



Shri Vileparle Kelvani Mandal's

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



ACADEMIC REPORT

(July 2018-May 2019)



**DEPARTMENT OF
PRODUCTIONENGINEERING**

INDEX

Sr. No	Content	Page no.
1.	About the Department.....	1
2.	Student Chapters.....	3
3.	Achievements.....	28
3.1	Faculty Publications / Workshop (STTP).....	28
3.2	Students Extra-Curricular Activities.....	30
3.3	Industrial Training and Project.....	34
4.	Result Analysis	35
5.	Placement & Higher Studies	37
6.	Staff.....	39
6.1	Teaching.....	39
6.2	Non-Teaching.....	39
6.3	Visiting Faculty.....	40

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 15 full time well qualified faculty and 9 Non-Teaching staffmembers.
- 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. 18-19)

2.1 INDIAN SOCIETY OF MANUFACTURING ENGINEERS (ISME)

Seminar and Workshops

NILKAMAL VIRTUAL INDUSTRIAL VISIT

Date: 08/10/18

Venue: Seminar Hall, DJ SANGHVI COLLEGE OF ENGINEERING

Organized For: - SE & TE Production Students.

An edifying virtual industrial visit and seminar was conducted by Mr. Sougata Datta, Quality Assurance and Process Engineering Head, Nilkamal Pvt. Ltd, for the students of Mechanical and Production departments of DJ Sanghvi College. The seminar highlighted the virtual tour of the Nilkamal Plant along with the various prospects of the Moulded Plastic Furniture Market giants, Nilkamal Pvt. Ltd, India.

Firstly, the speaker introduced the brand by acknowledging the Founders of the Nilkamal Pvt. Ltd, Vaman Parekh and Sharad Parekh, the Entrepreneurs who are the reason behind the eminence of the Furniture giants. . A brief overview of the glorious History of the reputed company ensured that the Seminar kicked off on a high. The seminar then proceeded to the various branches throughout the country with headquarters lying in Mumbai

The students were briefed about the multifarious businesses that are run by the Industry such as Household handling solutions, Plastic products, Furniture, etc. Various processes that go through in the manufacturing unit of Nilkamal Pvt. Ltd. were highlighted in detail by the speaker. A short video emphasizing the various Manufacturing processes was shown to the students to create an amazing visual foresight and give the Seminar a pragmatic experience.

In the last segment of the very captivating Seminar, Mr. Sougata Datta introduced the students to the various Nilkamal Products that we use on our day to day basis yet are unaware of. A token of appreciation was handed to Mr.Datta by the HOD of Mechanical Department, Mr. Vijaya Kumar.

The undisputed leader of Plastic Chair and Furniture Products Manufacturer truly deserves its Reputation in the International market.



3D PRINTING AND SCANNING

Date:

Venue: Seminar Hall, DJ SANGHVI COLLEGE OF ENGINEERING

Organized For: - SE & TE Production Students.

Event Summary:

The workshop organized 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. It was conducted on the 13th of February, 2019. 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. 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, ImaginariumInc 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 MrAmoghPatkar and MrAnikRaut. The first half ended with a Question and Answer session with Mr. Guruprasad Rao.

The second half 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.



Mr. Guruprasad Rao, Director, ImaginariumInc with ISME student Volunteers after completion of 3-D Printing Workshop.

VAP (VALUE ADDED PROGRAM COURSE)

Ansys Training

Date of Commencement: - 11th August 2018

Organized by: -ISME

Organized For: SE & TE Production Students.

Conducted by: -CADD CENTER, ANDHERI

Faculty In charge:-Prof.Sanket D.Parab

Keeping in view the fierce competition the students have to face in outside world and need for skill expertise. ISME has organized 50 hours training session on Ansys in collaboration with CADD Centre. 26 students registered for this VAP course.

INDUSTRY VISITS

Industrial Visit to Maxion wheels, Pune

Date: - 11th August 2018

Place: - Chakan , Pune

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

Organized For: SE & TE Production Students.

