



Shri Vileparle Kelvani Mandal's

Dwarkadas J. Sanghvi College of Engineering

(Approved by AICTE and Affiliated to the University of Mumbai)



ACADEMIC REPORT

(July 2014-May 2015)



DEPARTMENT OF PRODUCTIONENGINEERING

Editors – Harshil Shah (BE Production)

Rohan Nayak (BE Production)

INDEX

Sr. No	Content	Page no.
1.	About the Department	1
2.	Administration	2
3.	Student Chapters	3
4.	Achievements	12
	4.1 Faculty Publications / Workshop (STTP)	12
	4.2 Students Extra-Curricular Activities.	19
	4.3 Industrial Training & Project	21
5	Result Analysis	22
6.	Placement Data	23
7.	Staff	24
	7.1 Teaching	24
	7.2 Non-Teaching	24
	7.3 Visiting	25

1. DEPARTMENT OF PRODUCTION ENGINEERING

Mission:

To strive for academic and overall development of our students to satisfy the needs of Industry and Society.

Vision:

To create Production Engineering talent by continually improving the Teaching Learning process.

Objective:-

1. To imbibe techniques, skills, and modern engineering tools such as computer aided design, analysis & simulation tools necessary for engineering practices.
2. To create an ambience in which new ideas and cutting-edge research flourish through effective curriculum and infrastructure so as to produce the leaders and innovators of tomorrow.
3. To inculcate integrity in technical education and to develop an ability to design a system, component, or process to meet desired needs within realistic constraints. Such as economic, environmental, social, political, ethical, health and safety, manufacturability and sustainability.
4. To undertake collaborative projects and consultancy for long term interaction with the academia and industry.

About the Department:

- Production Engineering Department of Dwarkadas J. Sanghvi College of Engineering was set up in 1994, the year in which the institute was established. The department has 14 full time well qualified faculty and 11 Non-Teaching staff.
- Intake: BE: 30 Students
- Department has well equipped laboratories for various subjects as per recommendations of University of Mumbai.
- All the laboratories are fully air-conditioned & are equipped with latest instruments and high end experimental setups, lab records, lab manuals, User manuals, journals etc. Relevant software's are installed on all the desktops in laboratories.
- Computers, laptops, printers, scanners, internet and intranet facilities are available in lab for the students. Students and faculty have easy access to all the facilities in the department throughout the year.
- The department runs three professional student chapters viz. SAE, ISME, and ISHRAE which help to enhance the skills of the student and also to add value in the process of acquiring knowledge.

Courses offered

- B.E. Production Engineering.

2. ADMINISTRATION

Sr.No.	Areas of Work	Coordinator
1	Overall administrative coordination	Prof. Naresh C. Deshpande
2	Industrial Training and Interactions	Prof.(Mrs.) Trupti Markose
3	Examinations	Prof.(Mrs.) Trupti Markose
4	Departmental Library	Prof. Naresh C. Deshpande
5	Work Shop /Machine Shop	Prof. Mehul S. Prajapati & Prof. Sandip H. Mane
6	Attendance Monitoring	Prof. Amit A. Chaudhari & Prof.(Mrs.)Meeta N. Gandhi
7	Monthly Report	Prof.(Mrs.)Meeta N. Gandhi
8	Daily Report	Prof. Naresh C. Deshpande
9	Coordination with Placement	Prof. Avadhut A. Samant & Prof. Sanket D. Parab
10	Time-Table / Teaching Load	Prof. Mehul S. Prajapati & Prof. Sandip H. Mane
11	Stock Taking & Infrastructure Maintenance	Prof. Avadhut A. Samant & Prof. Amruta A. Rane
12	Continuous NBA monitoring & coordination	Prof. Naresh C. Deshpande & Prof. Sandeep R. Vaity
13	Alumni association activity coordination	Prof.(Mrs.)Meeta N. Gandhi
14	Visiting Faculty Coordination	Prof. Sandip H. Mane
15	ISHRAE Coordination	Prof.(Mrs.)Meeta N. Gandhi
16	SAE Coordination	Prof. Sandip H. Mane
17	ISME Coordination	Prof. Sanket D. Parab

3. STUDENT CHAPTERS

3.1 Indian Society of Manufacturing Engineers (ISME)

GUEST LECTURES

(i) An invited talk on ‘Total Quality Management’ by Mr KB Bharati (Director, QCFI India) focused on improvement of quality and implementation of Total Quality Management Concepts in Indian Manufacturing Industry.

(ii) ISO/TS 16949 Automotive Standards Value Added Programme was conducted on September 12 to September 14, 2014 by Mr J. Sathe wherein he inculcated and explained the role of critical analysis in any task/process/product/design.

(iii) An invited talk on ‘Made in India From an Idea to Reality’ by Dr. B Ravi Professor IIT Bombay on 23rd September 2014 emphasized the use of E Foundry and ORTHOCAD.

(iv) L&T Technical Lecture Series

Date: - 29th , 30th January

Organized by: - ISME

Organized For: - TE & BE PRODUCTION & MECHANICAL STUDENTS.

Conducted by: - L & T Switch Gear.

A technical lecture series on New Product Design Process was conducted by L&T in our college on 29th and 30th January 2015 under two student chapters of our college- ISME (Indian society of manufacturing engineers) and SAE (society of automotive engineers) .Many managers, senior deputy managers and the Principal of L&T Institute Of Technology visited our college and interacted with our students and also shared their work which they had done as employees of the well renowned company.

