



Amrutvahini Sheti & Shikshan Vikas Sanstha's
Amrutvahini College of Engineering, Sangamner
DEPARTMENT OF MECHANICAL ENGINEERING

Report of the ACTIVITIES during June 2017 to Oct 2017

A. College Level Duties

- **Empanelment of Institute in Unnat Maharashtra Abhiyan:**

Attended the meetings. Proactive approach and follow-up, Proposal Preparation and reort, Visit of IIT Bombay team.

Post empanelment: Attended meeting at MIT Aurangabad, Follow-up for UNICEF WSS workshop, JAM Water project, Getting DPR of 4 schemes from ZP of Nasik and Ahmednagar.

Closely working with UMA team of IIT Bombay and government Authorities.

- **100 Kw Solar Power Project:**

Earlier approach was to install merely 5Kw Solar Power plat at Institute. Studied and prepared project report for 100 KW with cost-benefit analysis and convinced the management to go for more than 100 Kw. Actively Involved in Calling quotations, visiting the plant sites, scrutiny and finalizing the vendor.

- **Cultural Portfolio:**

- ✓ 4 programs were prepared and presented at Sugar Factory on the eve of **15th August**. The programs were well appreciated by the authorities and the audience.

- ✓ The students have participated in **Shahu Modak Karandak** held at Ahmednagar on 29/08/2017

- Participated in Swachchhata Abhiyan organized by NSS on 03/10/2017

- **R&D portfolio:**

- ✓ The Proposals for organizing the Zonal level **Avishkar – 2018** and **Innovation-2018** has been submitted to the BCUD, Savitribai Phule Pune University, Pune.
- ✓ ARC meetings of BCUD. Follow up for 3rd instalment of 2014-2016 RPS grant.
- ✓ Initiated the process for preparation of RPS project and liaison
- ✓ Initiated the process for participation in AVISHKAR 2018.

- **Contribution in University Portfolio:**

Prof. D S Bajaj is working as SWO at Institute level and executed the related work of Earn and Learn scheme effectively.

- **Incubation Centre:**

The department has contributed in realizing the Incubation Centre at Workshop through active involvement in searching the companies, visit to Precision Industries, Sinnar, finalizing the components, liaison; inaugural and MoU signing activity.

B. DEPARTMENTAL ACTIVITIES

GATE 2018

The GATE 2018 comprehensive coaching of 300 + hours has been started in association with Gate Forum, Nasik with effective from 01/06/2017. The students were given only 4 days of summer vacation. Daily 7 years of coaching from 01/06/2017 to 14/06/2017. Afterwards, the classes were held on every Saturday and Sunday. 70 students of final year are being coached.

Remaining students were also motivated to take up GATE and more than 80% students have filled the form.

Summer In-plant Training of 2/3 weeks (30/05/2017 to 15-21/06/2017)

Department has introduced the summer in-plant training to TE Mechanical students. The students, who have not taken up GATE 2018 coaching, were participants. **110 students** were placed in **35 industries** from Nasik, Aurangabad, Hajara, Sangamner etc. The industries include HAL, L&T, M&M, Sugar Factory, Rajhans etc.

Grant Received

1. Grant of **Rs. 24 Lakhs** for SKILL AND PERSONALITY DEVELOPMENT PROGRAMME CENTRE FOR SC/ST STUDENTS (SPDP) from AICTE vide letter no. 65-2/RIFD/SPDP/Policy-1/2016-17 dated 15/05/2017.
2. Grant of **Rs. 7.0 Lakhs** for 2- Week Faculty Development Program on “Competitive Manufacturing Technologies” vide letter no. 6-127/RIFD/FDP/Policy-1/2016-17 dated 6/06/2017.
3. Proposal is **submitted** to BCUD, SPPU Pune for getting the grant of **3.0 Lakh** for organizing International workshop on ‘Additive Manufacturing’.

Proposals Submitted

The Proposals for organizing the Zonal level **Avishkar – 2018** and **Innovation-2018** has been submitted to the BCUD, Savitribai Phule Pune University, Pune.