Faculty In charge: - Prof. Mehul Prajapati & Prof. Amit Chaudhari.

Maxion wheels is a company centred on the manufacturing of wheels. The company has been on the market for 100 years while innovating new technologies simultaneously, thus giving them the competitive edge over the years. It has served a wide range of customers over the years including the likes of TATA, Toyota, Volkswagen, Honda, Hyundai etc.

On the 11th of September 2018, the students of production engineering department were given an opportunity to visit the industry and learn a few processes which were in relation to their academic curriculum. Though the industry was equipped with many processes under its production line, we were taken to see the process which was unique to Maxion wheels. We were given an opportunity to observe the Flow Forming process and were briefed on it during the time of observation.

Flow Forming: Flow Forming is an incremental metal-forming technique in which a disk or tube of metal is formed over a mandrel by one or more rollers using tremendous pressure. The roller deforms the workpiece, forcing it against the mandrel, both axially lengthening and radially thinning it. Since the pressure exerted by the roller is highly localized and the material is incrementally formed, often there is a net savings in energy in forming over drawing or ironing processes.

However, these savings are often not realized because of the inherent difficulties in predicting the resulting deformation for a given roller path. Flow forming subjects the workpiece to a great deal of friction and deformation. These two factors may heat the workpiece to several hundred degrees if proper cooling fluid is not utilized. During flow forming, the material is cold worked, changing its mechanical properties, so its strength becomes similar to that of forged metal.

Most of the processes including the Flow forming process was automated and required minimal manual labour. The process was generally used to considerably reduce the weight of the product. The wheels thus manufactured, were of two types: Tube and Tubeless.

The visit lasted for about half an hour, at the end of which the students were thankful for the opportunity given to them. The observations made in the visit were in close accordance to what was being taught to them, thus making the entire visit a productive one.

Industrial Visit to Chemical Process Equipments Private Limited, Govandi, Mumbai.

Date: 25th August, 2018.

Organised by: ISME

Faculty in charge: Prof.E.Narayanan

Organized For: TE Production Students.

Venue: Chemical Process Equipments Private Limited, Govandi.

On the 25th of August, 2018, the students of third year of the production engineering course had an opportunity to visit Chemical Process Equipments Private Limited in Govandi, Mumbai.

Chemical Process Equipments Private Limited was started in 1964 by Mr. B. S. Rajpurohit. The company deals with the design, manufacture and installation of FRP/GRP and FRP Dual Laminate equipments for application in industries such as chemical, fertilizer, paper & pulp, food processing, water & waste water, textile, metallurgical, paints, power plants etc. They use various thermoplastics such as PVC, C-PVC, PP, HDPE, PVDF, PTFE, FEP, E-CTFE AND PFA. The resin systems used are polyester, vinyl ester, epoxy and phenolic. The manufacturing techniques employed by CPE Pvt. Ltd. Include hand lay-up, spray lay-up and filament winding.

Students were shown the different types of collapsible moulds used, reinforcements & their different forms, and the processes of filament winding, hand lay-up and spray lay-up.

Filament Winding: In filament winding method, fiber strands are unwind and passed continuously to the resin tank. In resin tank, fiber strand are impregnated completely with the resin. Now, these resin impregnated strands are passed onto a rotating mandrel. These strands are wound around the mandrel in a controlled manner and in a specific fiber orientation. Fiber tension is critical in filament winding because compaction is achieved through the fiber tension.

Hand Lay-up: A release gel is sprayed on the mold surface to avoid the sticking of polymer to the surface. Thin plastic sheets are used at the top and bottom of the mold plate to get good surface finish of the product. Reinforcement in the form of woven mats or chopped strand mats are cut as per the mold size and placed at the surface of mold after Perspex sheet. Then thermosetting polymer in liquid form is mixed thoroughly in suitable proportion with a prescribed hardener (curing agent) and poured onto the surface of mat already placed in the mold. The polymer is uniformly spread with the help of brush. Second layer of mat is then placed on the polymer surface and a roller is moved with a mild pressure on the mat-polymer layer to remove any air trapped as well as the excess polymer present. The process is repeated for each layer of polymer and mat, till the required layers are stacked.