Students from second, third and fourth years from Mechanical, Production and Electronics Engineering branches took part in the event.

On the first day i.e. 29th January, a film on L&T was showed to the students along with address given by Mr. Ashok Basak (IAS,CEO SVKM) and Mr. Bharat Sanghvi (Trustee,SVKM, Chairman Governing council DJSCE).

Lectures on the following topic were given:-

29th Jan:

- 1) Product design life cycle and Q&A by Mr. Amit Chaturvedi , Assistant General Manager, L&T
- 2) Precision tooling required for EAIC product design and Q&A by Mr. Kiran Waghle, Assistant General Manager, L&T
- 3) DFSS and Q&A by Mr. Ashish Malick, Deputy General Manager, L&T
- 4) Manufacturing in EAIC and Q&A by Mr. Vinod Mahindrakar, Sr. Deputy General Manager, L&T

30th jan:

- 1) Challenges on implementing international standards and testing the products by Mr. M C Dave, Ex Deputy General Manager, L&T
- 2) Embedded system design and its application in EAIC by Mr. Vishal Sinha, Manager, embedded design and development, L&T

Also, on the second day, a competition was held in which 21 teams took part. The teams consisted of students from mechanical, production and electronics branches of our college. The students were given a challenge to design an 'Energy efficient smart home'. The students applied their technical knowledge and designed various smart homes and one team was declared as the winner. The winning team was given prizes from L&T and also was given a chance to do an internship come project training in L&T.

(v) An Invited talk on "Campus to Corporate" by our alumnus Mr Darshit Shah was conducted on 11th February 2015.

SEMINAR & WORKSHOPS -

(i) 3D Printing Workshop

Date:- 27,28th February 2015

Organized by:- ISME

Organized For:- SE, TE & BE PRODUCTION & MECHANICAL STUDENTS.

Conducted by:- 3D Ware

An introductory workshop on '3D Printing and additive manufacturing technology' was conducted by ISME on 27,28th February 2015. Various topics covered under the workshop were:-

- 1) The 3rd Revolution
- 2) The 3d Opportunity and additive manufacturing
- 3) The technical aspects and introduction to Online communities

Students from Mechanical and Production Engineering Departments from 3rd and 2nd year attended this workshop. Around 84 students registered. Also, Hands-on experience was given to the participants and actual 3D machines were brought. Students were given the opportunity to print actual 3D models.

VAP (VALUE ADDED PROGRAM) COURSE -

(i) ANSYS TRAINING

Date of Commencement:- 7th February 2015

Organized by:- ISME

Organized For:- SE & TE PRODUCTION STUDENTS.

Conducted by:- CADD CENTER , ANDHERI

Keeping in view the fierce competition the students have to face in outside world & need for skill expertise. ISME has organized 60 hours training session on ANSYS in collaboration with CADD Centre. 2 hours slot is kept empty on last three days of week so that student can easily complete this VAP course during college hours also

student get this courses at discounted rates. 15 students registered for this VAP course.

(ii) Seminar-cum-Project Competition "Expanding Horizons in Manufacturing Sector" -

Date:- 16,17th MARCH 2015

Organized by:- ISME (Jointly organized by Production & Mechanical Department.)

Organized For:- TE & BE PRODUCTION & MECHANICAL STUDENTS.

D.J.Sanghvi College of Engineering is organized a 2 day Seminar-cum-Project Competition "Expanding Horizons in Manufacturing Sector" having theme "Make in India". Seminar sessions were organized on the following Topics:

-Manufacturing Sector:- Ongoing scenario/Emerging technology

-Rapid prototyping & Rapid Tooling.

-Innovations in Energy conservation.

-New Age Materials

-CAE solutions for Manufacturing

-Product life cycle Assessment.

Experts from leading manufacturing Industries & technical institutes of repute like IIT, Bombay, Imagnerium, CADD Center etc. delivered interesting sessions on above topic. Around 28 teams participated in this competition of which 11 were from our own college (5 from Production Department & 6 from Mechanical Department). The students enthusiastically explained their projects. After evaluating all Projects for 2 days 3 prizes were declared of which 3rd prize was bagged by Team from Mechanical department of our college. In all participants enjoyed the theme as well arrangement done for event.

Industrial Visit's

(i) Industrial Visit to Godrej and Boyce Ltd.

Date: - 26th February 2015

Place: - 'Godrej and Boyce' Ltd.

Conducted by: - Production Department, DJSCE

Faculty In charge: - Prof. Sanket Parab

An industrial visit was conducted for 2nd and 3rd year students from Production Engineering Department on 26th February 2015 to 'Godrej and Boyce' Ltd. (Vikhroli-west). The students got an opportunity to visit plant 7 (Godrej tooling division). Various types of dies and press tools used in various automobile companies were shown to the students. Also, a corporate presentation and safety briefing by Godrej Tooling Business was given. Main intention of the I.V was to orient students so that they will get clear insight of Industry so that it will be easier for them when to adapt to company environment when they do implant Training. The students also visited the Corporate Showroom in which various products manufactured by the company were displayed.

