



Shri Vileparle Kelvani Mandal's

Dwarkadas J. Sanghvi College of Engineering
(Approved by AICTE and Affiliated to the University of Mumbai)



ACADEMIC REPORT

(July 2016-May 2017)



DEPARTMENT OF PRODUCTIONENGINEERING

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1. DEPARTMENT OF PRODUCTION ENGINEERING

Vision

To develop competent and socially sensitive technopreneurs for manufacturing and allied service sector.

Mission

1. To strive for academic excellence in engineering and manufacturing technology, by fostering innovative learning processes.
2. To establish state of the art infrastructure in order to create technopreneurs to cater to the demands of industry.
3. To drive and achieve technical and professional competency by curricular, co-curricular and extracurricular interaction with industry, allied professional societies and other nodal agencies.
4. To mould the students as responsible and outstanding technical professionals with excellent personality traits and high ethical standards capable of facing challenges of the industry and society at large.

Program Educational Objectives:

1. Impart fundamental concepts of engineering and production technology, inculcate analytical and application skills, orient to research methodologies and prepare graduates to tackle complex engineering problems.
2. Give exposure to principles and aspects pertaining to various management sciences, develop inter-disciplinary skills and instil an urge for knowledge enhancement.
3. Provide opportunities to acquire practical exposure through industry interaction.
4. Instil various soft skills and personality traits.
5. Bring awareness about professional ethics, social obligations, green expectations / sustainable development and mould graduates to pursue successful technical and professional career.

Program specific outcomes (PSOs):

1. Candidates will be able to integrate issues related to design, manufacturing processes, tooling and assembly to resolve troubleshooting in manufacturing and achieve manufacturing effectiveness.
2. Candidates will develop competency in analyzing and improvising of manufacturing systems, operations and automation to achieve productivity enhancement.
3. Candidates will be able to explore various aspects pertaining to quality and bring about quality improvements through various tools and approaches in statistics, quality, reliability and experimental engineering.
4. Candidates will be able to apply appropriate managerial approaches in relevant areas of manufacturing to achieve continuous improvement and will be able to function effectively as a member or leader of a technical team.

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 members.
- All the laboratories are fully air-conditioned and are equipped with latest instruments and high end experimental setups, lab records, lab manuals, user manuals, journals etc. Relevant software are installed on all the desktops in laboratories.
- 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. **Intake** – 60 Students.

2. STUDENT CHAPTERS

Following is the report of various activities conducted by Student Chapters of Professional bodies in the college during the year. (A.Y. 16-17)

2.1 INDIAN SOCIETY OF MANUFACTURING ENGINEERS (ISME)

Seminar and Workshops

SHEET METAL WORKSHOP AT L&T CORPORATE TECHNOLOGY & ENGINEERING ACADEMY (C-TEA), MADH

Date: - 25th October, 2016.

Organized by: -**Indian Society of Manufacturing Engineers**

Organized For: -**SE & TE Production and Mechanical Students**

Conducted by: - **L&T CORPORATE TECHNOLOGY**

The students of the mechanical and production engineering department of DJSC were taken on a two-day sheet metal workshop to L&T Corporate Technology & engineering academy, Madh organized by the student chapter- ISME. All the students were given a brief orientation after which the training of the students commenced according to the predetermined schedule. The four modules taught to students were:-

1. Fabrication and Welding
2. Industrial Safety
3. Machining Operations
4. Press Tool



Workshop Facility at L&T, Madh

DAY 1

For the first module a brief introduction was furnished to the students regarding TIG, Arc and MIG/MAG welding methods, wherein

TIG Welding is an arc welding process that uses a non-consumable tungsten electrode to produce the weld.

Arc Welding was defined to the students as a technique in which metals are welded using the heat generated by an electric arc.

MIG/MAG Welding was introduced to the students as a welding process in which an electric arc forms between a consumable wire electrode and the work piece metal(s), which heats the work piece metal(s), causing them to melt and join.

The candidates were then introduced with second module 'Industrial Safety'. The candidates were shown on various safety processes used in L&T and were shown various videos impressing upon the need of safety and its importance. L&T's motto of "safety first" was explained to the students in great detail along

with a presentation on various safety methods used in the factory, Thus the day 1 of the industrial visit concluded and the students left for their homes.

Day 2

The industrial visit commenced like the day earlier with a delicious breakfast followed by a briefing about the day's activities which included the remaining two modules; the third module 'Machining Operations' commenced with a brief introduction on the 3 basic machining operations viz- Milling, Grinding, Drilling & Tapping. Each process was explained in great detail.

Milling was defined as the machining process of using rotary cutters to remove material from a workpiece by advancing (or *feeding*) in a direction at an angle with the axis of the tool. Latest technology used for milling was shown too.

Grinding 'the true metal cutting process' was defined as the machining process which uses the grinding wheel to cut the metal or the work piece into desired shape and dimension with very fine quality and high accuracy.

Drilling & Tapping was shown to the candidates as the machining process used to create screw threads, which is called threading. Many are cutting tools; others are forming tools. The process of cutting or forming threads using a tap is called tapping, whereas the process using a die is called threading.

Students were then taken onto the shop floor and given jobs to practice the machining processes and gain valuable work experience of the same. After the tiring but informative session the candidates were provided with a tasty lunch and were then given a briefing about the next module which was '*press tools*'.

The students thus gained both theoretical and practical knowledge at the industrial visit.

This marked the end of the two sheet workshop at L&T CORPORATE TECHNOLOGY & ENGINEERING ACADEMY (C-TEA), MADH.



Grinding Operation being done by Students.

NDT Workshop

Date: - 4th February 2017

Organized by: - Indian Society of Manufacturing Engineers

Organized for: - SE & TE Production Engineering Students

Conducted by: - Metal Safety NDT Training Institute Pvt. Ltd.

A workshop cum hands-on session was organized by **Metal Safety NDT training Institute Pvt. Ltd.** in our college on 5th February 2017 under Indian Society of Manufacturing Engineers (ISME). This company was established as Proprietorship Company in 2009 to provide NDT Training and certification to engineering personnel from aerospace, petroleum, petrochemical, railways, shipping, heavy engineering sectors. Following methods were explained as well as demonstrated to the students:

1. Visual & Optical Testing (VT)

Visual examination is the most basic method of NDT which ranges from simply looking at the part to using computer controlled camera systems to automatically recognize and measure features of a component.

2. Radiography Testing (RT)

Radiography Testing is the method of inspecting materials for hidden flaws by using the ability of short wavelength electromagnetic radiation to penetrate various materials.

3. Magnetic Particle Testing (MT)

Magnetic Particle Testing is a process for detecting surface and slightly subsurface discontinuities in ferromagnetic materials such as iron, nickel, cobalt, and some of their alloys.

4. Ultrasonic Testing (UT)

Ultrasonic Testing is based on the propagation of ultrasonic waves in the material tested.

5. Penetrant Testing (PT)

Penetrant Testing is used to locate surface-breaking defects in all non-porous materials.

6. Electromagnetic Testing (ET)

Electromagnetic Testing is used to locate surface-breaking defects in all non-porous materials.

Each and every process demonstrated was as per ASNT norms (American society of non-destructive testing). Students got a good overall hands-on experience on various methods of NDT.



Glimpses of NDT Workshop. Prof.N.C.Desande providing memento to trainer (Left). Students observing NDT workshop demonstrations.

3-D Printing Workshop

Date: - **11th Feb, 2017.**

Organized by: -**ISME**

Organized For: -**SE & TE Production and Mechanical Students**

Conducted by: - **Imaginarium (India) Pvt. Ltd.**

A workshop cum hands-on session was organized by Imaginarium (India) Pvt. Ltd. in our college on 11th February 17, 2017 under ISME (Indian Society of Manufacturing Engineers). Imaginarium (India) Pvt. Ltd. is company which does 3-D Printing and provides prototypes to industries from jewellery, engineering, automotive, architecture, etc. The Director of Imaginarium Mr. Guruprasad Rao is closely associated to our college and has been organizing 3D Printing Workshops in our college since the past couple of years. The company has over 30 years of combined rapid prototyping experience. Students from second & third year production & mechanical departments got an opportunity to cognize this upcoming genre in the field of automation.

