



Shri Vileparle Kelvani Mandal's

**Dwarkadas J. Sanghvi College of Engineering**

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



# ACADEMIC BULLETIN

(July 2015-May 2016)



## DEPARTMENT OF PRODUCTION ENGINEERING

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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** – 30 Students. (A.Y.15-16). From the academic year 16-17 onwards the intake is being doubled.

## 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. 15-16)

### 2.1 INDIAN SOCIETY OF MANUFACTURING ENGINEERS (ISME)

#### Guest Lectures

Title of Guest Lecture: Seminar on Business Analytics		
Date: 1 <sup>st</sup> February 2016	Timing:	11:30 AM-12:30 PM
Location: Drawing Hall ,DJSCE, Vile Parle (W)		
Conducted By: ISME		

#### Event Summary:

The seminar organised by ISME was very interesting and knowledgeable as the students got first-hand knowledge about Business Analytics. The lecture was conducted by Mr. Mukesh Jain, Vice President and Head, NICE Systems, Pune. He is well versed with the necessity for data analysis to ensure a successful business. Students were educated on the necessity, importance and uses of Business Analytics in any business in today's age. The lecture was a unique mix of technical and business acumen, which is what made it highly interesting and informative. It was a very positive learning experience for the students and we hope to have many more in the future.

#### Event Context:

ISME had organized a seminar on "Business Analytics" on "1<sup>st</sup> February, 2016" for the students to learn and understand the use of Business Analytics.

Mr. Mukesh Jain, currently Vice President and head of NICE Systems, Pune shared his career beginnings and experiences at Microsoft USA (12 years) and Reliance Jio (4) with around 80 aspiring engineers of Mechanical and Production discipline. Mr. Jain repetitively stressed on the definition of business analytics as a medium to make data-driven decisions over HIPPO (Highest Paid Person's Opinion).

He also shed light on the various misconceptions in the analyzing process as well as few industry standards. He ensured there was a personal touch in every escapade that he narrated to keep the audience hooked. With regards to the process of Business Analytics, he exposed the truth behind receiving statistical numbers for advertisements. He also spoke about the series of innovations and circumstances that led him to them at his various workplaces like Microsoft USA, Reliance Jio, etc. He thoroughly detailed the process of conversion of raw data into useful analytical data. The lecture was followed by a Question & Answer session with him.



Mr. Mukesh Jain delivering guest lecture on "Business Analytics".

## Seminar and Workshops

Event Title: Workshop on Sheet Metal Forming		
Date: 5 <sup>th</sup> October, 2015	Timing:	09:30AM - 05:30PM
Location: L&T Training Facility , Madh Island, Mumbai		
Conducted By: ISME		

### Event Summary:

The workshop organised by ISME was very interesting and knowledgeable as the students got a hands-on view and practical exposure to the intrinsic details of the technology behind Sheet Metal Forming. Students came to know about new technology, the likes of which we've never seen before and its use in designing and manufacturing commonly used products. It helped them to establish a link between the theory taught in class and the practical application behind it. Students were also educated on the manufacturing process thoroughly which will hold us in good stead going forward. Overall it was a very interesting workshop experience for the students and we hope such workshops every year.

### Event Context:

ISME had organized a workshop on "Sheet Metal Forming" on "5<sup>th</sup> October, 2015" for the students to learn, understand and observe the Process of Sheet Metal Forming. The workshop was conducted at the L&T Corporate Training Centre, Madh Island. A total of 74 students attended the workshop. Students from Second & Third Year Production department took part in the workshop.

Students reported to the event site at 9:30 AM. Mr P. K. Shah, a veteran at L&T and Mr. Firdosh Mistry, in-charge at the training centre welcomed the students. After refreshments, Mr. Shah began his lecture of Sheet Metal Forming which included the following.

1. Process of Sheet Metal Forming
2. Press Tool Design and Manufacturing
3. Applications

The lecture was informative and the student's knowledge on Sheet Metal Forming enhanced at the end of it. After completion of the lecture, the students were divided into three groups to for a tour around various divisions of the facility. The divisions toured were the component section, operation section and the drawing section.

The component section consisted of a display of the various components that have been manufactures using Sheet Metal Forming at L&T in the past. They were now being used for training purposes. The components ranged from large plate designs to extremely small and thin plates. This showcased the versatility of the forming process.

The operation section is where the components are manufactures using press tools. Various press tools were on display and the L&T staff took great pains in explaining the working of each and every machine. The design features were elaborated in great detail. The quality of L&T workmanship also shone through as the machines were old and functioning very well.

The final section was the drawing section. Engineering drawings are the link between Design and Manufacturing in any industry. Students were shown Engineering Drawings of various machines, dies, punching presses etc. It showcased the depth and detail required for efficient manufacturing. Each of the drawings had an enormous amount of data in them. The students were also educated on the industry standards required for such drawings.

The visit ended at 5PM concluded by a photo session of the attending participants. The workshop was extremely informative and useful.





**Students of SE Production posing for Photograph after Sheet Metal Forming Workshop at C-TEA , L&T,Madh Campus.**



**Students of TE Production posing for Photograph after Sheet Metal Forming Workshop at C-TEA , L&T, Madh Campus.**

Event Title: Workshop on Rapid Prototyping Tool – 3D Printing		
Date: 16 <sup>th</sup> and 17 <sup>th</sup> March, 2016	Timings:	09:30AM - 05:30PM
Location: Seminar Hall , DJSCE, Vile Parle (W)		
Conducted By: ISME		

### Event Summary:

The workshop organised by ISME to give students a hands-on view and practical exposure on the intrinsic details of the technology behind Rapid Prototyping Tool – 3D Printing. Students came to know firstly of new technology, the likes of which we've never seen before and its use in designing and manufacturing impossible products. Students were also educated on the manufacturing process thoroughly which will hold us in good stead going forward.