(ii) Industrial Visit to L&T's C-TEA (Centre for Technology & Engg. Application)

Date: - 11th March 2015

Place: - L&T, Madh

Conducted by: - Production Department, DJSCE

Faculty In charge: - Prof. P.K.Shah, Prof. S.R.Vaity

Students of T.E.Production (SemVI) visited C-TEA (Centre for Technology & Engg. Application) at L&T, Madh on 11th March 2015. It was one day visit from 9am-5:30pm. Following were the highlights of Visit:-

1. **Lecture on Industrial Safety (2hrs)** – 1 hour presentation by Safety expert of L&T on Industrial safety followed by 1 hour visit to the safety gallery.
2. **Hands-on session on press tools (2hrs)** - Two hours were spent in dismantling & assembling shearing dies & bending dies.
3. **Welding / Fabrication of a Stool (Table) (4hrs)** - Four hours were spent in fabrication of stool (table) involving activities like marking for cutting , SMAW welding , hacksaw cutting , hand grinding , filing , application of primer & paint on the job . The task was performed by students in group of four wearing their individual PPE's(Personal Protective Equipment)

(iii) Industrial Visit to Amtek Forging and Volkswagen, Chakan

Date: - 9th April 2015

Place: - Chakan, Pune

Conducted by: - Production Department, DJSCE

Faculty In charge: - Prof. R.S.Khavekar, Prof. Sanket Parab

An industrial visit was conducted for 3rd year students from Production Engineering Department on 9th April 2015 to 'Amtek Forging' and 'Volkswagen' at Chakan, Pune. A total number of 35 students visited the companies. The students first visited the forging company wherein they got an opportunity to actually see the forging process which is related to a subject in present semester i.e. MMFT and various material handling systems of the company. Later, the students visited the Volkswagen plant in which they visited the assembly line of the Volkswagen cars and also saw the car manufacturing processes step by step of cars like polo, vento & rapid. Students also got opportunity to see fully automated welding section of plant. The questions of the students were also answered by one of the official at the plant.

3.2 Society of Automotive Engineers (SAE)

Society of Automotive Engineers, student chapter was one of the very first and the largest student chapter in DJ Sanghvi College of Engineering in terms of number of students of Mechanical and Production Engineering inducted in the chapter. Considering that SAE student chapter is among the youngest in DJ Sanghvi, the organizing committee managed to put-up numerous events which include competitions, industrial visits, guest lectures, workshops and value added programs.

(i) Value Added Programs

Solid Works Modelling Software Training conducted between August 2014 and December 2014 in premises of Production Engineering Department, by CADD Centre Mumbai. German Language classes conducted between January 2015 and May 2015 in the premises of Production Engineering Department, by Mrs.Ujwal Anil a language consultant.

(ii) Competitions

Participated in Formula Student Germany an International Race Car Design Competition conducted by SAE International in July – August 2014 at Hockenheimring, Germany. Participated in BAJA Student India – National Level Off-road Racing Competition conducted by SAE India in collaboration with TATA Motors in January 2015. DJS Skylark is the official Aero Design Team of D. J. Sanghvi college of Engineering under SAE student's chapter. The team wanted to design an aircraft credible enough to be able to compete at an international level with the best teams in the world. The team represented our college on an international level by participating in the SAE Aero Design East competition which was held this year at Lakeland, Florida from 13th March to 15th March 2015 and it stood 17th worldwide and 2nd in India in our category.

(iii) Guest Lectures

Talk on “3D printing, a New Tool to Unlock Fragile Ideas” on 19th September, 2014 by Dr. Guruprasad Rao (Director-Technology & Operations at Imaginarium India Pvt. Ltd.) Research Scholar at Indian Institute of Technology, Bombay. An invited talk on “Engineering Capabilities in Process Equipment Management” by Mr Alex Tellis of M/s Godrej and Boyce Ltd. Vikhroli was conducted on 4th February 2015.

A Guest lecture was held on “Jet Propulsion Engine” by Mr F A Shaikh of Air India on 2nd March 2015.

3.3 Indian Society of Heating Refrigeration and Air Conditioning Engineers (ISHRAE)

This is a society aimed at advancement of the sciences of Heating, Refrigerating and Air Conditioning Engineering and related sciences. It imparts education in the fields of Air-Conditioning, Refrigeration and Allied Sciences by conducting training courses, workshops, seminars and by awarding diplomas or certificates. This student chapter was started in this academic year. Though it being a very young student chapter, has organized many events like seminars, industrial visits, technical visits and value added programs.

(i) Value Added Program

Workshop on assembly and disassembly of air-conditioner 9th August'2014.
ANSYS software training. From September'14 –December'14 by CADD Centre.

Workshop on assembly and working of Refrigerators by M/s Himalaya Cool Services on 9th February 2015. The Workshop was conducted by industry professionals with more than 15 years of experience. It included live demonstration of the assembly and working of a domestic refrigerator. The speakers also showed the working of an industry-level compressor assembly.

(ii) Guest Lectures

Seminar on Career Opportunities Abroad September' 2014 by Ms. Purvi Tantia from Ace Consultancy.

An Invited talk on “Solar energy” by Ankit Barasia, Director-Solar Inertia was conducted on 11th February 2015.

A Guest lecture was held on “Piping” by M/s Suvidya Institute of Technology, Santacruz on 13th March 2015.

(iii) Industrial Visits

Visit to Prijay Heat Exchangers dated 28th August 2014 by experienced professional's from Himalayan Cool Services.

