	Agency	Amount in Rs.
1	AshwinThakkar, Aniket Aware, AnkitShirsath, Mahesh Teli, VinaykumarMuley	IEDC	1,00,000/-

DEPARTMENTAL EVENTS



**Expert Lecture on "Agriculture Mechanization",
By Mr. Sachin Gawali, Jain Irrigation, Jalgaon.**



**Expert Lecture on "Introduction to PLC&SCADA"
By Mr. Prathamesh Gade.**



Students Interaction with Alumni



**SSBT's SAE Collegiate club Technical Visit to
TATA Motors, Jalgaon.**



Industrial visit at Parle Industry, Jalgaon 16th and 17th Sept 2016.

AUDIT COURSES



Advance Metrology and Quality Control



Electrical Machine and Electrical Installation



MATLAB Simulation Applications



Yoga for Beginners.



Motivational Video Lecture



Material selection and process optimization for Mechanical components



Introduction to Auto-CAD

STUDENT'S ACHIEVEMENTS –CO-CURRICULAR

SR. NO	Student Name	EVENT	ACHIVEMENT
1	LalitManiyar, Nikhil Zambre	AAVISHKAR-2016	Selected for University Level

TOPPERS OF THE DEPARTMENT (DEC 2016)

SE-A		
Rank	Student Name	SGPA
I	MominArbazSalim	8.26
II	KokandePraful Kailas	7.87
III	PawarRushaliYuvraj	7.61

SE-B		
Rank	Student Name	SGPA
I	Chaudhari Rahul Anil	8.83
II	PingaleSagarBhikari	8.3
III	DesaleYashDhananjay	8.26
	MominArbazSalim	
	BadgujarHarshada D.	

TE-A		
Rank	Student Name	SGPA
I	ButeShreyas Ashok	8.57
II	PatilHarshalBhagwan	9.39
III	DeshpandeShreyas Sunil	8.26

TE-B		
Rank	Student Name	SGPA
I	KoliSagar Kailas	9.22
II	ChaudhariRashmi P.	8.74
III	WaykoleAniket A.	8.57

BE-A		
Rank	Student Name	SGPA
I	Zambre Nikhil N.	8.96
II	Dethe Rahul	8.7
III	Ashish Kumar	8.57
	TongleKrunal	

BE-B		
Rank	Student Name	SGPA
I	ThakkarAswinParesh	9.35
II	Mahajan Pratiksha Anil	8.83
III	BhangaleDarshan	8.70
	Patil Harsh Meghshyam	

STUDENT'S PARTICIPATION –EXTRA-CURRICULAR

Sr. No.	Sport	Student Name	Event And Venue	Duration
1	Cricket	Vipul V. Sawale	ICA-T20 International Cricket Series (ICA-India v/s Srilanka)	11th Oct 2016 to 16 Oct 2016
			First All India College Cricket Championship 2016, Held at Karansar, Jaipur.	10th Sept 2016 to 19th Sept 2016
2	Boxing	Tejas Nikam, Atul Telang	Intercollegiate Boxing. At Arts, Commerce & Science College, Dharangaon.	25-9-2016
3	Volley Ball	Kaustubh Patil Swapnil Bhalerao Nitin G. Patil Tushar Bobde	Intercollegiate Volley Ball. At M. M. College Pachora.	23-11-16 to 24-11-16
4	Rifle/Pistol Shooting	Harsh Patil Krishna Shelke	Intercollegiate Rifle/Pistol Shooting, at Pankaj Arts, Commerce, Sci. College, Chopda.	14-10-16
5	Kabaddi	Akshay Joshi Parmeshwar Nagre Sagar Koli	Intercollegiate Kabaddi, at D. D. S. P. arts, Commerce & Science College, Erandol.	17-10-16 to 18-10-16

Sr.No.	Name of Student	Event
1	Pranita Birhade	Purushottam Karandak-15
2	Somesh Patil, Pranita Birhade, Gaurav Barhate, Divyesh Lalapure, Krishna Thakre	YUVARANG-16

PLACEMENT DATA

Sr.No.	Name of Student	Company Name
1	Nikhil Zambare	Bafana Motors Aurangabad
2	Shubham Arun Duse	
3	Lalit Maniyar	
4	Aniket Aware	
5	Lalit Rathod	
6	Gaurav Mali	
7	Pratiksha Mahajan	
8	Tejas Nikam	

FACULTY PARTICIPATION AND PUBLICATIONS

Sr. No.	Faculty	Training/STTP/Workshops	Duration	Venue
1	Dr. S P Shekhawat	National Teachers' Congress	23 to 25 Sept., 2016.	MIT, Pune
2	Mr. P. G. Damle, Mr. D B. Sadaphale, and Mr. P D Patil	TEQIP Sponsored STTP Carbon Neutral Energy Sources	One week 9 th to 13 th May, 2016	S V NIT, Surat
3	Mr. N K Patil and Mr. M V Rawlani	TEQIP Sponsored STTP New Trends in Industrial Engineering	One week 1 st to 5 th July, 2016	S V NIT, Surat
4	Mr. PrashantUlhe and Mr. Deepak Talele	Condition Monitoring of rotating machinery using Vibration analysis	6 th October 2016	Sanjivani College of Engineering, Kopergaon
5	Mr. M. V. Rawlani, Mr. P. M. Solanki, Mr. DipakTalele, Mr. A. V. Rajput, Mr. R. T. Patil, Mr. A. V. Deshmukh	Faculty Development Program in association with National Institute of Technical Teachers' Training & Research (NITTTR), Bhopal	13 -18 October, 2016	SSBT's COET, Bambhori. Jalgaon.

Sr. No.	Faculty	Papers in Conferences/ Journals
1	Mr. M. V. Rawlani,	Presented a paper entitled "Productivity Assessment And Its Improvement Strategies for Plastic Mat Industry" in National Workshop on Industrial Problems on Machine & Mechanisms Challenges in Manufacturing. On 22 Dec 2016, at Mechanical Engineering Dept. VNIT, Nagpur
2	Mr. P. M. Solanki,	Published a paper entitled "Experimental Investigation on theoretical generator System for performance enhancement " in International Journal of Development Research, Vol-6, Issue 12., Pages 10582-10586, Dec-16 (IF-4.25)
3	Mr. A. R. Bharadwaj	Published a paper entitled, "Effect of Machining Parameters on Metal Matrix Composite", in National Workshop on Industrial Problems on Machine & Mechanisms Challenges in Manufacturing. On 22 Dec 2016, at Mechanical Engineering Dept. VNIT, Nagpur

PHOTO GALLERY



**FDP in association with National Institute of Technical Teachers' Training & Research (NITTTR), Bhopal
Held at SSBT COET, from 13 -18October 2016.**

CERTIFICATE OF ACCREDITATION BY NAAC