National Level Technical Competition

The students of TE Mechanical students has formed a group of 25 students to participate in the SAE and MPKV, Rahuri organized TIFAN 2017 competition. The registration process is completed and preparing for the virtual round. The main event will be in March 2018 at MPKV, Rahuri.

Reinstallation of ISHRAE Student Chapter

The student chapter of ISHRAE has been reinstalled in the department on 21/08/2017. 25 students has become registered members of the chapter.

Guest Lectures

Following guest/expert lecturers were conducted during the first semester of AY 2017-18

Sr. No.	Speaker	Affiliation	Topic	Date	Target Audience
1	Mr. Pramod Daspute	PCRA, New Delhi ARS Energy Auditors	Energy Conservation and Audit	06/07/2017	BE (Mech)
2	Mr. Viswajit Karmakar	Dy. Manager Bosch, Nasik	Manufacturing Processes	01/07/2017	SE and TE
3	Mr. Dipankar Aich	Founder and CEO Prakarsa, Pune	IC Engine	04/07/2017	SE
4	Mr. Subhash Talekar	Mumbai Dabbawala Association, Mumbai	Operations Management Simplified	21/07/2017	TE, BE and MBA
5	Mr. Kedar Patki	President, ISHRAE Chapter, pune	HVAC	23/8/2017	BE Mech
6	Mr. Sameer Latkar	Technical Director, Infinite Solutions, Pune	FEA	08/09/2017	BE Mech/Prod
7	Mr. Satish Bhavsar	Maint I/C Graphite India, nasik	Construction and Maintenance of CNC Machines	14/09/2017	BE Mech

Workshops Organized by the Department

Sr. No.	Speaker	Affiliation	Topic	Date	Target Audience
3 days workshop on Geometric Dimensioning and Tolerancing					
1	Mr. AnandBhise	Director, Mechatol, Pune	Geometric Dimensioning and Tolerancing	3 Days 17-19 August 2017	TE and BE (Mech)
1 Day workshop on Non Destructive Testing (NDT)					
2	Mr. LaxmanKanawade Mr. SandipKulkarni	MD, KMPL, Nasik Director, KMPL, Nasik	Non Destructive Testing (NDT)	21/09/2017	SE and BE
1 Day workshop on “Quality Assurance”					
3	Lt. Col. Abhay Kumar	DGQA, Ministry of Defence, Ahmednagar	Quality Assurance	22/09/2017	178 Students TE (A, B & C)
1 Day Workshop on “ Dipex Project Guidance”					
4	Dr. Sunil Ingale Prof. Mahesh Bhonge	Srujan Foundation, Pune	Orientation program on Project	25/09/2017	
1 Day “TIFAN Awareness Workshop”					
1	Shri. Dattatraya Pingale, Krishant Patil and Sandip Adhav John Deere Design Centre, Pune	TIFAN Organizing Committee (2017) (A joint initiative of SAEINDIA and MPKV, Rahuri)	Orientation Program on TIFAN competition	18/09/2017	180 Students TE (A, B & C)

Value Added Courses

Sr. No.	Name of the course	Start date	End date	Duration	Participant s	Fees (Per Student)	Coordinators
1.	CATIA (Apollo Institute, Pune)	15/09/ 2017	30/09/ 2017	60 Hrs.	TE – 82 BE – 53 Total =135	Rs. 1000/-	Prof. P. S. Shivsharan Prof. O. U. Raktate Prof. K. B. Deshmukh Prof. R. E. Gite
2.	ANSYS	30/09/ 2017	15/10/ 2017	60 Hrs.	29 (BE)	Rs. 3000/-	Prof. R. U. Kadlag Prof. M. S. Harne Prof. S. B. Chaudhari

Skill Development Activity:

Students of TE Mechanical (All divisions, 203 students) were taken to **Padmavati Auto, Sangamner** during **19/09/2017 to 25/09/2017** for learning skills of Automotive components dismantling and assembly. The visit was organized in batches for the subject 'Skill Development'