### Event Context:

ISME had organized a workshop on “Rapid Prototyping Tool – 3D Printing” on “16<sup>th</sup> and 17<sup>th</sup> March, 2016” for the students to learn, understand and observe the Process of Additive Manufacturing. The workshop was conducted in the college premises. A total of 105 students registered for the workshop. Students from Second & Third Year, Production & Mechanical departments as well as ME Mechanical students took part in the workshop.

Mr. Guruprasad Rao, Director, Imaginarium Inc introduced his company and shared his experience with the audience. The company has over 30 years of combined rapid prototyping experience. A presentation on “Additive Manufacturing” & “Design Thinking of AM (Additive Manufacturing)” was given by Mr. Guruprasad Rao. Various technologies & engineering applications in AM were discussed by him. A live 3-D Printing demo was shown to the audience. Software used in 3-D Printing such as Rhino3D, zBrush, etc. were shown by engineers & graphic designers of Imaginarium namely Mr Amogh Patkar and Mr Anik Raut. The first day ended with a Question and Answer session with Mr. Guruprasad Rao.

The second day began with a presentation on “AM Applications in Biomedical Sector” by Mr. Guruprasad Rao. Topics such as Human Organ 3-D Printing, Demerits of 3-D Printing, Future of AM & 3-D Printing, etc. were discussed by Mr. Guruprasad Rao & his assistants. A hands-on session was given to each and every participant on the 3-D printing Machine by Flash Forge, 3-Doodler & 3-D Scanner. Various participants showcased their 3-D CAD models which can be 3-D printed. The workshop ended with a Vote of Thanks to Mr. Guruprasad Rao. The AM workshop was very enlightening and practical. We look forward to many more such workshops.



**Dr.Guruprasad Rao (Director, Imaginarium) conducting Workshop on 3-D Printing.**



Event Title: Seminar & Project Competition		
Date: 31 <sup>st</sup> March and 1 <sup>st</sup> April 2016	Timing:	09:30 AM–05:30 PM
Location: Seminar Hall & 5 <sup>th</sup> Floor Prod Dept. , DJSCOE, Vile Parle (W)		
Jointly organized by <u>The Department of Production Engineering &amp; the Department of Mechanical Engineering</u>		

### Event Summary:

The Seminar and Project Competition jointly organised by The Department of Mechanical Engineering, The Department of Production Engineering and Dwarkadas J Sanghvi College of Engineering was very interesting and knowledgeable as the students attended seminars on pressing industry topics as well as received the opportunity to present their projects to a jury of experienced judges with a view to win the cash prizes on offer. The lectures were conducted by various industry professionals who are well versed in their field of expertise. We were educated on Renewable Energy Sources, Startups and Entrepreneurship and lastly, a vision for Make in India. The theme of the event was “Make in India: Igniting Manufacturing Renaissance” Project entries were received from BE, ME students as well as PhD scholars and covered a wide variety of topics relevant to the Industry. It was a very positive learning experience for the students and we hope to have many more in the future.

### Event Context:

The Seminar and Project Competition jointly organised by The Department of Mechanical Engineering, The Department of Production Engineering and Dwarkadas J Sanghvi College of Engineering on “31<sup>st</sup> March and 1<sup>st</sup> April, 2016” for the students to learn and comprehend various industry related issues and topics. Over 100 students attended these seminars.

Seminars conducted included the following:

1. IoT in Manufacturing by Mr. Jitendra Shenoy, L&T InfoTech: Mr Shenoy spoke about designing and building of large scale enterprise applications which will be handy for students interested in this sector.
2. Renewable Energy Sources by Mr. V. G. Abraham, SolarTroniks: Mr Abraham spoke mainly about the advances in solar energy harnessing and storage. He had vast knowledge on topics like product promotion and documentation as well which he willingly shared.
3. Business Planning for Startups by Mr. Amit Trivedi, InvestWorks: Mr Trivedi is an IIM graduate and as witnessed from his lecture, the quality shone through. He elaborated on the need of planning and investment to become a successful entrepreneur in today’s day and age. His lecture was filled with practical advice from his own experiences as well.
4. A vision for Make in India by Mr. Sunil Kangane, Invotec: Mr Kangane spoke about what we as Indians should envisage our country to be in the future to come. He also stressed on the required skill set we students, the citizens of the future must possess to become successful.

The Project Competition attracted 60 entries from BE and 21 entries from ME students & PhD scholars combined. Students from colleges across Mumbai participated in the competition that included a wide range of categories of projects from Design to Manufacturing. Special credit was reserved for projects that were in line with the theme of the event. The participants presented their projects to a jury of experienced judges and the 10 finalists were chosen. Mr. Paleja, Former CEO, L&T, Chief Judge adjudged the winners from the 10 finalists. He also judged the Poster Presentation competition held exclusively for ME / PhD students and crowned the winner as well. The winners from all categories were awarded with certificates of merit as well as handsome cash prizes. The project competition saw projects range from novel to outstanding and showcased the talent of the future of the country, the event was an attempt to publicise the country’s ‘Make in India’ vision amongst the student community for better awareness. It also helped put the college name amongst the pioneers in supporting the ‘Make in India’ vision. We hope to conduct larger events in the future to help the country.