About the Workshop

A presentation on “Additive Manufacturing” & “Design Thinking of AM” was given by Mr. Sameer Raut.

Various Technologies & Engineering Applications in AM were discussed by him. A live 3-D Printing demo was shown to the audience.

After every session in the workshop a one to one question-answer round took place which tested the knowledge of the students and gave them a better understanding. A competition was organized in which the audience was split into groups of 8 which brought the best technical and designing knowledge out of the students and gave hands on experience to the students.

VAP (VALUE ADDED PROGRAM COURSE)

Ansys Training

Date of Commencement: - 26th July 2016

Organized by: -ISME

Organized For: SE & TE ProductionStudents.

Conducted by: -CADD CENTER, ANDHERI

Faculty In charge:-Prof. MehulPrajapati.

Keeping in view the fierce competition the students have to face in outside world and need for skill expertise. ISME has organized 60 hours training session on Ansys in collaboration with CADD Centre. 12 students registered for this VAP course.

Primavera Training

Date of Commencement: - 23rd February 2017

Organized by: -ISME

Organized For: SE & TE ProductionStudents.

Conducted by: -CADD CENTER, ANDHERI

FacultyIn charge:-Prof. MehulPrajapati.

ToimbibestudentswithprojectmanagementskillsPrimaveratrainingwasstartedfromthisyear for SE & TE Production students .Primavera is an enterprise project portfolio management software. It includesprojectmanagement,productmanagement,collaborationandcontrolcapabilities,andintegrates with other enterprise software such as Oracle and SAP's ERP systems. ISME has organized 40 hours training session on Primavera in collaboration with CADD Centre. 16 students registered for this VAP course.

INDUSTRIAL PNEUMATICS

Date of Commencement: 26th December 2016

Organized by: - A.T.I (Advance Training Institute)

Organized For: TE Production Students.

Conducted by: - A.T.I, Sion.

Faculty Coordinator: - Prof. Sanket Parab.

Keeping in view the fierce competition the students have to face in outside world and need for skill expertise. ATI has organized a week of training session on Industrial Pneumatics in collaboration with ISME. 6 students registered for this VAP course.

INDUSTRIAL HYDRAULICS

Date of Commencement: 2nd January 2017

Organized by: - A.T.I (Advance Training Institute)

Organized For: TE Production Students.

Conducted by: - A.T.I, Sion.

Faculty Coordinator: - Prof. Sanket Parab.

Keeping in view the fierce competition the students have to face in outside world and need for skill expertise. ATI has organized a week of training session on Industrial Pneumatics in collaboration with ISME. 2 students registered for this VAP course.

CNC PROGRAMMING FOR TURNING

Date of Commencement: 2nd January 2017.

Organized by: - A.T.I (Advance Training Institute)

Organized For: TE Production Students.

Conducted by: - A.T.I, Sion.

Faculty Coordinator: - Prof. Sanket Parab.

Keeping in view the fierce competition the students have to face in outside world and need for skill expertise. ATI has organized 2 week of training session on Industrial Pneumatics in collaboration with ISME. 7 students registered for this VAP course.

Industrial Visits

INDUSTRIAL VISIT TO INDIAN TOOLS

Date: - 26th August 2016

Place: - Indian Tools, MIDC Satpura, Nashik

Conducted by: -ISME (Indian Society of Manufacturing Engineers)

Faculty In charge: -Prof. Mehul Prajapati & Prof. Dhananjay Shukla

An industrial visit was conducted for third year students from Production Engineering Department on 26th August 2016 to Indian Tools, MIDC Satpura, Nashik. Students got an opportunity to see the complete manufacturing of high speed cutting and machining tools like Reamers, Splines & Twist Drills of various sizes. Their engineer and operator were very co-operative; they explained the complete manufacturing process in very detailed manner. Students were also displayed their heat treatment methods performed on various tools. Apart from tradition manufacturing processes students also saw CNC machines & Non-tradition manufacturing processes like friction welding. Students were also briefed on "KAIZEN - A philosophy of improving working practice". Students got an overall good experience and they were able to relate many subjects to the task performed on their shopfloor.

INDUSTRIAL VISIT MAHAGENCO, NASHIK

Date: - 26th August 2016

Place: - Mahagenco, Eklahare, Nashik

Conducted by: -ISME (Indian Society of Manufacturing Engineers)

Faculty In charge: -Prof. Mehul Prajapati & Prof. Dhananjay Shukla

An industrial visit was conducted for third year students from Production Engineering Department on 26th August 2016 to Mahagenco (Maharashtra State Power Generation Company), Eklahare, Nashik. Students got an opportunity to see the complete power generation process. The plant generated electricity (210 Megawatts) using coal based thermal power plant. Students were displayed the coal refining process. They also saw the railway line which was only dedicated to Mahagenco. The Thermodynamic cycle used for power generation was briefly explained by the plant engineer. Students were also displayed the transmission of electricity to various distribution centers. All the principles of transmission of electricity using bus bars & step-up transformer were also explained. All the doubts of the students were thoroughly solved by them. Overall students got a good experience and exposure.

INDUSTRIAL VISIT TATA MOTORS, PUNE

Date: 23rd September, 2016.

Organised by: ISME

Faculty in charge: Prof. R.S Khavekar & Prof. Sanket

Parab Venue: TATA Motors, Pimpri, Pune.

The third year students of D J SANGHVI COLLEGE OF ENGINEERING production department were grateful to witness one of the world class automobile industry TATA MOTORS LIMITED located at pimpri, pune. The students accompanied by Prof .Sanket D.Parab and Prof. Khavekar departed the college premises by 6 and arrived the plant at 10.

They were first enlightened with a presentation explaining the history of the company. **Tata Motors Limited, a USD 42 billion organization, is a leading global automobile manufacturer with a portfolio that covers a wide range of cars, sports vehicles, buses, trucks and defence vehicles.** It is spread over 1200 acres of land. The main game changer behind this venture was Shri Jamsetji Tata. The most astonishing sight was the systematic planning of roads surrounded with beautiful plants and trees. They had strict rules to be followed when you drive through the roads in the entire plant they have separate footpaths for the employees to walk. Lane cutting was strictly avoided

They were guided through various manufacturing plants, by our guides who have been working with the company since 35 years. We went through the sheet metal pressing units, manufacturing units of gears, dyes of the doors, bonnet, and bumpers. TATA MOTORS pimpri manufacture their own products and use them right from the scratch to its assembly, except for rubbers, glasses which are imported. Most of the manufacturing processes are automated whereas the assembly line unit is done manually. We were even showed the race track where the vehicle maneuverability and stability was checked by driving the vehicle through a series of non-uniform tracks.

The most eye catching sector of the plant was the assembly line unit which fascinated most of us. We were mesmerized by the systematic organization and coordination with which every part and component was assembled through various stages in a straight line. Students were given the opportunity to see the assembly of TATA INDICA, SAFARI and the trucks of Tata. Every 5 mins one car is assembled.

Not only does Tata motors pune plant manufactures cars but also it takes care of the surrounding environment. They had a separate Lake house having thousands of trees adding up to the natural beauty of the area and compensating for the pollution generated by the nearby industries.

The entire visit to the plant was a different experience in itself. Students were surprised after witnessing such precision, management and order in a manufacturing plan



Third Year Students Posing for Photograph outside Tata Motors with Prof R.S.Khavekar & Prof Sanket Parab

INDUSTRIAL VISIT TO MAHAGENCO, URAN

Date: - 27th September, 2016.

Place: - MAHAGENCO Gas Turbine Power Station, Uran.

Conducted by: - Production Department, DJSCE

Faculty in charge: - Prof. Amit Chaudhary & Prof. Amruta Rane

An industrial visit was conducted for Third Year students from Production Engineering Department on 27th September, 2016 to MAHA GENCO Gas Turbine Power Station, Uran. The power plant is operated by the Maharashtra State Power Generation Company. The gas based generating station at Uran, having an installed capacity of 672 MW. The students got an opportunity to see how a gas turbine works and generates electricity internally as the company had got scrapped turbines which were out of order. The students were also shown the 16stage compressor and were explained about every minute detail. The heat the was emitted from the gas turbine was utilised by connecting the gas turbine to a steam turbine with heat exchangers. This was the environment was protected and the energy was reused. Also the gas cycles such as Rankine and Bryton were explained as they are the basic cycles on which the turbines work. The students were also taken to control room from where the operators could control the whole of the plant on a monitor by feeding in a few instructions. Overall the students benefitted a lot from the IV as what was relevant to syllabus.