Industrial Visits

Sr. No.	Name of Company/ Industry	Address of Company/ Industry	No. of Students	Class	Date of Visit
1	NEC, Nashik	Nashik	156	BE (A,B & C)	19/09/2017
2	Sahyadri Farmers Producing Company, Nashik	Mohadi, Nashik	156	BE (A,B & C)	19/09/2017
3	Furn Tech Engineers Pvt. Ltd.	Chakan, Pune	52	SE - B	05/07/2017
4	KSB	Ahmednagar	62	TE - B	04/09/2017
5	Ahmednagar Engineering Auto Cluster	Ahmednagar	62	TE - B	04/09/2017
6	Godrej & Boyce Pvt. Ltd.	Vikroli, Mumbai	50	BE (A,B,C)	17/07/2017
7	SahkarMaharshiBhausahab Thorat S. S. K.	Amrutnagar, Sangamner	57	SE - A	01/08/2017
8	SahkarMaharshiBhausahab Thorat S. S. K.	Amrutnagar, Sangamner	56	SE - B	02/08/2017
9	Hindustan National Glass	Malegaon MIDC, Sinnar	48	SE - A	15/07/2017
10	SahkarMaharshiBhausahab Thorat S. S. K.	Amrutnagar, Sangamner	203	TE (A, B, C)	30/08/2017
11	Pumping Station, Jivan Pradhikaran Ghulewadi	Sangamner	203	TE (A, B, C)	20/09/2017

Alumni Interaction

Sr. No.	Name of Alumni	Batch	Contact details	Date	Class Div.
1	Mr. Mahesh Jadhav	2011	(Team Leader, Automation-Design, Onwards Technologies, Pune)	17 th June 2017	For faculties
2	Mr. Kirtiman Shaha	2005	(Admin-HR, TCS, Pune)	23 rd June 2017	For faculties
3	Mr. Dattatrya Jondhale	2011	(Assistance Manager Maintenance-Scorpio TCF, Mahindra & Mahindra)	20 th June 2017	BE (A, B & C)
4	Mr. Satish Ghule	2010	(Assistant Manager, Design, Transparent Energy System, Pune)	01 st July 2017	TE (B&C)
5	Mr. Nishant Godge	2009	(Assistant Manager, Design, Flextronics Pvt. Ltd, Pune)	01 st July 2017	BE (A, B & C) & TE (A)
6	Bipin Bhangare	2016	(Design Engineering CATIA Test, Engineering Services & Technology, Pune)	01 st July 2017	SE (A, B & C)
7	Mr. Atul Pokale	2016	(Executive, PE&PE, Ring Plus Aqua Ltd, Sinnar, Nashik)	01 st July 2017	SE (A, B & C)
8	Sumit Suryavanshi	2016	(Design Engineer, Tech Bin, Nashik)	01 st July 2017	SE (A, B & C)
9	Mr. Sachin Thorat	2016	(Assistant Manager, SCM, Mahindra & Mahindra, Nashik)	01 st July 2017	SE (A, B & C)
10	Mr. Aditya Gaikwad	2016	(Import Disposition Officer, Skoda Auto India, Aurangabad)	01 st July 2017	SE (A, B & C)
11	Mr. Ravindra Nehe	2016	(Student, Preparing for UPSC Examination)	01 st July 2017	SE (A, B & C)
12	Mr. Dipankar Aich	2000	(CEO, & Founder, Prakarsha, Pune)	04 th July 2017	BE (A & B)
13	Mr. Siddharth Maniyar	2014	(Student, Pursuing MS from Germany)	14 th July 2017	BE (A & B)
14	Mr. Vijay Raut	2011	(Irrigation Sector, Kirloskar Brothers Limited, Pune)	22 nd July 2017	TE (A & B)
15	Mr. Abhijit Murkute	2016	(Assistant Engineer, Ring Plus Aqua, Sinnar, Nashik)	29 th July 2017	SE (A & B)