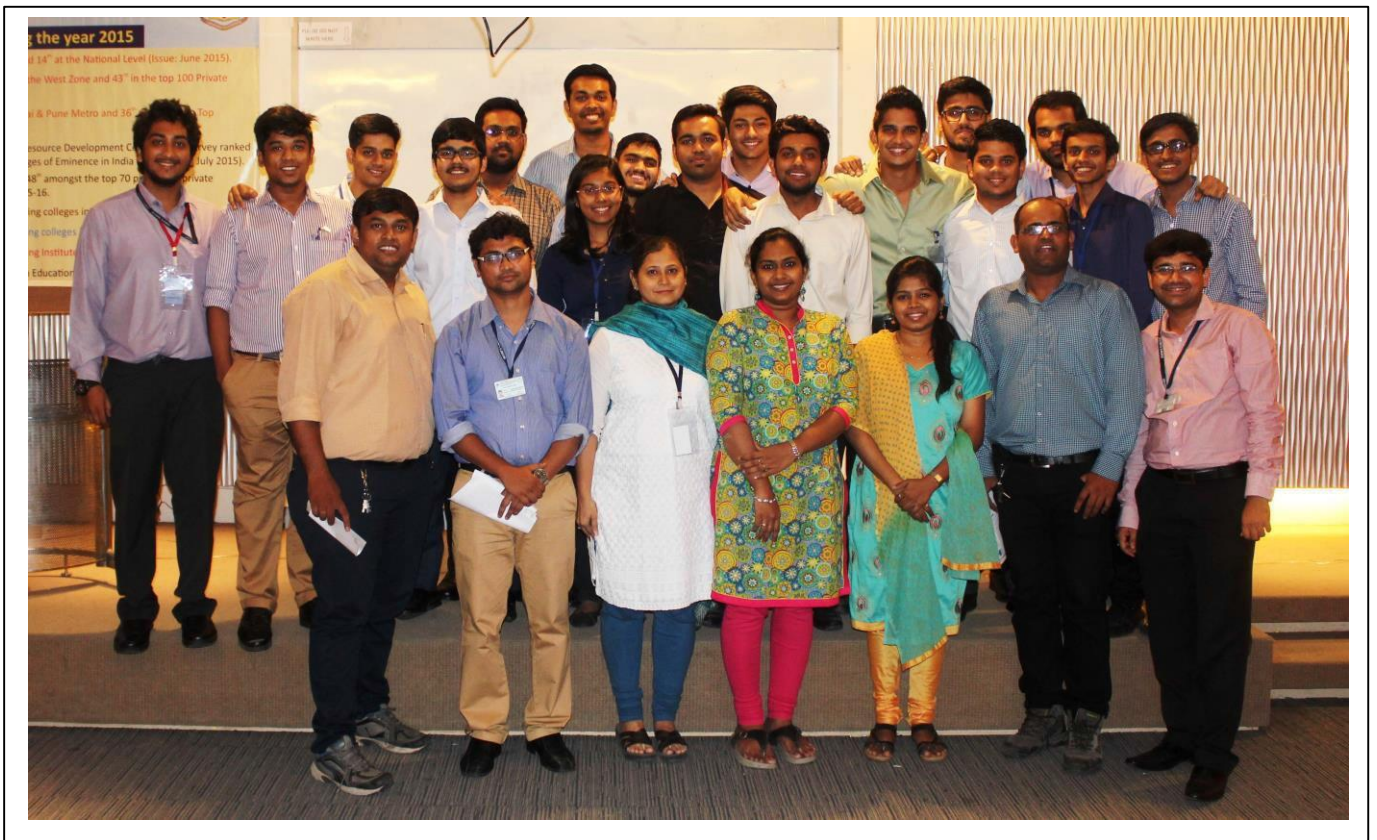
**Dignitaries on dais during Inauguration of Seminar & Project Competition. (From left Dr.Vijaya Kumar (HOD Mech.Dept.) , Jeetendra Shenoy (Guest speaker) , Dr Hari Vasudevan ( Principal & HOD Production Dept.) , Prof. A.C.Daptardar (Vice-Principal Admin) , Dr.A.R.Joshi ( Vice-Principal –Academic) & Prof.R.S.Khavekar ( T&P officer )**



**Mr. Amit Trivedi delivering guest lecture on “Business Planning for Startups”.**



**Prof. Khavekar felicitating Mr. V. G. Abraham, who gave guest lecture on “Applications of Renewable Energy Sources”**



**Organising Team for Seminar & Project Competition on “Make in India : Igniting Manufacturing Renaissance”.**



## VAP (VALUE ADDED PROGRAM) COURSE

### Solidworks Training

**Date of Commencement:** - 17<sup>th</sup> August 2015

**Organized by:** - ISME

**Organized For:** - SE Production Students.

**Conducted by:** - CADD CENTER, ANDHERI

**Faculty In charge:** - Prof. Mehul Prajapati.

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 Solidworks in collaboration with CADD Centre. 10 students registered for this VAP course.

### Industrial Visits

**(1) Industrial Visit to Amtek Forging,**

**Chakan Date:** - 2<sup>th</sup> March 2016

**Place:** -Chakan, Pune

**Conducted by:** - ISME , Production Department, DJSCE

**Faculty In charge:** - Prof. Sandip Mane & Prof. Amruta Rane

An industrial visit was conducted for 3<sup>rd</sup> year students from Production Engineering Department on 2<sup>th</sup> March 2016 to 'Amtek Forging', Chakan, Pune. A total number of 35 students visited the companies. The students visited the forging company, wherein they got an opportunity to actually see the forging process which are related to a subject in current semester i.e. MMFT and various material handling systems of the company.