INDUSTRIAL VISIT TO JOHNSON CONTROL & CHAPHEKAR ENGINEERING, PUNE

Date: - 27th September, 2016.

Place: - Johnson Control & Chaphekar Engineering, Pune

Conducted by: - Production Department, DJSCE

Faculty in charge: - Prof. Mehul Prajapati & Prof. S.R.Vaity

An industrial visit was conducted for Second Year students from Production Engineering Department on 27th September, 2016 to Chaphekar Engineering, Pune. With an impeccable array of automotive components and precision tools, today, Chaphekar Engineering - a million dollar engineering company caters to the wide spectrum of industries in India. It is renowned for manufacturing of Cargo bodies for Light and Heavy Commercial Vehicles, Truck Applications, Sheet Metal Components and Precision Tools and Dies. The students were also shown manufacturing of Cargo bodies for Light and Heavy Commercial Vehicles. Sheet Metal Components and Precision Tools and Dies were also explained in minute detail.

After this visit another visit was planned in afternoon at Johnson Controls. They create intelligent buildings, efficient energy solutions, integrated infrastructure and next generation transportation systems that work seamlessly together to deliver on the promise of smart cities and communities. Students were shown the designing & manufacturing of automobile seats. Also a jist was provided about the research that goes in for designing pushback seats and their locks. Overall the students benefitted a lot from the IV as what was relevant to syllabus.



Second Year Students at ChaphekarEngineering with Prof Mehul Prajapati &Prof. S.R.Vaity



Second Year Students at Johnson Control with Prof Mehul Prajapati, & Prof. S.R.Vaity

INDUSTRIAL VISIT HIND ALUMINIUM & RSJ METALS

Date: - 6th February 2017

Organized by: - **Indian Society of Manufacturing Engineers.**

Organized For: - **TE Production & SE Production.**

Faculty In-Charge: - **Mr. Mehul Prajapati, Mrs. Trupti Markose, and Mr. Amit Chaudhari**

An Industrial visit was arranged by the student chapter “Indian Society of Manufacturing Engineers” to Silvassa. Students visited two reputed institutions namely “**HIND ALUMINIUM**” and “**RSJ METALS**”

Hind Aluminum:

The **Associated Group** of companies began operations in 1973 in the aluminum industry. Their first manufacturing unit Associated Aluminum Industries (P) Ltd., an aluminum rolling mill, was set up at Taloja in the state of Maharashtra. After developing a loyal customer base in the aluminum market for over a decade, in 1987, they expanded their activities further by setting up a facility for the manufacture of aluminum security grills in the union territory of Daman. In addition, this unit also took up complete fabrication jobs which included setting up aluminum windows and doors. Their brand “Decogrille” is the most widely used aluminum security grill throughout the country. They have also succeeded in exporting this product to neighboring countries. All their manufacturing facilities are ISO certified. Two group companies are listed on the Bombay Stock Exchange.

Students got to the process of converting 99% pure aluminum metal into long wires (Bayer’s Process along with Wire drawing). Processes of melting the raw aluminum ingots, moulding processes, turning the rectangular bars into small diameter wire were observed. Students also learnt production planning process and safety measures.



Third Year Students Posing for Photograph outside Hind Aluminum with Prof Mehul Prajapati, & Prof. Mrs. Trupti Markose.

INDUSTRIAL VISIT TO BAJAJ AUTO LTD, PUNE

Date: - 13th April 2017

Place: - Bajaj Auto Ltd., Chakan

Conducted by: - Production Department, DJSCE

Faculty In-Charge: - Prof.N.C.Deshpande and Prof Sandip Mane.

An industrial visit was conducted for second and third year students from Production Engineering Department on 13th April to Bajaj Auto Ltd., Chakan. Students got an opportunity to see the complete assembly of Bajaj two wheeler models like KTM, Dominar, Pulsar 135LS & Avenger 220 Cruise. A well planned assembly line for manufacturing of bikes was displayed to the students. Each operation was briefly explained by the engineers. Various safety norms of MIDC, treatment of waste water, etc were discussed with the students. Also a presentation on “Life at Bajaj Auto Ltd.” was given by them. Main intention of the IV 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.



Third Year Students Posing for Photograph outside Bajaj Auto Pvt.Ltd. with Prof. N.C.Deshpande & Prof Sandip Mane.

Technical Event

DJ NIRMITI- Igniting Manufacturing Renaissance

DJ Sanghvi College of Engineering had organised a two-day technical festival named “DJ Nirmiti-Igniting Manufacturing Renaissance” on 21st & 22nd March 2017. Indian Society of Manufacturing Engineers (ISME) a professional society (formed in year 1964) with expertise in the field of manufacturing Engg. competencies required to excel in their professional carrier, with core thrust in the field of Manufacturing Engg.

On day of its Inauguration Dr. Hari Vasudevan, Principal, D J Sanghvi College of Engg. & Honorary President of ISME stressed on importance & need of manufacturing sector's contribution to India's GDP. Other dignitaries present on dias were Prof. A.C. Daptardar (Vice-Principal Admin), Dr. A.R. Joshi (Vice-Principal Academic), Prof. R.S. Khavekar TPO & Secretary of ISME, Dr. Vijay Kumar (HOD, Dept. of Mechanical Engg.) & Prof N.C. Deshpande (Associate Head, Dept. of Production Engg.)

In A.Y. 2016-2017 ISME Student Chapter of D.J. Sanghvi College of Engineering wished to expose it's to-be-engineer members to the trends and technologies used today in the field of manufacturing. Moving forward with this aim ISME Student Chapter conceived DJ Nirmiti 2017 under the guidance of Prof. Sanket D. Parab, which did not only offer final year students with an opportunity to present their projects to veterans from the sphere of academia and industry like Mr. P.K. Shah (Ex Joint GML & T) and Mr. M.J. Paleja (Ex CEO L&T China) but also kindled a spirit of manufacturing and designing through events like Bridge the Gap and CAD Challenge in First, Second and Third Year Students. Hence living up to its tagline of 'Igniting Manufacturing Renaissance'.

Project Competition saw a total of 70 different projects being presented over a span of two days, seeing brilliant ideas like rotary parking systems, underwater surveillance vehicles, unmanned aerial delivery vehicles, optimization of heat exchanger manufacturing processes and 360 degree vertical axis windmills for urban areas to name a few.