Spray Lay-up: In this technique, a spray gun is used to spray pressurized resin and reinforcement which is in the form of chopped fibers. Generally, glass roving is used as a reinforcement which passes through spray gun where it is chopped with a chopper gun. Matrix material and reinforcement may be sprayed simultaneously or separately one after one. Spray release gel is applied on to the mold surface to facilitate the easy removal of component from the mold. A roller is rolled over the sprayed material to remove air trapped into the lay-ups. After spraying fiber and resin to required thickness, curing of the product is done either at room temperature or at elevated temperature.

The striking feature about this plant was its facility planning and efficient manual labour. This visit gave the students an insight into a few widely used manufacturing processes, their implementation and their application on a large scale.

Industrial Visit to Friends Heat Treatment, Goregaon East

Date: 10th October, 2018.

Organised by: ISME

Faculty in charge: Dr.Atul. Dhale, Dr.S.B.Thool, Prof. Mehul Prajapati & Prof. Ravikant Hattale.

Organized For: SE Production Students.

Venue: Friends Heat Treatment, Goregaon East, Mumbai.

An enthralling industrial visit was organized for SE Production students of D.J.SANGHVI COLLEGE OF ENGINEERING on 10th October at Friends Heat Treatment plant, nearly 20 years old which is into heat treatment operations. This industrial visit aided the students by giving them a wider aspect about their subject concepts covered in their lectures.



The industrial visit held in two sessions during the day for two group consisting of 40 members each. After gathering at the location, students along with their faculty member were divided into 2 groups then guided by the plant engineers, Rajendra Singh and Rakesh Posilkar. The first group was briefed about the 1st method which was manual heat treatment process where an entire overview of the heat treatment process for case hardening was explained. It started with putting the material to heat in the salt bath furnace followed by quenching in water, after which tempering may be done in order to achieve equal hardness. Last process in this is cooling, which is done by keeping the material exposed to the environment. Later, the first group went on to get the drift of 2nd method. Here electric furnace is used which is the differentiating factor and quenching process is done in oil to give material both case and inner hardness. Students thus witnessed that with different temperatures and processes and with the use of different techniques, difference in strength of hardness can be achieved. As per the hardness requirements different materials are used.

After this prodigious experience, students gathered together where they got the opportunity to interact with Rushabh Shah, owner of this promising industry. This again was a very enriching process as he shared his experiences and motivated the students. He acquainted the entire group about the complete production process. Then the college faculty requested him to let the groups visit the manufacturing unit where they manufacture gear cables, brake cables etc. using CNC machines. He was kind enough to let the groups have a glimpse at these products and their manufacturing process. These parts after their manufacturing processes are then supplied to control cable manufacturers, which further supplied to automobile industries.

Students and the faculty filled with gratitude, thanked the owner for his time. It was an overwhelming experience for all and it left students with a deep and immense understanding creating an interest to explore more in this field.



Dr.S.B.Thool & Prof.Ravikant Hattale with S.E. Production Students after completing Industrial Visit at Friends Heat Treatment, Goregaon East.

Industrial Visit to Mutual Industries, Pune

Date: - 11th September, 2018.

Place: - Mutual Industries, Pune

Pune Conducted by: - ISME

Faculty in charge: - Prof. Mehul Prajapati & Prof. Amit Chaudhari.

Students of third year Production Engineering were provided with an opportunity to visit the fully automated plant of Mutual Industries, Pune on 11th September, 2018.