**Students of SE & TE Production in Amtek Forging.**

**(2) Industrial Visit to Godrej Security Solutions,  
Ambernath. Date: - 10<sup>th</sup> March 2016**

**Conducted by: - ISME, Production Department, DJSCE**

**Faculty In charge: - Prof. Sanket Parab & Prof. Amit Chaudhari**

An Industrial visit was conducted for second and third year students from Production Engineering Department on 10<sup>th</sup> March 2016 to Godrej Security Solutions, Ambernath. Students of D. J. Sanghvi College of Engineering were the first ever to visit this plant. Students got an opportunity to see the complete manufacturing of safes. A well planned assembly line for manufacturing of safes 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 safety measures taken on shop floor was given by their engineer. 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.



**Students of SE & TE Production outside Godrej  
Security Solution Ambernath Plant.**



### **(3) Industrial Visit to L&T's C-TEA (Centre for Technology and Engg. Application)**

**Date:** - 29<sup>th</sup> March 2016

**Place:** - L&T, Madh

**Conducted by:** - Production Department, DJSCE

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

It was one day visit from 9am-5:30pm. Following are the highlights of Visit:-

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



**TE Production posing for photograph after completing Welding /Fabrication activity at L&T , C-TEA ,Madh Campus**

## 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 third 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.

### (i) Value Added Programs

German Language classes are being conducted in the premises of Mechanical Engineering Department, by Mrs. Ujwal Anil, a language consultant. The classes commenced in January 2016 and will end by July 2016.

### (ii) Teams

#### ➤ DJS KRONOS INDIA

- Participated in BAJA Student India – National Level Off-road Racing Competition organized by Delta Inc. and sanctioned by FMSCI. It was held at the Buddh International Circuit, NOIDA in January 2016.
- 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. Maneuverability Event- **1<sup>st</sup>** Position
2. Weight Pull Event - **4<sup>th</sup>** Position
3. Overall- **8<sup>th</sup>** Position





## ➤ DJS SKYLARK

- Participated in SAE International AERO Design East – International level RC Aircraft design competition organized by SAE International. It was held in Fort Worth, Texas, USA in March 2016.

## ACHIEVEMENTS

1. Oral Presentation- 3<sup>rd</sup> Position (Regular Class)



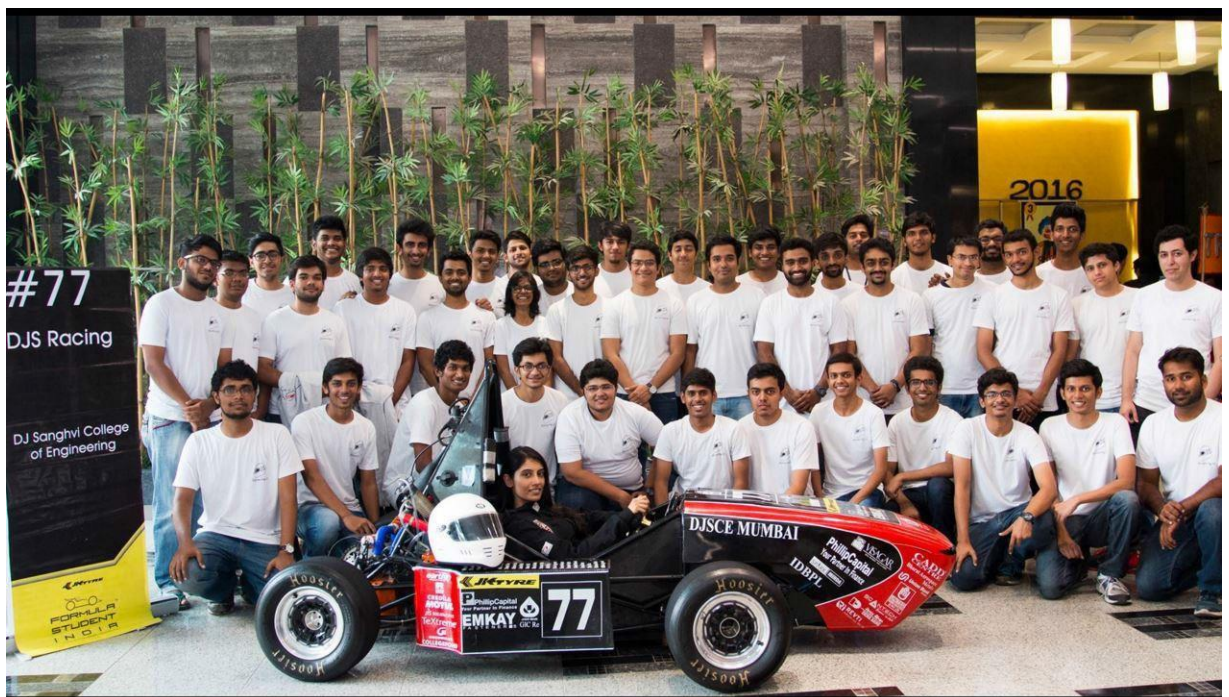
**DJS Skylark Team , Zeel Shah SE-Prod( 1<sup>st</sup> from left ) , Smith Raval TE-Prod (3<sup>rd</sup> from left) & Pooja Palkar (4<sup>th</sup> from left) .**

## ➤ DJS RACING

- Participated in Formula Student India- National level Race car Design competition organized by Delta Inc. and sanctioned by FMSCI. It was held at the Buddh International Circuit, Noida in January 2016.