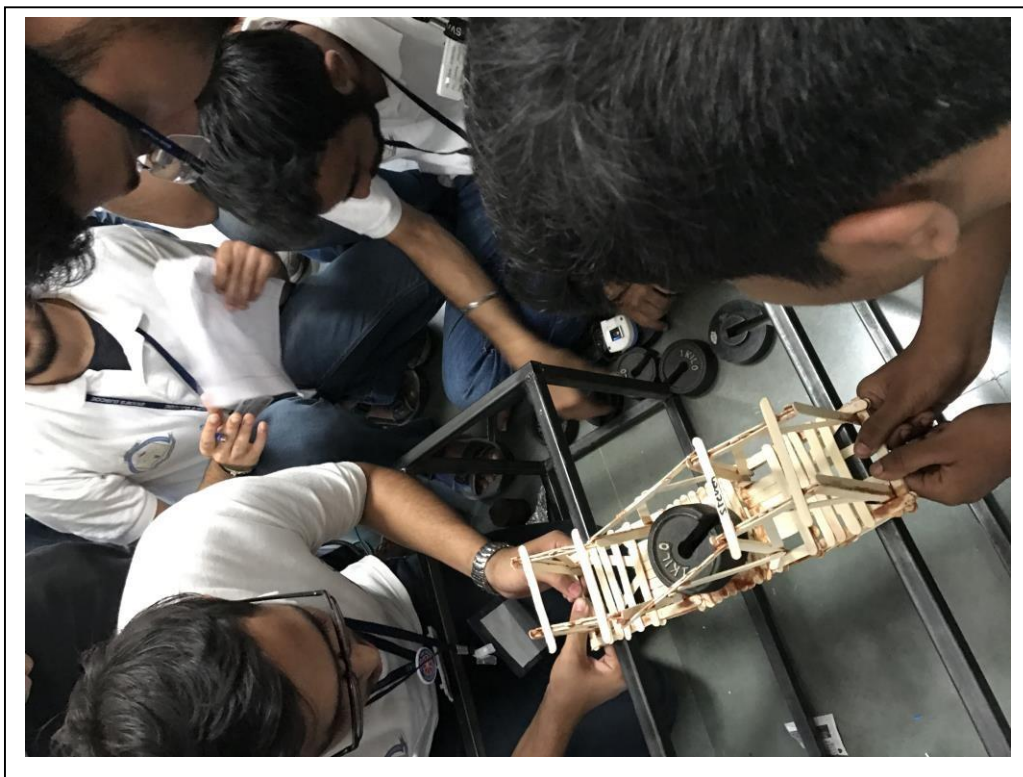
CAD Challenge saw an overwhelming participation head count of 40 budding designers challenged with a task to make a 3-D model of a particular engineering component in a minimum time frame on SOLIDWORKS or AutoDesk INVENTOR software, both of which are widely used in the industry. This event tested participants' speed, software proficiency, logical reasoning and design skills through 3 rigorous rounds. The winners of the event are currently being groomed by CADD Centre free of cost for similar international events.

Bridge the Gap, semi-fun and semi-technical event tested the ability of a participant to apply principles of structures and physics by asking them to build a bridge using limited number (125) of Popsicle sticks and only 100mL Glue. Bridge that could sustain maximum weights won and at the end of the event, the organisers were surprised to see the creativity and application of young first and second year students as the winning bridge withstood a weight of 10.2kgs.

DJ Nirmiti in its very first year saw participation from 7 different colleges from Mumbai seeing a footfall of 500 budding engineers over the course of two days, signing off with a promise to come back bigger and grander next year.



ISME Committee with dignitaries during inauguration of DJ Nirmiti.



Evaluation of Bridge the Gap Event in DJ Nirmiti.

Media Coverage for DJ NIRMITI- Igniting Manufacturing Renaissance

डि. जे. संघवी
अभियांत्रिकी

महाविद्यालयामध्ये २१ आणि २२ मार्च २०१७ रोजी 'डीजे निर्मिती-इग्नितिंग मॅन्युफॅक्चरिंग रिनाइसन्स' या नावाने तांत्रिक स्पर्धा महोत्सव आयोजित करण्यात आला होता. उद्घाटन प्रसंगी डॉ. हरि वासुदेवन, प्राचार्य तथा आयएसएमईचे माननीय अध्यक्ष यांनी, भारताच्या जीडीपीमध्ये विनिर्माण क्षेत्रातील योगदानाचे महत्त्व आणि आवश्यकता या विषयावर जोर दिला. मंचावर इतर उपस्थित मान्यवरांमध्ये प्रा. आशीष दफ्तरदार (उपप्राचार्य - व्यवस्थापन), डॉ. अभिजित जोशी (उपप्राचार्य - शैक्षणिक) प्रा. राजेंद्र खवेकर (टीपीओ आणि आयएसएमईचे सचिव), डॉ. विजयकुमार (एचओडी, मेकॅनिकल इंजिनीयरिंग विभाग) आणि प्रा. नरेश देशपांडे (मुख्य सहायिकारी, प्रोडक्शन इंजिनीयरिंग विभाग) हे होते.

सन २०१६-२०१७ मध्ये आयएसएमई स्टुडंट्स चॅम्पियन्स विद्यार्थ्यांनी नवनिर्मितीच्या क्षेत्रामध्ये जास्तीत जास्त प्रगती करण्याचे लक्ष ठेवले. याच लक्षासोबत पुढे वाटचाल करीत या विद्यार्थ्यांनी 'डीजे निर्मिती २०१७'ची संकल्पना मांडली. या संकल्पनेनुसार अंतिम वर्षातील विद्यार्थ्यांना शैक्षणिक आणि उद्योग क्षेत्रामधील नावाजलेल्या दिग्गज लोकांपुढे आपले

'डीजे निर्मिती': देश घडवू शकणाऱ्या तरुण अभियंत्यांचा शोध



प्रोजेक्ट्स दाखवण्याची संधी मिळाली. महोत्सवाच्या प्रकल्प स्पर्धेमध्ये दोन दिवसात एकूण ७० प्रकल्प सादर करण्यात आले. यामध्ये 'रोटरी पार्किंग सिस्टम', 'पाण्याच्या पृष्ठभागाखाली पाळत ठेवणारे वाहन', 'मानव रहित एअर डिलिवरी वाहन, ऑप्टिमायझेशन ऑफ हिट एक्स्चेंजर मॅन्युफॅक्चरिंग प्रोसेसेस' इत्यादी प्रकल्प उल्लेखनीय होते. 'कॅड चॅलेंज' विभागामध्ये

SOLIDWORKS किंवा INVENTOR सॉफ्टवेअरद्वारे किमान वेळेत एक विशिष्ट अभियांत्रिकी घटकाच्या साहाय्याने एक ३-डी मॉडेल करण्यासाठी सांगण्यात आले. हे आव्हान स्वीकारण्यासाठी ४० होतकरू डिझाइनर्सनी सहभाग घेतला. या कार्यक्रमांमध्ये सहभागी विद्यार्थ्यांची गती, सॉफ्टवेअर नेपुण्य, तार्किक चर्चा व डिझाइन कौशल्य इत्यादी चाचण्या ३ कटोर

फेच्यांमध्ये घेण्यात आल्या. यामधील ५ विजेत्यांना आंतरराष्ट्रीय स्पर्धेसाठी कॅड सेंटरतर्फे मोफत मार्गदर्शन मिळणार आहे.

'ब्रिज द गॅप' या मजेदार आणि सेमी-तांत्रिकी उपक्रमामध्ये विद्यार्थ्यांना १२५ आईस्क्रीमच्या कांड्या आणि १०० मिली गमचा वापर करून संरचना आणि भौतिकशास्त्रातील तत्वांच्या आधारे एक पुल तयार करण्यासाठी सांगण्यात आले. आणि त्याद्वारे सहभागी विद्यार्थ्यांची क्षमता चाचणी घेण्यात आली. या पुलांमधून चक्क १०.२० किलो वजन पेलण्याची क्षमता असलेल्या पुलाला प्रथम पारितोषिक देण्यात आले. या उपक्रमासाठी देण्यात आलेली टॅगलाईन 'प्रज्वलन विनिर्माण पुनर्जागरण' या सर्व स्पर्धांमुळे शांभून दिसते.

'डीजे निर्मिती'च्या या उपक्रमामध्ये पहिल्याच वर्षी मुंबईमधील विविध महाविद्यालयांनी सहभाग घेतला. या कार्यक्रमाद्वारे भारत निर्मितीसाठी आपला हातभार लावतील असे तरुण आणि होतकरू अभिवर्ते पाहावयास मिळाल्याची भावना उपस्थित परीक्षक आणि प्राध्यापकांनी व्यक्त केली आणि कार्यक्रमाची सांगता झाली.

संकलन : रमेश सुतार,
संकेत परब

Article on "DJ Nirmiti" organised by ISME was published in colour edition of Prahar dated 29/03/17.



ISME Committee receiving Best Student Chapter Award.

2.2. Society of Automotive Engineers (SAE) Student Chapter

Number of students from Mechanical and Production Engineering inducted in this chapter is increasing every year. This being just the fourth year of the SAE chapter in the college, the organizing committee has managed to put-up numerous events which include competitions, guest lectures, workshops and value added programs.