3.4 Robotics and Automation Society (R.A.S)

R A S is an inter departmental society under branch of Production and Mechanical Engineering, this student chapter was one of the very recent and aimed to be largest student chapter in DJ Sanghvi College of Engineering in terms of number of students . Considering that RAS student chapter is among the youngest in DJ

Sanghvi, the organizing committee planned to conduct numerous events which include competitions, industrial visits, guest lectures, workshops and value added programs.

D J Sanghvi College of Engineering's "Robotics and Automation Society (RAS)", participated in Robocon India 2015 held by MIT, Pune from 3rd March to 7th March. The Asia-Pacific Robot Contest (ABU Robocon) is an Asian Oceanian College robot competition in which a robot or a set of robots are given a task to complete within a given time frame. The theme for year 2015 was "ROBOMINTON: BADMINTON ROBO-GAME". This 17 year, the country level competition was held at Balewadi Stadium by MIT, Pune. Our college participated in this competition for the first time so our main intention was to create awareness about this competition which would give a good technical exposure.

4. Achievements

4.1 Faculty Publications / Workshop (STTP)

Sr. No	Faculty	Paper Presented in / Journal / Conference
01	Dr. Hari Vasudevan Principal & HOD Production Engg.	<p style="text-align: center;">International Journal</p> <ol style="list-style-type: none"> 1. “Grey Fuzzy Multiobjective Optimization of Process Parameters for CNC Turning of GFRP/Epoxy Composites” accepted for publication in the International Journal “Procedia Engineering” by ELSEVIER. Expected date of publication 2nd week of December 2014 (with Naresh Deshpande and Ramesh Rajguru). 2. “Demystifying Knowledge Management in Indian Manufacturing SMEs” accepted for publication in the International Journal “Procedia Engineering” by ELSEVIER. Expected date of publication 2nd week of December 2014 (with Chavan Anup). 3. “Multiobjective Optimization of Drilling Characteristics for NEMA G -11 GFRP/Epoxy Composite using Desirability Coupled with Taguchi Method” accepted for publication in the International Journal “Procedia Engineering” by ELSEVIER. Expected date of publication 2nd week of December 2014 (with Naresh Deshpande and Ramesh Rajguru). 4. “Knowledge Management Practices in Indian Manufacturing MSMEs: Challenges and Opportunities” by ELSEVIER. Expected date of publication 2nd week of December 2014 (with Chavan Anup). 5. “A study on Edge Milling Operation of NEMA G11 GFRP Composites based on Grey-Taguchi method” published in the International Journal Applied Mechanics and Materials, (Volumes 592-594), pp.18-22, July 2014 - ISBN: 13: 978-3-03835-163-4 (with Ramesh Rajguru and Naresh Deshpande).

6. "Emerging Supplier Selection Criteria in the Context of Traditional Vs. Green Supply Chain Management" in the International Journal of Managing Value and Supply Chains (IJMVSC), Vol.5, No.1, March 2014, pp.19-33, ISSN: 0976-979X (with Deshmukh Ashish).

7. "Investigation of the Machinability Characteristics of GFRP/Epoxy Composites using Taguchi Methodology", in the journal "Applied Mechanics and Materials" (Volume 612), pp.123-129, August 2014, ISSN 1662-7482 (with Deshpande Naresh and Rajguru Ramesh).

8. "Desirability Fuzzy Multiple Criteria Optimization of Process Parameters in CNC Turning of GFRP/Vinyl ester Composites" in the International Journal "Procedia Materials Science" by Elsevier, Volume: 5 (2014), pp.2458-2467 (with Deshpande Naresh and Rajguru Ramesh).

9. "Experimental Investigation and Optimization in Edge Milling of NEMA G-11GFRP/Epoxy Composites" in the International Journal "Procedia Materials Science" by Elsevier, Volume: 5 (2014), pp.2105-2114. (with Rajguru Ramesh and Deshpande Naresh).

10. "Exploring the Potential of Remanufacturing in Indian Industries for Sustainability and Economic Growth" in the International Journal of Business Management and Research (IJBMR)', ISSN (P):2249-6920; ISSN (E):2249-8036. Trans Stellar Publications. Vol.4, Issue 1, pp: 25-38, 2014, (with Kalamkar Vilas, Sunnapwar Vivek & Terkar Ravi).

International Conference

1. "Utility Fuzzy Multicriteria Optimization of Process Parameters in CNC Turning of GFRP/Vinyl ester Composites" presented and published in the ICMMM2014, International Colloquium on Materials, Manufacturing and Metrology, held at Indian Institute of Technology Madras, Chennai, during August 8-9, 2014 (with Naresh Deshpande and Ramesh Rajguru).

2. "Grey fuzzy optimization of milling parameters for G-11 GFRP/Epoxy composites with multiple performance characteristics" presented and published in the ICMMM2014, International

Colloquium on Materials, Manufacturing and Metrology, held at Indian Institute of Technology Madras, Chennai, during August 8-9, 2014 (with Ramesh Rajguru and Naresh Deshpande).

3. “Multi Criteria Decision Making using Fuzzy Inference System: A Case in Manufacturing” in the ICCICT 2014 conference held at Noorul Islam centre for higher education Noorul Islam university Kumaracoil, Tamilnadu, India, during July 10-11, 2014, published in the IEEE Xplore Digital Library (with Naresh Deshpande and Ramesh Rajguru).