Sr. No.	Name of Alumni	Batch	Contact details	Date	Class Div.
16	Mr. SurajKadane	2017	(GET, Porite India pvt. Ltd. chakan, pune)	29 th Sept 2017	BE (A & B)
17	Mr. Sameer Zawar	2002	Ex. Left Cdr, Indian Navy COO, Yeoman Marine Services, Vizag	19/9/2017	BE (A, B & C)

Training Activities

Sr. No.	Type	Name of Event	Resource Person/Organization	Class & Div.	Conduction Date
1.	Soft skill Training	Aptitude and soft skill development Coaching	GNOSIS PLUS, Jalgaon	BE (All Div)	24 to 26/06/17 08 to 10/07/17 18 to 20/08/17 16 to 18/09/17
2.	Foreign Language Training	German level A1 & A2	Shweta's World of Foreign Language / Ms.Sewa	SE, TE & BE (All Div) 50 Students of Mech Deptt.	01/07/2017 to 27/09/2017
3.	Foreign Language Training	Japanese N5	STEP UP Academy, Pune	TE & BE (All Div)	Semester Thu, Fri & Sat

Practicals Conducted by Other colleges at Deptt.

Sr. No.	Visiting College	Subject	Date of Conduction	Number of Students	Coordinator
1.	Gautam Polytechnic	Power Engineering	22/09/2017	40	Prof. O. U. Raktate
2.	PVG Nashik	Thermodynamics	29/09/2017	42	Prof. N. H. Tambe Prof. P. B. Wakchaure

MESA activities

1. Trekking

The Adventure club (MESA) arranged adventural visit to “**PattaKilla (Vishramgad)**” on **10th September 2017**. Total 76 students participated in the trekking activity with companions of Prof. K. S. Phad, Prof. A.S.Shinde and Prof. D. S. Bajaj. Students also cleaned the PattaKilla (Vishramgad) area to give a social message regarding cleanness of heritage sites.

2. Quiz Competition

MESA organized a quiz competition on 18/09/2017. 150 students participated in the competition out of which following 20 students were shortlisted for the next round.

The final round of competition was held on 21/09/2017. Winners of the competition were:

1. Chaudhari Shruti B. (BE-A); 2. Kadam Vishal K. (SE-A)

Prof. R. R. Vilhekar coordinated the competition.

3. Essay Writing Competition & Poster Presentation Competition:

MESA conducted an “Essay Writing Competition” and “Poster Presentation Competition” on the topic “Goods and Service Tax (GST)” for the students of S.E, T.E and B.E Mechanical. 13 students participated in essay competition and 04 students participated in Poster presentation competition. Following students were selected as winners for the competitions:

4. Group Discussion Competition:

MESA organized a Group Discussion competition for SE, TE & BE students during 19th to 21st September. Following students were shortlisted to represent the department in MEDHA.

1. Omkar Gaikwad (TE A)
2. Dodake Mayur (TE C)
3. Landge Rushikesh (BE A)
4. Shetty Divya (BE C)
5. Koli Ashish (TE B)

The student coordinators for the competition were Miss. Yogita Nawale and Mr. Avdhoot Chandole. The staff coordinators were Prof. E. T Bayas and Prof. S. B. Chaudhari.

5. Extempore

MESA organized a Group Discussion competition for SE, TE & BE students on 20/09/2017. 44 students participated in the competition.

Winners of the competition were: Gaikwad Omkar, TE-A and
Kotpalliwar Ganraj, TE-B

Prof. M. B. Shirke and Prof. Y. J. Wagh coordinated the competition.

6. Sports

Mesa organized following sports during 11/09/2017 to 15/09/2017:

Cricket- All Divisions from SE to BE, 1st – SE (A); 2nd – BE (B)

Chess- Open for all, 1st – GorakshanathBhambare TE (A); 2nd – Pratik Kardile TE (A)

Carrom (Single Player): Boyz and Girls

Carrom (Double Player); Binnar Suraj BE(C); Patil Dipraj BE(C)

Table Tennis: Vaibhav Gossavi

Dr. V. D. Wakchaure

Prof. and Head,

Mechanical Engineering Department