Teams

➤ **DJS KRONOS INDIA**

- Participated in Enduro Student India – National Level Off-road Racing Competition organized by Delta Inc. and sanctioned by FMSCI. It was held at the Gedee Advanced Driving Institute, Coimbatore, 5-9 January 2017.
- Participated in BAJA SAE India – National Level Off-road Racing Competition organized by SAE India and Mahindra & Mahindra. It was held at the NATRAX Facility, Indore.

ACHIEVEMENTS:

1. Sales Event- **2st** Position
2. Maneuverability Event - **4th** Position
3. Overall- **23th** Position



DJS KRONOS TEAM

➤ DJS SKYLARK

- Competition:
SAE International organized SAE aero-design West competition on 10th, 11th and 12th of March 2017. Total of 75 teams participated from worldwide in this competition. Team DJS Skylark managed to achieve the following titles under its name.
 - 1st worldwide in design report
 - 4th worldwide in flight rounds
 - 12th worldwide in technical oral presentation
 - 1st overall amongst all teams participating from India
 - 1st overall amongst teams participating from Asia
 - 4th overall worldwide at the passenger class (Regular)



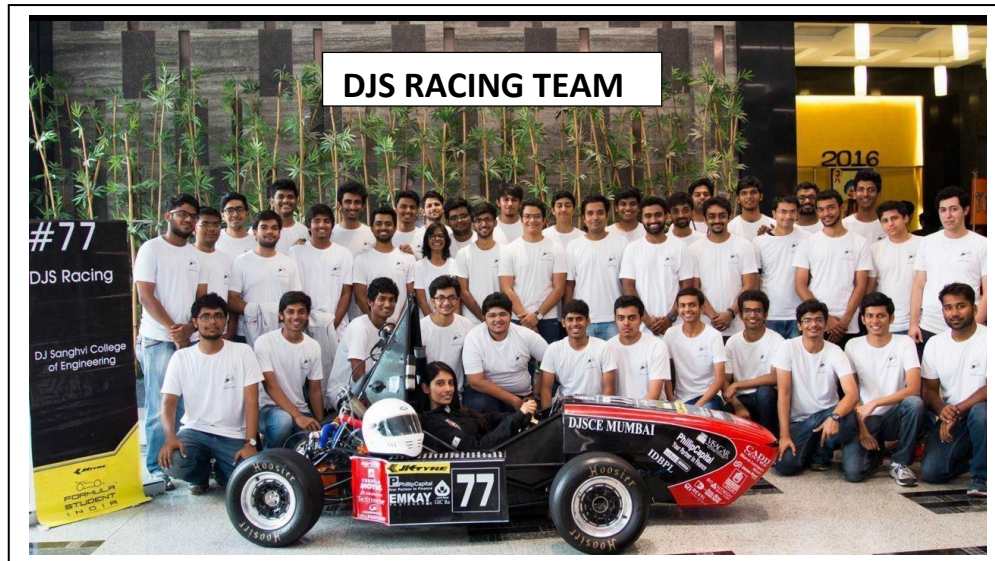
DJS SKYLARK TEAM

DJS RACING

- DJS Racing had a great run at Formula Bharat 2017 at Kari Motor Speedway, Coimbatore.
- From being the first and fastest team to clear scrutineering to facing daunting tasks during the competition. But, the team never gave up and fought back. With successfully achieving the purpose of the competition, to build a good car and being rewarded for the same.

ACHIEVEMENTS

- 1st in DesignEvent
- 2nd in StaticsEvent
- 3rd in FuelEfficiency
- 6th in CostPresentation
- 11th in BusinessPresentation



DJS Karting

It is the official GO-Karting team of the college. With great zeal and enthusiasm this team participated in the Indian Karting Championship 2017 which was organized at 'PCNTDA Traffic Park, Pune'.



DJS Karting Team Posing With Awards.

Team Achievements:

1. Winners - BestCAE
2. Runners up - Bestdesign
3. Overall rank – 5thposition
4. Winners skid padevent
5. Runner up autocrossevent
6. Runner up bestdesign
7. Runner up businessplan
8. Overall rank 5th place among 169teams

SEMINARS & TALKS

Event Title:	Talk on Jet Propulsion Engines		
Date:	4 th Feb, 2017.	Timings:	10:30am to 12pm
Location:	Seminar Hall		
Speakers:	Mr. F. A. Shaikh (Assistant general manager in Technical services, Air India.)		

Summary of Event:

Jet Propulsion Engines has changed the way airplanes fly. It is the most important factor that decides the cruise condition of the flight. It was and will always be the most vital part of the aviation industry.

Context of Event:

The talk was delivered to a packed audience of undergraduate students from Mechanical and Production Departments. The talk was helpful to students as it introduced them to the widely used technology of Jet Propulsion Engines. Also he threw light on the factors for newly graduated students in job point of view.

Event Overview:

Speakers arrive at 10:30am sharp.

Introduction of the speaker given by representatives of the Society of Automotive engineers of D.J.Sanghvi College of Engineering.

The speaker is presented with a bouquet of flowers by Prof. Gregory.

Mr. Sheikh begins his presentation on the event topic, which covers:

- Introduction to and parts of an airplane.
- Parts and working of Jet Propulsion Engines.
- Factors considered while designing a Jet Propulsion Engines (namely fuel economy, fuel tankering, drag, aerodynamics, material of blades etc.)
- Industrial factors related to Jet Propulsion Engines.

The speaker concluded his talk by 11:45am and then answered the questions students had. A token of appreciation was presented to him by the Vice-Chairperson of the committee- Vineeta Pendse. Event concluded by 12pm.



Some Pictures from the event.

Event Title:	Competition on clay modelling of automotive vehicles		
Date:	4 th October, 2016	Timings:	12.00 to 3.00pm
Location:	Room No. 42 & 43, Fourth Floor		
Judges:	Professor JayashreeGadkar, Professor VineetKatira, Professor Saurabh Vichare, Professor Aditya Jawlekar, Professor KartikAjugia		

1. Summary ofEvent

Clay Modelling Competition is a comprehensive perspective focused on encouraging students to design an automotive body that would help them understand the real world scenario in the automotive companies. It will help students to apply their creativity and also gain some basic technical knowledge required to design the exterior of an automotive vehicle. Clay modelling is a widely used method in all the automotive companies.

2. Context of theevent

A total of 67 students from the mechanical and production department of our college participated forming their respective groups. The participants made innovative designs of automotive vehicles varying from cars, aeroplanes to boats. They made designs that were aerodynamically stable and new ideas were put forth. The participants were creative and inventive while making the models.

3. EventOverview

- The participants arrived at 12.00pm.
- Participants were provided clay by the SAEcommittee.
- The competition commenced at 12.30pm.
- The Judges were introduced to the participants by Ashish Rai (Chairperson SAE student chapter ofDJSCE)
- The competition ended at 3.00pm.
- The top 3 teams were awarded prize money by theJudges.

3rd place: Shamir Talkar, Purendru Tiwari, MithilUpadhyay, SheetalKumavat

2nd place: Geet Dave, Devdat Bhurke, Arun Alva, Vinil Punjani

1st place: Karan Shah, Tejas Rajebhosale, Maheshwari Panchal, Shivani Singh, JanhaviShinde



Clay Modelled Automotive Vehicles made by students during competition on display.

2.3 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.

A) Value Added Program

a) An invited talk was organized by ISHRAE on 'Refrigeration & Air-conditioning' by Prof. Avinash G. Shaligram on 4th March 2017.

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

R.A.S is an inter departmental society under the branch of 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 D J Sanghvi, the organizing committee planned to conduct numerous events which include competitions, industrial visits, guest lectures, workshops and value added programs.

A) Value Added Program

- a) A three day work shop was conducted on behalf of RAS student chapter on the topic PLC Scada (industrial automation) on 13th, 14th and 20th of Aug 2016 by Prolific Pvt. Ltd. which was a grand success.
- b) A Two days Hands on Training on behalf of RAS student chapter was conducted for the batch of 30 students on Altium Designer Tool by Mr. Shreyas on 4th and 5th Jan 2017.
- c) An invited talk was organized for TE Mechanical students by Team RAS on Industrial Mechatronics by V. A. Kaushik, Consultant from FESTO on 13th February, 2017.
- d) Participated in “ROBOCON 2016” held in Pune organized by Asia Pacific Broadcasting Union (ABU).