4. “Utility Fuzzy Multiobjective Optimization of Process Parameters for CNC Turning of GFRP/Epoxy Composites” paper accepted for presentation in the 5th International and 26th All India Manufacturing Technology, Design and Research Conference - “AIMTDR 2014” being organized by the Department of Mechanical Engineering, IIT Guwahati, India from December 12-14, 2014 (with Naresh Deshpande, Ramesh Rajguru, Sandip Mane).

5. “Experimental Investigation and Optimization of Milling Parameters in the Machining of NEMA G - 11 GFRP Composite Material using PCD Tool” paper accepted for presentation in the 5th International and 26th All India Manufacturing Technology, Design and Research Conference - “AIMTDR 2014” being organized by the Department of Mechanical Engineering, IIT Guwahati, India from December 12-14, 2014 (with Ramesh Rajguru, Naresh Deshpande, Sandip Mane).

6. “An Experimental Investigation into the Optimization of Cutting Force in CNC Turning of Woven Fabric based GFRP/Epoxy Composites using PCD Cutting Tool”, in the International Conference on Design, Manufacturing and Mechatronics (ICDMM-2014) organized by KJEI’s Trinity College of Engineering and Research, Pune from 9th to 10th

January 2014 (with Deshpande Naresh, Rajguru Ramesh).

Trinity College of Engineering and Research, Pune from 9th to 10th January 2014 (with Mane Sandeep, Deshpande Naresh and Rajguru Ramesh).

02	Prof. E Narayanan Mentor Professor	<ol style="list-style-type: none"> 1. He was the advisory board member of India's premier journal for the plastic, polymers and packaging industries (PIP). 2. He was the Chairman of the publication committee of the leading professional body "Indian Plastic Institute" 3. He was the Chief editor of leading technical journal (IPI Journal) 4. He was the advisory board member for ISME organized seminar and project competition. 5. Rendered consultancy services to industries like Surgi Tools Ltd., Prospect Electrical & Engg. Co., Polymoulds Ltd., Crompton Greaves Ltd., C.G. Lucy Ltd., CTR Ltd., Polyset Plastics Ltd., Subir Precision Industries Pvt. Ltd., etc.
03	Prof. N C. Deshpande (Department In-Charge)	<p style="text-align: center;">International Journal</p> <ol style="list-style-type: none"> (1) "Grey Fuzzy Multiobjective Optimization of Process Parameters for CNC Turning of GFRP/Epoxy Composites" in Elsevier Journal "Procedia Engineering" vol. 97 (2014) pp. 85 – 94 (doi: 10.1016/j.proeng.2014.12.228) (with Dr. Hari Vasudevan and Ramesh Rajguru) (2) "Multiobjective Optimization of Drilling Characteristics for NEMA G -11 GFRP/Epoxy Composite using Desirability Coupled with Taguchi Method " in Elsevier Journal "Procedia Engineering" vol. 97 (2014) pp. 522 – 530 (doi: 10.1016/j.proeng.2014.12.278) (with Dr. Hari Vasudevan and Ramesh Rajguru) (3) "A study on Edge Milling Operation of NEMA G11 GFRP Composites based on Grey-Taguchi method" in the international journal Applied Mechanics and Materials - ISSN:660-9336,(doi:10.4028/www.scientific.net /AMM.592-594.18) Vols. 592-594 (2014) pp.18-22, (with Dr. Hari Vasudevan and Ramesh Rajguru) (4) "Desirability Fuzzy Multiple criteria Optimization of Process Parameters in CNC Turning of GFRP/ Vinyl ester Composites" in Elsevier published Journal "Procedia Material Science" Vol. 5 (2014) pp. 2458 – 2467 (with Dr. Hari Vasudevan and Ramesh Rajguru). DOI: 10.1016/j.mspro.2014.07.497 (5) "Experimental Investigation and Optimization in Edge Milling of NEMA G-11 GFRP/Epoxy

Composites” presented in Elsevier published Journal “Procedia Material Science” Vol. 5 (2014) pp. 2105 – 2114 (with Dr. Hari Vasudevan and Ramesh Rajguru).DOI: 10.1016/j.mspro.2014.07.546

(6) “Investigation of the Machinability Characteristics of GFRP/ Epoxy Composites using Taguchi Methodology” in the international Journal of Applied Mechanics and Materials (AMM) Vol. 612 (2014) pp 123-129, as a special volume titled “Advanced Research in Design, Manufacturing and Materials”. Published by Trans Tech Publications LtdSwitzerland,doi:10.4028/www.scientific.net/A MM.612.123) (with Dr. Hari Vasudevan and Ramesh Rajguru).