## ACHIEVEMENTS

1. Cost Event- 2<sup>nd</sup> Position
2. Design Event- 4<sup>th</sup> Position
3. Overall- 6<sup>th</sup> Position



**DJS Racing Team**

### (iii) Guest Lectures

- An invited talk on “Project Based Learning” on 4<sup>th</sup> February, 2016 by Dr. Sandeep Inamdar (Managing Trustee, Vishwaniketan)
- An invited talk on “Introduction to Oil, Gas and Power Sector” on 22<sup>nd</sup> March, 2016 by Mr Vasant Dinkar Mestry (Chairman and MD, Suvidya Institute of Technology).

### (iv) Competitions

- A competition on Clay Car modeling was organized on 24<sup>th</sup> August, 2015. It was judged by Prof. E. Narayanan, Mentor , Production Dept.



## 2.3. ISHRAE (Indian Society of Heating Refrigerating & Air Conditioning Engineers)

**Brief description of activities conducted during July 2015 to April 2016**

### 1. Value Added Program:

Value added course on MATLAB was conducted from October 2015 to November 2015 in the college itself.

- 17 students of Final year attended the course.
- They were given a deep knowledge as to how mathematical concepts can be related to engineering problems and applied to the same using MATLAB.
- Certified Programme

### 2. Event for Social cause:

An event named 'Car Rally for the Blind' was conducted on 24<sup>th</sup> January, 2016. The tagline of the rally was You Drive-We Navigate wherein the main purpose was the welfare of the visually impaired and education for the under-privileged children.

- Under the aegis of National Associations of the Blind, the students of ISHRAE DJSCE volunteered for the event.
- The students were involved in food distribution & assisted in event management
- The volunteers were honoured with a certificate by Mrs.Fadnavis

### 3. Seminar:



A one-day invited talk was conducted on 10<sup>th</sup> February, 2016 on the topic 'Advances in Comfort Ventilation by combining Traditional Indian Practice and Modern T.



- The invited guest was Mr.Surendra H.Shah from Panasia Engineering Pvt Ltd
- The honourable speaker informed the students as to how various domestic methods can be used to conserve heat energy and used accordingly
- With the help of a reflective sheet, he practically demonstrated the mechanism of working of the silicon reflecting sheets



**Students attending invited talk on “Achieving Comfort Ventilation by combining Traditional Indian Practice”.**

## **DJ NSS (Contribution of Production Engg. Students in NSS activities.)**

### **\*Shubhshankar Khandelwal(SE – Production)**

\*Was there in the NSS publicity co-committee which included:

- Publicity for the Blood Donation drive throughout the college.
- Organised and performed in a FlashMob in the college premises.
- Helped the creative team in making charts and posters.

\*On the day of Blood Donation Drive, provided the blood donors with refreshments and took proper care of them.

### **\*Harsh Shah(SE – Production)**

\*Was there in the NSS logistics co-committee which included:

- Helped in making the billboard.
- Helped the creative team in making charts and posters.
- Helped in publicity for Blood Donation Drive throughout the college and near by areas

\*On the day of Blood Donation Drive, provided the blood donors with refreshments and took proper care of them.

Swach bharat abhiyaan

- Helped in beautification of Andheri station

### **Devansh Mehta(SE – Production)**

Events like deeds of kindness, blood donation drive were organized

In deeds of kindness a desk was set up in the lobby of the college and different boxes were kept for clothes, books and toys which were donated.

Blood donation drive:

The work done by him in blood donation drive was

- Helped the creative team in making charts and posters
- Did photography of the event
- Helped in making the billboard



**Harsh Shah , Devansh Mehta & Shubshankar Khandelwal (SE-Prod ) Students seen in DJ NSS committee photo.**

### **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. Saurabh Latad from third year was the head of department for the sports fest & Nishant Shah from third year who was the head of Marketing for the fest which was able to get Farhan Akhtar to perform for the first time at a college fest in Mumbai.

Amongst the SE Jaywin Choksi and Steve Paul were part of marketing team and helped take the festival to new heights.

### **3. ACHIEVEMENTS**

#### **3.1 Faculty Publications / Workshop (STTP)**

##### ***International Conference***

##### **Publication by Dr.Hari Vasudevan**

1. Paper titled “ **Optimization of cutting Parameters for surface Roughness in the Machining of GFRP composites using Grey fuzzy method**” is accepted for presentation & publication in the 6<sup>th</sup> International & 27<sup>th</sup> All India Manufacturing Technology , Design & Research Conference to be held at Pune from 16-18 December 2016.

2. Paper titled “ **Optimization of Material Removal Rate and Cutting Forces in Turning of GFRP composites**” is accepted for presentation & publication in the 6<sup>th</sup> International & 27<sup>th</sup> All India Manufacturing Technology , Design & Research Conference to be held at Pune from 16-18 December 2016.

3. Paper titled “ **Strength Analysis of two Component Epoxy Adhesive Bond between Carbon Fibre AND SS302** ” is accepted for presentation & publication in the 6<sup>th</sup> International & 27<sup>th</sup> All India Manufacturing Technology , Design & Research Conference to be held at Pune from 16-18 December 2016.

##### **Publication by Prof Naresh C.Deshpande**

1. Paper titled “ **Optimization of cutting Parameters for surface Roughness in the Machining of GFRP composites using Grey fuzzy method**” is accepted for presentation & publication in the 6<sup>th</sup> International & 27<sup>th</sup> All India Manufacturing Technology , Design & Research Conference to be held at Pune from 16-18 December 2016.

##### **Publication by Prof Meeta Gandhi**

1. Prof Meeta Gandhi (with Dr.K. N. Vijaykumar and Mohammed Adnan Sheikh) research paper titled “**Green Supply Chain Management Practices in Automobile Industry**” in Industrial Engineering Journal; Vol IX & Issue no 4 of April 2016 .