First the students were taken through the injection moulding units where the car bumpers were injection moulded. The machines were very huge and had varying tonnage from Mitsubishi make, having 2000 tonnage which was used for manufacturing of spoilers. It had a fascinating 5 feeding hot runner system. The others were Krauss Maffei make, particularly 2700 and 3200 tonnage. The materials used were mainly polypropylene with 10% EPDM filler. The machines were well maintained with less than 1% rejection and the moulds lasted for around 800-1000 cycles. The machines featured Centralised feeding system for all the machines and the system was pneumatically controlled.

Next the students were taken to the CMM lab and from there to the automatic paint line. The paint shop had 115 x 3 skids, on which the parts to be painted were placed. The mechanism was skid and conveyor throughout. The cycle time for the completion of full process was 4 hrs. The whole system was automated and was from Germany-B plus M make. First step after loading of bumper parts was feeding of master program and master code which is read by the transducer. The master program enables the painting setup to paint multiple colours at a same time. It was a step wise process from power wash using chemical (plasti-wash) followed by de ionization. Next was the flaming booth for drying followed by primer booth. The next two booths were base coating and clear coating and then the parts were send to oven for baking at around 80° C. after drying the parts are fit with head lights and other assemblies.

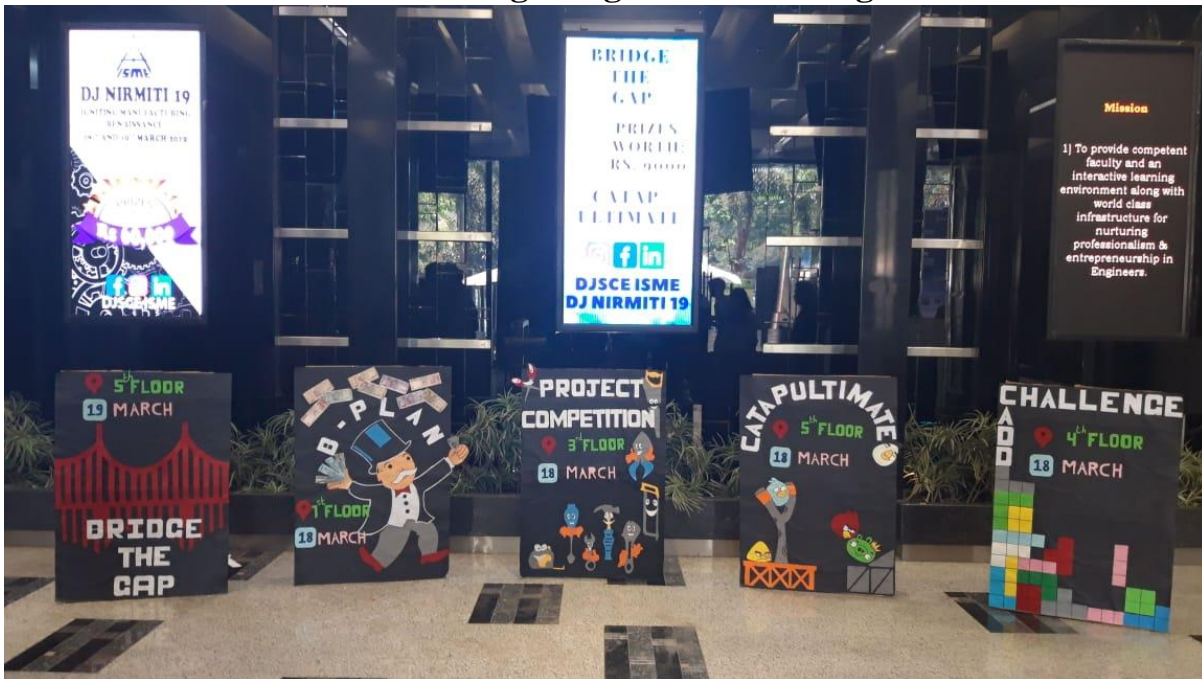
The visit was very helpful in understanding the moulding the automation process and students were glad to have this opportunity.