International Conference

(1) “Utility Fuzzy Multiobjective Optimization of Process Parameters for CNC Turning of GFRP/Epoxy Composites”, presented in the International conference on All India Manufacturing Technology, Design and Research (AIMTDR-2014) held at Indian Institute of Technology Guwahati, Assam, India during December 12-14, 2014. (ISBN: 978-8-19274-610-4) (with Dr. Hari Vasudevan and Ramesh Rajguru)

(2)“Experimental Investigation and Optimization of Milling

Parameters in the Machining of NEMA G -11 GFRP Composite Material using PCD Tool”, presented in the International conference on All India Manufacturing Technology, Design and Research (AIMTDR-2014) held at Indian Institute of Technology Guwahati, Assam, India during December 12-14, 2014. (ISBN: 978-8-19274-610-4) (with Dr. Hari Vasudevan and Ramesh Rajguru)

(3) “Utility Fuzzy Multicriteria Optimization of Process Parameters in CNC Turning of GFRP/ Vinyl ester Composites” presented in the ICMMM2014 conference held at Indian Institute of Technology Madras, Chennai, during August 8-9, 2014. (ISBN 978-93-80689-18-0) (with Dr. Hari Vasudevan and Ramesh Rajguru)

		<p>(4) “Grey fuzzy optimization of milling parameters for G-11 GFRP/Epoxy composites with multiple performance characteristics” presented in the ICMMM2014 conference held at Indian Institute of Technology Madras, Chennai, during August 8-9, 2014. (ISBN 978-93-80689-18-0) (with Dr. Hari Vasudevan and Ramesh Rajguru)</p> <p>(5)“Multi Criteria Decision Making using Fuzzy Inference System : A Case in Manufacturing” presented in the ICCICCT 2014 conference organized by Noorul Islam centre for higher education, Noorul Islam university, Kumaracoil, Tamilnadu, India, from July 10-11, 2014. pp.1280 – 1286. (ISBN: 978-1-4799-4191-9) (doi:10.1109/ICCICCT.2014.6) (IEEE Xplore) (with Dr. Hari Vasudevan and Ramesh Rajguru)</p> <p>(6)“An Experimental Investigation into the Optimization of Cutting Force in CNC Turning of Woven Fabric based GFRP/Epoxy Composites using PCD Cutting Tool” presented in the International Conference on Design, Manufacturing and Mechatronics organized by Trinity college of engineering and research Pune, Maharashtra, from 9th – 10th Jan.2014 . (with Dr. Hari Vasudevan and Ramesh Rajguru)</p> <p style="text-align: center;">National Conference</p> <p>(1) “Analysis of Compliant Cellular Materials for Potential Industrial Applications” in the National Conference on Innovation in Futuristic Materials & Manufacturing Techniques [IFMMT-2014], during 26th and 27th December 2014, organized by Department of Mechanical Engg., School of Engg. And Tech., Manipal University, Jaipur. (with Umang Dadhich and Ometz Elijah)</p>
04	Prof. S H. Mane	<p style="text-align: center;">International Conference</p> <p>1. “Utility Fuzzy Multiobjective Optimization of Process Parameters for CNC Turning of GFRP/Epoxy Composites” paper accepted for presentation in the 5th International and 26th All India Manufacturing Technology, Design and Research Conference - “AIMTDR 2014” being organized by the Department of Mechanical</p>

		<p>Engineering, IIT Guwahati, India from December 12-14, 2014 (with Dr. Hari Vasudevan Naresh Deshpande, Ramesh Rajguru).</p> <p>2. “Experimental Investigation and Optimization of Milling Parameters in the Machining of NEMA G -11 GFRP Composite Material using PCD Tool” paper accepted for presentation in the 5th International and 26th All India Manufacturing Technology, Design and Research Conference - “AIMTDR 2014” being organized by the Department of Mechanical Engineering, IIT Guwahati, India from December 12-14, 2014 (with Dr. Hari Vasudevan Ramesh Rajguru, Naresh Deshpande,).</p>
--	--	--

Sr. No.	Faculty	Workshop / Seminar / Guest Lecture / Technical Talk
01	Prof. N C Deshpande	<p>i) Participated in one day workshop on “Outcome based education for the faculty members of technical education” organized by NBA, New Delhi on 7 th sept 2014 VJTI, Mumbai.</p> <p>ii) Delivered an Expert talked on “Low Cost Automation” at the national seminar on Affordable Technologies for SME sector in INDIA held on 27 th March 2015 at Lala Lajpatrai Institute of Management, Mahalaxmi, Mumbai</p> <p>iii) Reviewer for Elsevier published International Journal of “Taiwan Institute of Chemical Engineers”</p>
02	Prof. S R Vaity	Participated in one day workshop on “Outcome based education for the faculty members of technical education” organized by NBA, New Delhi on 7 th sept 2014 VJTI, Mumbai.
03	Prof. M S Prajapati	Completed one week Training Programme on Introduction to PLM conducted through DesignTech System Ltd. in July 2014
04	Prof. Sanket Parab	Attended a workshop on “Altair Hyperworks and 3D printing” on 10 Feb. 2015 at Fr. C. Rodrigues Institute of Technology, Bandra, Mumbai.
05	Prof. Dhananjay S. Shukla	Attended a workshop on “Altair Hyperworks and 3D printing” on 10 Feb. 2015 at Fr. C. Rodrigues

		Institute of Technology, Bandra, Mumbai.
06	Prof. Amruta Rane	Completed one week Training Programme on “DFMA- Efficient Product Design Cost Conscious Manufacturer” organized by Mechanical Engg. Dept. under TEQIP Phase-II in collaboration with D-ESPAT Pvt. Ltd., Chennai from 18 th to 22 nd May 2015