##### ***Workshop / Seminar / Guest Lecture / Technical Talk***

1. **Prof. Amit Chaudhari** participated in a State level faculty development programme on entrepreneurship programme by Sinhgad College of engineering, Pune on 11 to 13/02 /2016.

### 3.2 Students Extra-Curricular Activities (15-16)

SE Production			
Sr. No.	SAP ID	Name	Achievements
1	60012140004	Himanshu Desai	Participated in Mumbai University Taekwondo Competition (Green Belt)
2	60012140015	Devansh Mehta	Sports Co-committee of Trinity 2016
			NSS Co-committee (DJSCE)
			Organised Box Cricket Tournament during Trinity Sports Fest 2015
3	60012140026	Harsh Shah	Logistics Co-committee of Trinity 2016
			NSS Co-committee (DJSCE)
			Co-committee of ISHRAE
			Organising Co-committee of Annual Day 2015-2016 (DJSCE)
4	60012140003	Kanhai Dalal	Organised Badminton Tournament during Trinity Sports Fest 2016
			Part of Badminton Team of College (DJSCE)
5	60012140001	Steve Paul	Team Member of Marketing Department Trinity 2016
6	60012140020	Sohum Parekh	Top 7 in iBusiness Competition Organised by Rotract Club of Podar College
7	60012140005	Rushabh Dharod	Vice-Captain of DJS Kronos (Official ATV Making Team of DJSCE)
			Co-committee of SAE
			College Table-Tennis Team
8	60012140010	Shubhshankar Khandelwal	Captain of Bio-Prod Department 2015-2016
			Publicity Team of NSS (DJSCE)
			Participated in Intra-College Street Play Competition
9	60012140016	Shubham Nage	College Fashion Show Team
			SVKM Fashion Team
			SVKM Dance Team
			Co-committee in Trinity Sports
			Runners up in Mr. Trinity
			Managed Rink Football during Trinity Fest 2016
			Co-committee of ISME
10	60012140014	Aditya Matkar	Participated in Intra-College Street Play Competition
			Volunteer in Project Competition cum Lecture Series Organised by ISME
11	60012140012	Harsh Kothari	Participated in NMIMS's Business Idea Competition "Business Entree" (Top 15)
			Co-committee of ISME
12	60012140008	Varun Kadakia	Co-committee of SAE
			Member of DJS Kronos (Official ATV Making Team of DJSCE)
13	60012140028	Zeel Shah	Team Member of Skylark
14	60012140027	Pakshal Shah	Co-committee of ISHRAE
			Co-committee in Trinity Sports
15	60012140011	Rohan Kini	Co-committee in Trinity Sports



<b>Second Place in Inter-Department Dance Competition (SE Production)</b>		
<b>Sr. No.</b>	<b>SAP ID</b>	<b>Name</b>
1	60012140001	Steve Paul
2	60012140010	Shubhshankar Khandelwal
3	60012140018	Dushyant Panchal
4	60012140020	Sohum Parekh



**(From left )SE-Prod Students Dushyant Panchal , Shubhshankar Khandelwal & Soham Parekh (extreme right) performing on award winning dance performance.**

## T. E. PRODUCTION

Sr. No.	Sap id	Name	Achievement
1.	60012130013	Henil Mehta	Event head of ISME
2.	60012130016	Gaurav Pande	Vice chairperson of ISME
3.	60012130022	Varad Satam	Part of DJS racing, the formula student team of D J SANGHVI, which participated in FSI 2015. The team was the first team to qualify for the competition. The team secured the following ranks 1) 2nd in the cost event all over India 2) design finalists and 4th in design finals 3) 6th overall ranking all over India
	60012130028	Aaditya Singh	
4.	60012130026	Nishant Shah	Marketing Head Trinity
5.	60012130010	Pritam Karmakar	Gold medalist in various karate events 1. AJKA India championship - 2 silver medal 2. AJKA India championship- 1 gold, 1 silver, 1 bronze medal  Akshay kumar international kudo championship - bronze medal  AIKF(all India karate do-federation) affiliated with indian olympic organization reccognized karate judge and referee grade b
6.	60012130021	Parth Sanghvi	Indian Robotics Olympiad 2015
	60012130022	Varad Satam	
	60012148006	Darshan Thakker	
7.	60012130015	Aakash Panchal	Photographer for 'Make in India: Ingiting Manufactruing Renaissance' organized by ISME
8.	60012148003	Mohit Panchal	Volunteered for 'Make in India: Ingiting Manufactruing Renaissance' organized by ISME

## **BE-PRODUCTION**

Sr.No.	SAP ID	Name	Achievements
1.	600121200019	Samay Parikh	Inter-department Table tennis Runner up in college festival Trinity 2016
2.	60012120010	Prasad Kulkarni	Attended IUCEE Conference at COEP, Pune.
3.	60012120002	AyushChowdhary	Inter-department Table tennis Runner up in college festival Trinity 2016
4.	60012138003	ChinmayNaik	Won TCS best project award for 2016.
5.	60012120005	Ometz Elijah	1) Representative of Production Engineering in Placement committee of college. 2) Member of Student Council of college.
6.	60012120003	Umang Dadhich	Representative of Production Engineering in Placement committee of college.
7.	60012120023	AniruddhShenoy	Part of college football team.



## Special Achievements by Production Engineering Students.

### DJ Dramatics Team

"As a part of dramatics team of DJ Sanghvi, **Shreyas Marathe (TE-Prod Student )** got the opportunity to be a part of a team that represented our college at various levels.

It started with participating at **BITS Pilani, Goa** in the month of December. The team was later selected to perform a skit at SVKM's mega cultural and sports fest **YUVA 2016** held at Bhaidas Hall. **DJ sanghvi's Dramatics team** was the only selected amongst all the institutions under SVKM for YUVA 2016.