DJ Trinity (Contribution of Production Engg. Students in Trinity)

There was a very good turnout for the trinity festival and saw participation by production students in various fields. Kanhai Dalal from third year was the head of department for the sports fest & Harsh Shah from third year who was the head of Logistics for Trinity 17.

Amongst the SE Omkar Barde, Alvinya Bohora, Devanshu Kothari, Monil Parekh, Man Shah, Ronit Shah, Tejas Shah, Aadit Shetty and Chinmay Kule were part of marketing team, logistics & creative teams and helped take the festival to new heights.

DJ NSS (Contribution of Production Engg. Students to NSS activities)

NSS also had lot of activities this year some of the major activities are as follows.

NSS CAMP 4th-10th January

NSS had organized a 7-Day camp near Badlapur & were staying in ashram. 10 students from SE Production participated in this camp. Students experienced things that they had never experienced in their life such as taking responsibilities, working hard, teamwork etc. Professor Sanket Parab also accompanied students for this camp for one day.

Newspaper Collection Drive: - All volunteers of NSS collected newspaper in Mahavir Nagar & Ghaptkopar residential complexes. The money was later donated to respective NGO's.

Blood Donation Drive: - The biggest event of the college NSS unit was held in the college itself and the NSS unit of DJSCE was able to collect more than 500 bottles of blood in collaboration with MGM blood bank.

Swachh Bharat Abhiyan: The NSS volunteers cleaned some local areas around college and cleanliness awareness was spread for the same. Proper gloves and masks were given to the students.



S.E. Production Engg. Students at NSS CAMP

3. ACHIEVEMENTS

3.1 Faculty Publications / Workshop (STTP)

International Conference

Publication by Dr. Hari Vasudevan

1. **“Application of Shainin DoE Tool to Explore Unknown Variables causing ‘Ghost Noise’ in 5th Gear Cycle of Transaxles during NVH Testing”** in **“Advances in Intelligent Systems Research”**, Vol. 137, PP: 271-276, Atlantis Press (Springer), AISR (ISSN 1951-6851), ISBN (online): 978-94-6252-305-0.
2. **“Suspecting Dominant Variable that causes Porosity Defect in a Cast Made up of Aluminum Alloy (Lm2) Using Shainin’s DoE Approach”** in the International Journal of Advances in Mechanical and Civil Engineering, Vol – 3, Issue 5, Oct 2016, ISSN : 2394- 2827, PP : 124 -130 (with Rajendra Khavekar and Dharam Ranka). Received the best Research Paper Award during the presentation (ICMPE) in Pune on 07th of August 2016.

International Journal

3. **“A Comparative Study of Taguchi Methodology and Shainin System DoE in the Optimization of Injection Moulding Process Parameters”**, accepted for publication in the **“Materialstoday: ELSEVIER/ScienceDirect”** (with Khavekar Rajendra and Modi Bhavik).
4. **“Analysis of Supplier Selection Criteria in Traditional as well as Green Supply Chain Management in Indian MSMEs”** in the International Journal of Business Quantitative Economics and Applied Management Research, Volumes 3, Issue 3 (August 2016), pp.74- 85, ISSN: 2349-5677 (with Ashish Deshmukh).

Publication by Prof. N.C. Deshpande

International Conference

1. **“Optimization of Cutting Parameters for Surface Roughness in Machining of GFRP Composites.”** in 6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR – 2016) **Organized by College of Engineering Pune during December 16 – 18, 2016.**
2. **“Grey Fuzzy Multiple Criteria Optimization of Process Parameters for CNC Turning of GFRP/Vinyl Ester Composites.”** in First Int. Con. on Materials, Manufacturing and Design Engineering (ICMMD 2016) **Organized by Dr. Babasaheb Ambedkar Technological University, Lonere, during December 20 – 21, 2016.**
3. **“Multiple Criteria Optimization of Process Parameters for Edge Milling of NEMA G11 Composites using Desirability Function Analysis.”** in First Int. Con. on Materials, Manufacturing and Design Engineering (ICMMD 2016) **Organized by Dr. Babasaheb Ambedkar Technological University, Lonere, during December 20 – 21, 2016.**

Publication by Prof. Sandip. H.Mane

International Conference

1.“Heat Generation and Temperature in Orthogonal Machining.” in Int. Con. and Workshop on Advances in Mechanical Engineering (ICWAME 2017) Organized by Thakur College of Engineering and Technology Kandivli, Mumbai, during Feb. 24 – 25, 2017

Workshop / Seminar / Guest Lecture / Technical Talk

1. **Prof. Amit Chaudhari & Prof. Sanket Parab** participated in a STTP Saksham organised by Microsoft in August 2016.
2. **Prof. Amit Chaudhari** participated in a “Robotics for Human training” organised by GIAN in VJTI from 8-12th August 2016.
3. **Prof. Amit Chaudhari & Prof. Trupti Markose** have completed training in SAP-Education, Material Management training. (120Hours).
4. **Prof. A.A.Samant** successfully completed NPTEL course on “**Outcome based pedagogic principles for effective teaching**” with Elite grade.
5. **Prof. N.C.Deshpande** attended a one-day workshop on “**Intellectual Property Rights**” held on 2nd September, 2016 at University of Mumbai Vidyanaagar Campus.

3.2 Student Publications

Publication Harshvardan Desai (B.E. Production)

1.“Application of Shainin DoE Tool to Explore Unknown Variables causing ‘Ghost Noise’ in 5th Gear Cycle of Transaxles during NVH Testing” in “**Advances in Intelligent Systems Research**”, Vol. 137, PP: 271-276, Atlantis Press (Springer), AISR (ISSN 1951-6851), ISBN (online): 978-94-6252-305-0.

Publication Aakash Panchal, Varad Satam & Aum Pandya (B.E. Production)

1. Published Review Paper on “NANO coated tool materials” in Techno focus Journal

Students Extra-Curricular Activities (16-17)

SEProduction			
Sr. No.	SAP ID	Name	Achievements
1	60012150001	OmcaraBarde	Logistics Co-head , Trinity
			Tech Events – Co-head , Trinity
2	60012150002	AlvinyaBohora	ISME Co-Committee
			Marketing Co-head , Trinity
3	60012150011	DevanshuKothari	Publicity Co-head , Trinity
5	60012150014	Monil Parekh	Trinity Dance Competition Co-Head
6	60012150027	Ronit Shah	Sports Committee Co-Head, Trinity.
7	60012150028	Tejas Shah	Marketing Co-head , Trinity
8	60012150031	Aadit Shetty	Security Co-Head , Trinity
9	60012168003	Chinmay Kule	Creatives Co-head, Trinity.
10	60012150025	Man Shah	Creatives Co-head, Trinity.
11	60012150005	AbhishekGajji	ISME Co-Committee

T. E. PRODUCTION

Sr. No.	Sap id	Name	Achievement
1.	60012140001	Steve Paul	Marketing head , ISME
2.	60012140012	Harsh Kothari	Vice chairperson , ISME
3.	60012140014	Aditya Matkar	Infrastructure head , ISME
4.	60012140014	Shubham Nage	Secretary , ISME
5.	60012158004	Shilp Pandya	Won first prize in technical paper presentation competition held in VJTI. Topic of his paper was “Determination of flexural, tensile strength using epoxy resin and HBN as filler nitride.”
6.	60012140005	Rushabh Dharod	Vice-Captain , DJS Kronos
7.	60012140008	Kadakia Varun	Chassis Head , DJS Kronos& Secretary ,SAE Student Chapter
8.	60012140007	Soham Joshi	Vice Chairperson , ISHRAE
9.	60012140026	Harsh Shah	Treasurer, ISHRAE& H.O.D Logistics,Trinity.
10.	60012140009	Smithkumar Kaneria	Technical Head , RAS
11.	60012158003	Karthik Khanderia	Marketing Head , RAS

B. E. PRODUCTION

Sr.No.	SAP ID	Name	Achievements
1.	60012130012	Shreyas Marathe	Winner (1 st) of National Level Streetplay Competition at IIT Kharagpur.
2.	60012130006	Harshvardan Desai	Published paper “Application of Shainin DoE Tool to Explore Unknown Variables causing ‘Ghost Noise’ in 5th Gear Cycle of Transaxles during NVH Testing” in “Advances in Intelligent Systems Research” , Vol. 137, PP: 271-276, Atlantis Press (Springer), AISR (ISSN 1951-6851), ISBN (online): 978-94-6252-305-0.
3.	60012130015	Aakash Panchal	Published Review Paper on “NANO coated tool materials” in Techno focus Journal.
4.	60012130022	Varad Satam	
5.	60012130017	Aum Pandya	
6.	60012130011	Saurabh Latad	1. Men’s singles winner at DJSTRINITY 2016 and KJSIT College's SCORE2016. 2. Men’s team winner at SIES College’s LAKSHYA2016. 3. Men’s Team winner at DJS TRINITY for the year 2017. 4. Runner up at TSEC college’s YUDH2K17. 5. Team Runner-up for KJSCE college’s SKREAM in the year 2016.