4.2 Students Extra-Curricular Activities.

TE-Production

Sr.No.	SAP ID	Name	Achievements
1.	60012120009	Yash Kothari	HOD of Logistics in TRINITY 2015
2.	60012120027	Krunal Sonpal	HOD of Nights in TRINITY 2015
3.	60012138001	Karan Gandhi	Head of Inter-department in TRINITY 2015
4.	60012120002	Ayush Chowdhari	1.Sports Secretary in Shri Mahavir Jain Vidyalaya. 2.Organised National Level Inter Hostel Tournament.
5.	60012120003	Umang Dadhich	1.ISME Secretary 2.Won 1st prize in National level technical paper presentation at Manipal University. 3. Runner up at Mumbai local network in Present Around the World competition organized by The Institution of Engineering & Technology
6.	60012120005	Ometz Elijah	1.Publicity Head in ISME 2. Won 1st prize in National level technical paper presentation at Manipal University

7.	60012120009	Yash Kothari	1.Members of Aero Design Team SKYLARK 2.Participated in SAE Aero Design Competition in Lakeland, Florida and Ranked 17th in World & 2nd in India 3.Organised a workshop of Aero Modeling
	60012120008	Ashutosh Khatri	
	60012120009	Pratik Parab	
8.	60012120013	Ronak Mehta	1.Member of DJS Kronos 2.Participated in BAJA SAE India 3.Participated in BAJA Student Delta

SE-Production

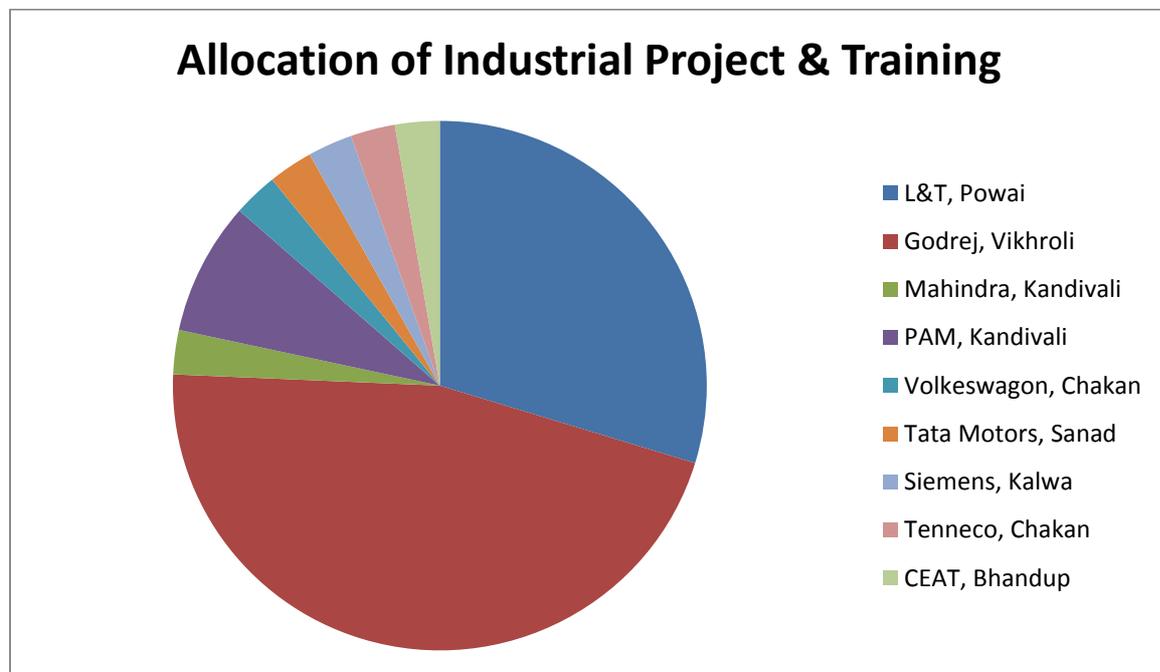
Sr.No.	SAPID	Name	Achievements
1.	60012130011	Saurabh Latad	1.Badminton head trinity 2.DJ Badminton captain 3.Won Singles and team event at trinity. 4.Finished 3rd in team event at KJ and ICT's sports fest
2.	60012130005	Aakash Chheda	Team members of DJ Kronos & participated BAJA Student India (BSI) 2015 held in Jamshedpur from 7 th to 11 th January 2015.
	60012130006	Harshvardhan Desai	
	60012130014	Pooja Palkar	
	60012130021	Parth Sanghvi	
3.	60012130020	Smit Raval	Team member of Skylark i.e. official Aero Design Team of D.J. Sanghvi College of Engineering, Mumbai. <u>Achievements</u> : 2 nd rank in India & 17 th rank worldwide for SAE Aero Design Competition 2015 held in Florida, United States of America in the month of March, 2015.
4.	60012130016	Gaurav Pande	Publicity committee of ISME
5.	60012130027	Mahesh Shelat	Publicity committee of ISME

4.3 Industrial Training & Project

To help to correlate the lessons learnt in theory and actual practices followed in the Industries & to get tuned to work under the atmosphere of factory discipline students are sent to various companies for doing Industrial Training and Project. These Projects are sponsored by respective companies.