They further started an unbeaten winning streak in Streetplay competitions. The team secured **1st place** at streetplay competitions held at **SPCE, SPIT and Vivekanand College of Engg** and **2nd place** at **KJ Somaiya, Thadomal College, ICT**.

The team also got a special invites to perform at various locations in Mumbai. On '**Internationa Women's Day**' the team performed at Savarkar Seva Kendra, Ville Parle and Vijay Nagar, Andheri. Further at '**The Bombay Presidency Radio Club, Fort**' and '**Gateway of India**' for which we received press coverage from '**Mumbai Mirror**'



## SAE

**Pooja Palkar (TE-Prod Student)** was Event Head of SAE Committee which won the best student chapter award for 2015-16. She was inseparable part of **DJS SkyLark - Marketing Head**, Wherein SkyLark secured 3rd rank globally in Technical Oral Presentations.

### Achievement in Karate.

**Pritam Karmarkar TE- Production Student** received International level black belt in the year 2016 January. Also he got 2nd place AJKA India championship- 1 gold,1 silver,1 bronze medal in 2016 . At present he is also selected as referee for different karate championship.



**Pritam Karmarkar receiving prize for AJKA India Championship**

### TCS BEST Project Award

**Chinmay Naik BE –Production Student** won **TCS BEST Project Award** for his project titled “Green Supply Chain Management in Logistics”.



**Chinmay Naik with his TCS BEST Project Award**

**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:

<b>Sr. No.</b>	<b>Companies</b>	<b>No. of Students allocated for Project</b>
1.	L and T, Powai	10
2.	Godrej, Vikhroli	17
3.	PAM, Kandivali	03
4.	Volkeswagon, Chakan	02
5.	Gemson , Goregaon	03



#### 4. Result Analysis

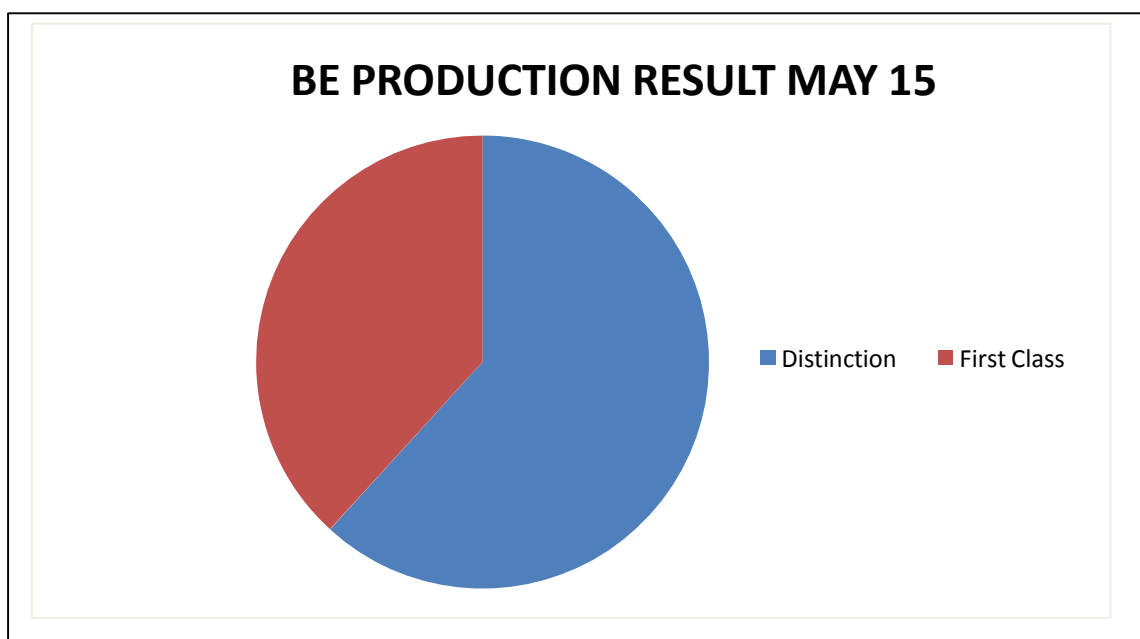
- **Result Analysis (May 15)**

B.E. PRODUCTION RESULT ANALYSIS (May 2015)
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Class	Total	Distinction	First Class	Second Class	Failed	% Result
<b>BE</b>	34	21	13	0	0	<b>100%</b>

#### 3 University Merit Ranks

Name	Percentage	Rank
Harshil Shah	83.2381%	1 <sup>st</sup> Rank in University
Rohan Nayak	80.38%	2 <sup>nd</sup> Rank in University
Ronak Pandya	77.71%	7 <sup>th</sup> Rank in University



## 5. Placement & Higher Studies

- Twelve students were placed
- Following is the placement data for the year 2015-16:

### Branch : Production 15-16

SAP Number	Name of Student	1st Company	2nd Company	3rd Company	Package in lakhs
60012120001	Beli Ritvik Shrawan	Nerolac paints	-	-	3.25
60012120002	Chowdhary Ayush Ajit	Infosys	Nerolac paints	Avalon Global Research	4
60012120003	Dadhich Umang Mahesh	Infosys	Godrej and Boyce	-	5.5
60012120005	Elijah Ometz Moses	Infosys	Godrej and Boyce	Ernst and Young	4.27
60012120007	Jadeja Yuvraj Pravin	Infosys	-	-	3.2
60012120022	Shah Shruti Jayeshbhai	Jacobs Engineering	-	-	-
60012138002	Kadam Mayuresh Suresh	Infosys	-	-	3.2
60012120016	Siddharth Menon	Mahindra & Mahindra	-	-	3
60012120023	Shenoy Aniruddh Manjunath	Praxair India private Ltd	-	-	3.84
60012138004	Nandha Ajay Bharatkumar	Capgemini	-	-	2.7
60012138008	Sheth Naman Sumankumar	Linit Export Private Ltd	-	-	2.67
60012138003	Naik Chinmay Chandrashekar	Gandhi Automation	-	-	2.45