Special Achievements by Production Engineering Students.

DJ Dramatics Team

Team AURA-Dramatics wing of D.J.Sanghvi College of Engg. was developing the play for over a year and won in numerous competitions at various college festivals in Mumbai last year. But recently they got the opportunity of performing their play for the National level competition at prestigious **INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR**. DJ Sanghvi stood first at the competition. **Shreyas Marathe** (BE Production), **Riddhi Sankhe** (FE Production) & **Vaidehi Kannawar** (FE Production) were part of this team.



DJ Dramatics Team performing at IIT-Kharagpur.

NPTEL LOCAL CHAPTER

NPTEL (National Programme on Technology Enhanced Learning) was started to build on the engineering and core science courses. To take this initiative forward and to encourage more students across colleges to participate in this initiative, NPTEL chapter was set up in our college. In its 1st year only we managed to secure 21st rank in Top 100 colleges from all over India. Following are result of production engineering students in various Nptel exams.

September 2016 Result

Name	NOC Course Name	Score From Assignment	Exam Score	Final Score
Shilp Pandya	Manufacturing System Technology Part 1 & 2	74	65	67

October 2016 Result

Name	NOC Course Name	Score From Assignment	Exam Score	Final Score
Devansh Mehta	Aircraft Dynamic Stability & Design Stability Augmentation System	3	62	47
Zeel Shah	Basics of Finite Element Analysis - I	7	40	32
Aditya Matkar	Basics of Finite Element Analysis - I	12	30	26
Soham Shripad Joshi	Developing Soft Skills and Personality	40	87	75
Shilp pandya	Manufacturing Process Technology - II	60	87	80

March 2017 Result

Name	NOC Course Name	Score From Assignment	Exam Score	Final Score
Prof. Avadhut Samant	Outcome Based Pedagogic Principles for Effective Teaching	94	76	81
Varad Satam	Modelling and Simulation of Dynamic Systems	93	89	90
Aum Pandya	Modelling and Simulation of Dynamic Systems	88	75	78

NPTEL RESULT ANALYSIS

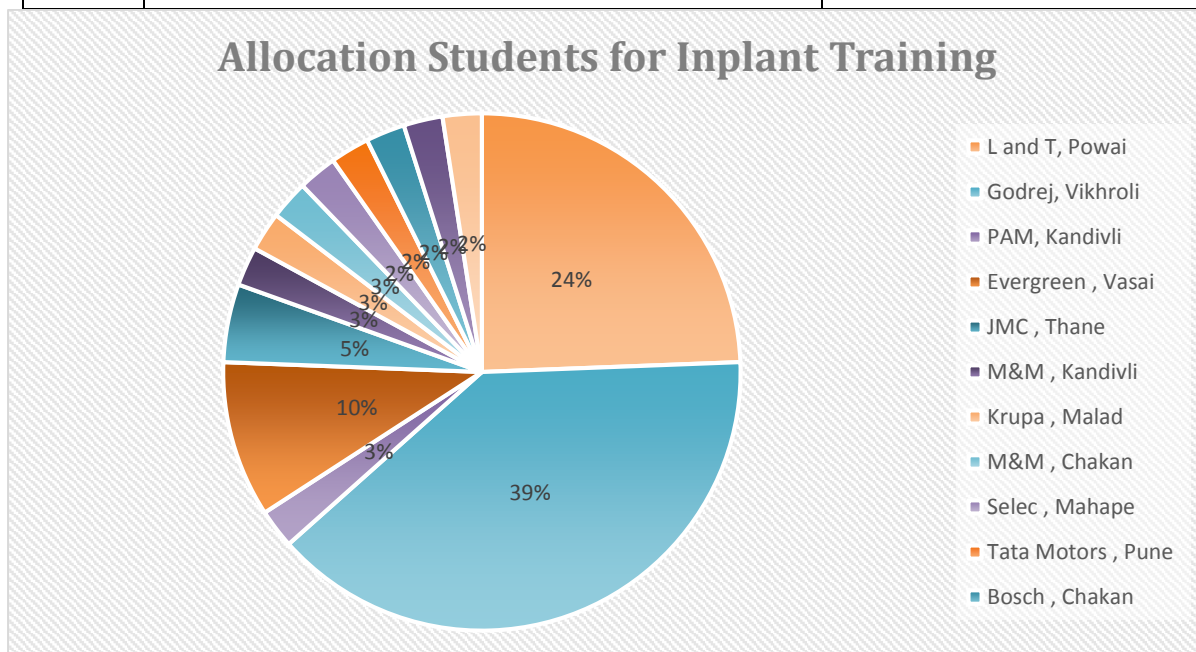
GRADING SYSTEM	Sep-17	Oct-17	Mar-17	Total
Score < 40%: NO certificate	-	2	-	2
Score between 40% -59%: Certificate "Successfully completing the course":	-	1	-	1
Score between 60% -89%: Certificate "Elite" :	1	2	2	5
Score of 90% and above: Certificate "Elite" and the gold medal printed:	-	-	1	1
Toppers	-	-	1	1
Total No. Of Students	1	5	3	9

3.3 Industrial Training and Project

Initiatives Related to Industry Interaction -To help students in correlating the lessons learnt in theory and actual practices followed in the Industries and 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 assigned by respective companies.

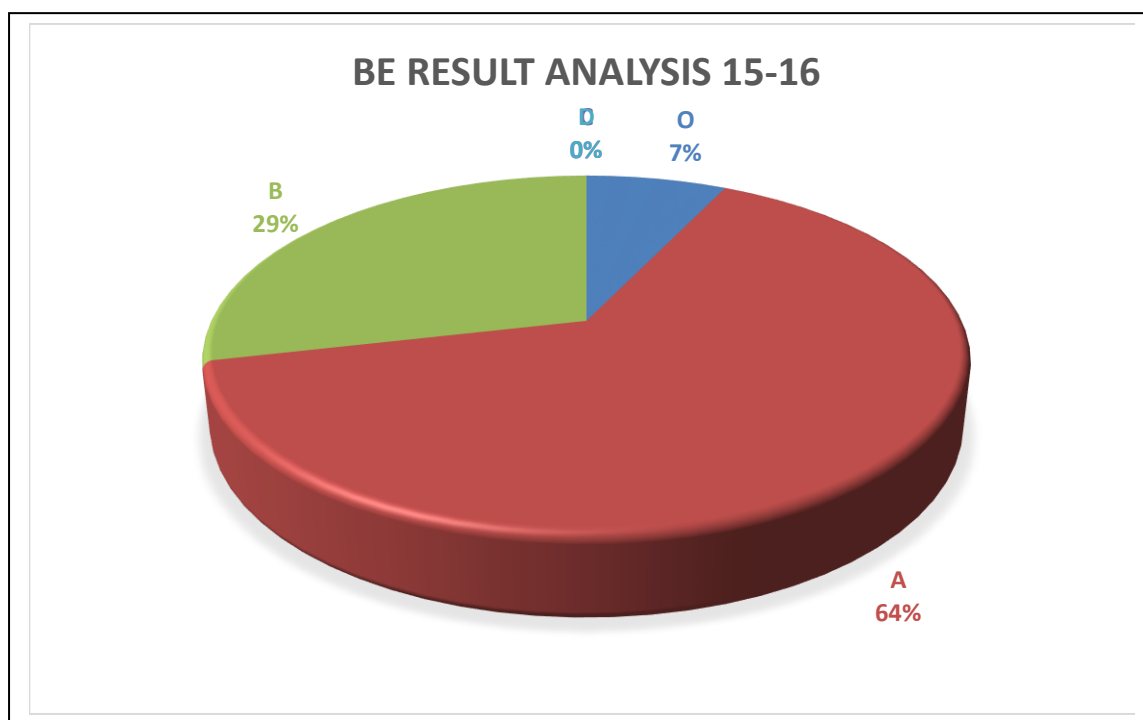
Following is the list of companies in which students were enrolled for In-plant training for academic year 2015-16:

Sr. No.	Companies	No. of Students allocated for Project
1.	L and T, Powai	10
2.	Godrej, Vikhroli	16
3.	PAM, Kandivli	01
4.	Evergreen , Vasai	04
5.	JMC , Thane	02
6.	M&M , Kandivli	01
7.	Krupa , Malad	01
8.	M&M , Chakan	01
9.	Selec , Mahape	01
10.	Tata Motors , Pune	01
11.	Bosch , Chakan	01
12.	Bharat Forge , Pune	01
13.	Siyaram , Tarapur.	01



4. Result Analysis

B.E. Production Engineering Sem -VIII July 2015 -16 Batch		
No. of Students Appeared		30
No. of Students Passed		28
No. of Students with AT/KT		02
Grades obtained :-		
1.	O (9-10) ($\geq 80\%$)	2
2.	A (8-9) ($\geq 75\%$ & $< 80\%$)	18
3.	B (7-8) ($\geq 70\%$ & $< 75\%$)	8
4.	C (6-7) ($\geq 60\%$ & $< 70\%$)	0
5.	D (5-6) ($\geq 50\%$ & $< 65\%$)	0
6.	E (4-5) ($\geq 45\%$ & $< 50\%$)	0
All Clear Passing Percentage :-		93.33%
Top Rankers:-		
OMETZ ELIJAH MOSES		9.04
MOKSHAD GAONKAR		9.00



5. Placement & Higher Studies

- Seven students were placed
- Following is the placement data for the year 16-17:

Branch: Production 16-17

SAP Number	Name of Student	Company	Package in lakhs
60012130012	Shreyas Marathe	ACG Worldwide	4.25
60012130023	Ankur Shah	Sutherland global services , Airoli	3.25
60012130012	Amit Boradia	Infosys	3.25
60012130013	Henil Mehta	Mahindra	2.4
60012148004	Kunal Parmar	Ergode IT services pvt ltd	2.25
60012130002	Atharva Bhide	Naik wealth planners pvt ltd	1.8
60012148002	Vishal Kotiya	Sunesons Engineering & Fabrication pvt ltd	1.35

LIST OF STUDENTS WHO HAVE RECEIVED ADMITS FROM US UNIVERSITIES FOR MS COURSE AS ON MAY 2017

Name	GRE Score	University admit offered at
Pooja Palkar	319	TAMU (College station), NCSU, Clemson Universities
Harshavardhan Desai	319	University of DELAWARE
Shivani K.Bhatia	303	University of TEXAS , ARLINGTON

FOLLOWING STUDENTS HAVE ALSO GIVEN GRE

Name	GRE Score
Parth Sanghvi	334
Aditya Gune	326
Varad Satam	314
Aum Pandya	303
Gaurav Shah	300

CAT SCORE OF PRODUCTION ENGG. STUDENTS

Name	Percentile
Nishant Shah	97.72
Neerja Doshi	94.44
Pritam Karmarkar	91.34

6. Staff

6.1 TeachingStaff

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.	Dr. Atul Dhale	Associate Professor
4.	Prof.R.S.Khavekar	Associate Professor
5.	Prof. Naresh C. Deshpande	Assistant Professor (Associate Head)
6.	Dr. Sanjay Thool	Assistant Professor
7.	Prof. Sandeep R. Vaity	Assistant Professor
8.	Prof.(Mrs.) Meeta N. Gandhi	Assistant Professor
9.	Prof. Avadhut A. Samant	Assistant Professor
10.	Prof. Sandip H. Mane	Assistant Professor
11.	Prof. Mehul S. Prajapati	Assistant Professor
12.	Prof.(Mrs.) Trupti Markose	Assistant Professor
13.	Prof. Amit A. Chaudhari	Assistant Professor
14.	Prof. Sanket D. Parab	Assistant Professor

6.2 Non-Teaching

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.PravinSawant	Workshop Instructor
7.	Mr.GaneshWadke	Workshop Instructor
8.	Mr.MangeshDevrukar	Workshop Instructor
9.	Mr. Vijay Chavan	Workshop Instructor
10.	Mr.DeekoakTelewane	Workshop Instructor
11.	Mr.AshokWaghela	Workshop Supporting Staff

6.3 Visiting Faculty

Sr.No.	Name	Designation
1.	Prof.K.P.Chandramohan	Sales Manager,Lacoste ,India

6.4 Departmental Responsibilities

Following is the allocation of the extra departmental responsibility for the academic year 2016-2017.

Sr. No.	Areas of Work	Coordinator
1	Overall administrative coordination	NCD
2	Industrial Training and Interactions	TM
3	Workshop	SHM
4	Class In-charge SE	MSP
5	TE	AAC
6	BE	TM
7	Lab In-charge	Respective faculty
8	Examinations	SHM
9	Departmental Library	NCD
10	Attendance Monitoring	Class In-charge
11	Faculty Monthly Report	MNG
12	Daily Report	Class In-charge
13	Coordination With Placement	SDP
14	Time-Table/Teaching Load	MNG
15	Stock Taking and Infrastructure Maintenance	AAS
16	Continuous NBA monitoring & coordination	NCD
17	Alumni association activity coordination	AAC
18	Visiting faculty coordination	SHM
19	Academic Bulletin	SDP
20	Web site updating	AAC
21	ISME & RAS Coordination	SDP
22	SAE & ISHRAE	MNG
23	VAP Coordination	MSP

HIGHLIGHTS



Highlights (Photo Illustration)

1. Dr.Hari Vasudevan addressing student & faculty members during annual day.
2. ISME Committee receiving Best Student Chapter Award.
3. DJS Skylark secured 1st rank globally in Design Report inSAE Aero-Design competition posing with their Aircraft.
4. Bridges kept for judging during DJ Nirmiti – Igniting Manufacturing Renaissance organized by ISME.

HIGHLIGHTS

- Prof.R.S.Khavekar (Associate Prof. Prod. Dept.) has received the university research grant of Rs 30,000 for the year 2016-17 on 9/02/16. Dr.Hari Vasudevan is co-investigator in research project.
- Dr. Atul Dhale (Associate Prof. Prod. Dept.) has received the university research grant of Rs 30,000 for the year 2016-17 on 9/02/16.
- Pritam Karmarkar of B.E. Production got admission in IIM -Indore.
- Prof. A.A.Samant successfully completed NPTEL course on “Outcome based pedagogic principles for effective teaching” with Elite grade.
- ISME got BEST DJSCE CHAPTERAWARD.
- Harshvardan Desai of BE-Production Engg. has published paper in “Advances in Intelligent Systems Research” (Springer Publication) along with Dr. Hari Vasudevan & Prof.R.S.Khavekar.
- Shilp Pandya of TE-Production won first prize in technical paper presentation competition held in VJTI. Topic of his paper was “Determination of flexural, tensile strength using epoxy resin and HBN as filler nitride.”
- Three BE-Production Engg. Students Aakash Panchal, Aum Pandya & Varad Satam published paper in Techno focus journal (Reference No.-ISSN2321-0532).
- Varad Satam of BE-Production was topper in NPTEL course “Modelling and Simulation of the Dynamic Systems” which was conducted by IIT Rourkee. He was given Elite+gold medal certificate.
- Aadit Shetty from SE-Production has won 2nd Prize in Millennial Fest. (Swimming).