Following are the list of companies which gave project to our B.E. students for academic year 2014-15:

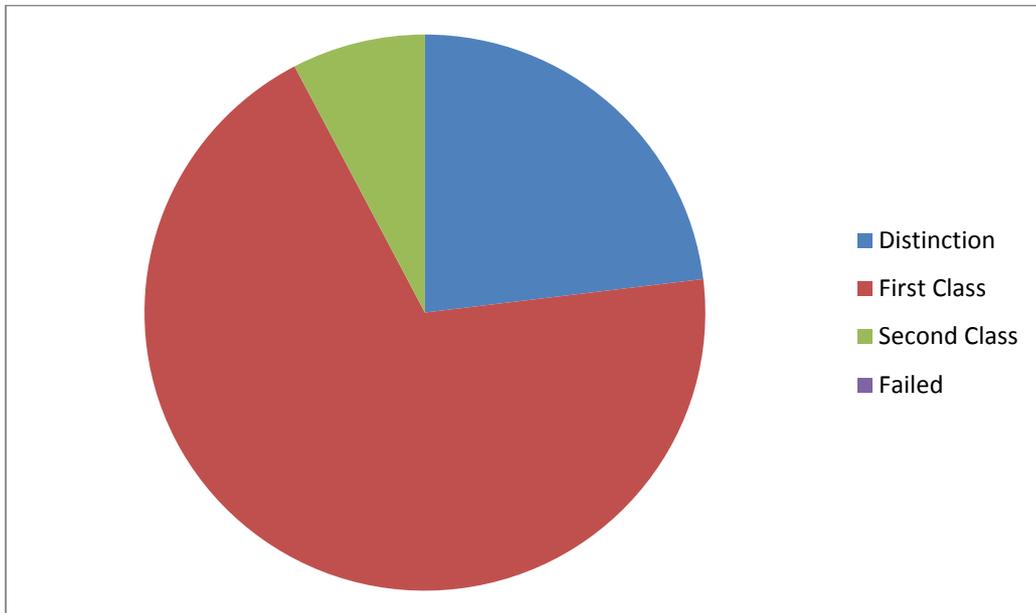
Sr. No.	Companies	No. of Students allocated for Project
1.	L & T, Powai	11
2.	Godrej, Vikhroli	17
3.	Mahindra, Kandivali	01
4.	PAM, Kandivali	03
5.	Volkeswagon, Chakan	01
6.	Tata Motors, Sanad	01
7.	Siemens, Kalwa	01
8.	Tenneco, Chakan	01
9.	CEAT, Bhandup	01



5. Result Analysis

B.E. PRODUCTION RESULT ANALYSIS (2013-14)

Class	Total	Distinction	First Class	Second Class	Failed	% Result
BE	39	09	27	03	0	100%



6. Placement Data

8 students were placed.

Following is the placement data for the year 2014-15:

Branch : Production 14-15

Student Number	Last Name	First Name	Middle Name	1st Company	2nd Company	Package in lakhs
60012115003	BANSAL	ROHAN	SURENDRA	TCS	-	3.20
60012115004	CHHEDA	KRISHMA	JITENDRA	Musigma	-	6.00
60012115013	NAYAK	ROHAN	RAJESH	L&T	-	4.75
60012115016	PARDESHI	TARANG	NARENDRA	Ranstad	-	2.42
60012115024	SHAH	HARSHIL	DHIREN	Musigma	-	6.00
60012128006	PANCHAL	DHARAM	DEEPAK	ICICI	-	2.30
60012128007	PHADKE	ONKAR	ROHIDAS	Mahindra	-	3.60
60012115015	PANDYA	RONAK	NIRAV	Arihant Industries	-	3.00

7. Staff

7.1 Teaching Staff

Sr.No.	Name	Post
1.	Dr. Hari Vasudevan	Professor and Head of the Dept. of Production Engg.
2.	Prof. E. Narayanan	Mentor Professor (Adhoc)
3.	Prof.R.S.Khavekar	Associate Professor
4.	Prof. Naresh C. Deshpande	Assistant Professor
5.	Prof. Sandeep R. Vaity	Assistant Professor
6.	Prof.(Mrs.) Meeta N. Gandhi	Assistant Professor
7.	Prof. Avadhut A. Samant	Assistant Professor
8.	Prof. Sandip H. Mane	Assistant Professor
9.	Prof. Mehul S. Prajapati	Assistant Professor
10.	Prof.(Mrs.) Trupti Markose	Assistant Professor
11.	Prof. Amit A. Chaudhari	Assistant Professor
12.	Prof. Sanket D. Parab	Assistant Professor
13.	Prof. Dhananjay S. Shukla	Assistant Professor
14.	Prof. Amruta A. Rane	Assistant Professor (Adhoc)

7.2 Teaching Staff

Sr.No.	Name	Post
1.	Sushant S. Vanne	Lab. Assistant
2.	Pradeep Pawar	Lab. Assistant (Adhoc)
3.	Dattatray Kadam	Lab. Attendant
4.	Suresh Darde	Lab. Attendant
5.	Mr. Sanjay Shimpi	Workshop Instructor
6.	Mr.Pravin Sawant	Workshop Instructor
7.	Mr.Ganesh Wadke	Workshop Instructor
8.	Mr.Mangesh Devrukar	Workshop Instructor
9.	Mr. Vijay Chavan	Workshop Instructor
10.	Mr.Deeoak Telewane	Workshop Instructor
11.	Mr.Ashok Waghela	Workshop Supporting Staff

7.3 Visting Faculty

Sr.No.	Name	Designation
1.	Prof. P.K.Shah	Ex. L&T , General Manager
2.	Prof.Sunil Gharse	Director of Shri Vinayak Consultancy

EVENT GALLERY