**LIST OF STUDENTS WHO HAVE RECEIVED ADMITS  
FROM US UNIVERSITIES FOR MS COURSE AS ON 9 APRIL  
2016**

<b>Name</b>	<b>GRE Score</b>	<b>University admit offered at</b>
Pratik Parab	313	University of Albama in Huntsville
		University of Albama
		Clarkson University
		Houston Texas Main Campus
Krunal Sonpal	311	University of Pittsburg
		SUNY Buffalo
		Northeastern University
		Oregon State University
Ashutosh Khatri	306	University of Miami, RIT
		Miami University, Oxford
		University of Missori, Kansas
Mokshad Gaonkar	306	Indianapolis- Purdue
		NJIT
		University of Akron
Yash Kothari	301	NCSU
		UTD
		OSU
		UIC

## 6. Staff

### 6.1 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)

### 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.Pravin Sawant	Workshop Instructor
7.	Mr.Ganesh Wadke	Workshop Instructor
8.	Mr.Mangesh Devrukar	Workshop Instructor
9.	Mr. Vijay Chavan	Workshop Instructor
10.	Mr.Deoak Telewane	Workshop Instructor
11.	Mr.Ashok Waghela	Workshop Supporting Staff



### 6.3 Departmental Responsibilities

File. No.	Files	Teacher
1	Course File and Lab Manual	Every Teacher
2	Personal File	Every Teacher
3	Admission Data file	Prof. A. Rane
4	Course Outcomes and mapping	Prof. M. S. Prajapati
5	Students Attendance Monitoring	Prof. A. A. Chaudhari
6	Students Projects and In-plant Training	Prof. Trupti Markose
7	Students Publications and Participation	Prof. Trupti Markose
8	Workshops and Seminar	Prof. Trupti Markose
9	Industry Visit	Prof. Trupti Markose
10	ISME / RAS	Prof. S. D. Parab
11	SAE / ISHRAE	Prof. M. N. Gandhi
12	Exam	Prof. S.R. Vaity
13	University Result and Result Analysis	Prof. D. S. Shukla
14	Remedial Classes	Prof. A. Rane
15	Mentoring System	Prof. S.R. Vaity
16	Self-learning facilities	Prof. S. R. Vaity
17	Program Exit Survey	Prof. S. R. Vaity
18	Placement & Tracer Study (Internship, competitive exams, higher studies etc.)	Prof. S. D. Parab
19	Alumni Records	Prof. A. A. Chaudhari
20	Load Allocation & Time Table	Prof. A. A. Samant
21	Teacher Evaluation by Students (Feedback)	Prof. A. Rane
22	Faculty Participation & Interaction with Outside World	Prof. S. H. Mane
23	Faculty Publications	Prof. S. H. Mane

24	R & D and Consultancy	Prof. S. H. Mane
25	Visiting Faculty	Prof. S. H. Mane
26	Monthly Reports	Prof. M. N. Gandhi
27	Appraisal system	Prof. M. N. Gandhi
28	Department Library	Prof. N. C. Deshpande
29	Circular and Notices	Prof. N. C. Deshpande
30	Student File	Prof. N. C. Deshpande
31	Meeting File	Prof. S. D. Parab
32	Teaching Staff File	Prof. D. S. Shukla
33	Stakeholders Participation/ Feedback of institute activities	Prof. D. S. Shukla
34	Non-Teaching / Technical Support Staff File	Prof. A. A. Chaudhari
35	Departmental Budget	Prof. M. S. Prajapati
36	Infrastructural Details File	Prof. M. S. Prajapati
37	Procurement, Purchase and Maintenance	Prof. A. A. Samant
38	Laboratory Dead Stocks and Consumables	Prof. A. A. Samant
39	Academic Bulletin	Prof. S. D. Parab
40	Web site updating records	Prof. A. A. Chaudhari

# HIGHLIGHTS



## Highlights (Photo Illustration)

1. Chinmay Naik BE –Production Student with his TCS BEST Project Award for his project titled “Green Supply Chain Management in Logistics”
2. Prof. (Mrs.) Meeta Gandhi receiving 2nd prize for Project Poster Competition (Phd. Category) from Dr.Hari Vasudevan.
3. DJS Skylark secured 3rd rank globally in Technical Oral Presentations, memento for the same.
4. TE Production completing Welding /Fabrication activity at L&T , C-TEA , Madh Campus.
5. Shreyas Marathe (TE-Prod Student ) performing Streetplay.
6. Dr.Hari Vasudevan , Dr. Vijaya Kumar & Prof. Khavekar judging Project Poster Competition (Phd. Category) organised by ISME having theme “ Make in India : Igniting Manufacturing Renaissance”.

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- Prof. N.C.Deshpande (Dept. In-Charge Production Department) has received the university research grant of Rs 30,000 for the year 2015-16 on 9/02/16.
- 3 University Merit Ranks in Final year May 15 Result (1<sup>st</sup>, 2<sup>nd</sup> & 7<sup>th</sup>)
- 12 students got placed.
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- Department got 3<sup>rd</sup> place in Inter-Department IDPT Cup for the year 2015-16



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