Some Snapshots from Assembly & paint Shop from Mutual Industries

Technical Festival

DJ NIRMITI- Igniting Manufacturing Renaissance



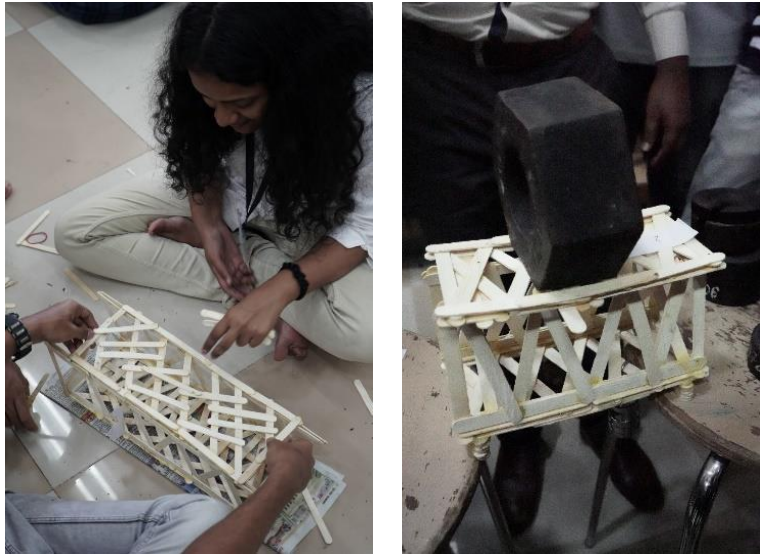
Dwarkadas J. Sanghvi College of engineering, one of the best colleges in Maharashtra was back with its technical fest DJ – NIRMITI. It's was organized by the ISME (Indian society of manufacturing engineers) student chapter of the college, consisting of young, talented individuals striving to keep the era of manufacturing alive and running with the same spirit, enthusiasm mixed with creativity. The principal of the college and also the president of ISME Dr. Hari Vasudevan is a constant support for these budding engineers, helping and encouraging them to perform activities as interesting as these. DJ-NIRMITI was held on 18-19 of March 2019. It was the perfect platform for all the technical as well as non-technical lovers in the field. A huge amount of participation wrote great stories of their success. Major 5 events grabbed everyone's eyes.



Photos from Valedictory Function of D.J.Nirmiti

BRIDGE THE GAP

This event as always had its own stories. Fun mixed with application is what was expected and the same what they received. A total of 42 teams were out there having filled with excitement having their eyes set on building the perfect bridge. After a heart throbbing effort the winner took it all having sustaining a weight of 12 kgs.



Snapshot from Bridge the Gap

BUSINESS PLAN PRESENTATION

Marketing is an inborn talent is what the participants proved out there. 10 out of the 30 teams were selected for the final round. Amazing advertising skills of the participants helped them cross their first level and then enter into the major part that was the B-Plan presentation. Every participant crossed the level of organizer's as well as judges expectations.



PROJECT COMPETITION

Another huge event was the project competition. A total of 63 teams of final year students enrolled for the contest, out of which 10 qualified for the finals. The final round was judged by Mr. M. J. Paleja, former CEO of L&T, China, and Dr. Atul Dhale from the production engineering department. Projects covered a variety of domains like design and fabrication, production and operation management, automobile, thermal and non-convictional etc, there were over 92 project with around 15 out house projects.





CADD CHALLENGE

Designing is an art and how we engineers master it is what they saw in the past two days as CADD experts from their respective colleges faced each other off and cleared levels of the competition with ease. There were around 30 participants.

MCQ was their first step towards winning it, and then the actual CADD Challenge organized by officials from CADD centre helped them to pick the best of the lot. Levels of difficulties increased with the passage of time, but the best had it all sort as their calm and confidence helped them secure their places on the podium. It was a tough one but at the same time exciting too.



CATAPULTIMATE

It was a new event where students were asked to make catapults using ice cream sticks and rubber bands and were asked to launch the marble at our score board. The event was totally fun event and saw varying levels of excitement throughout.



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.

Teams

➤ DJS KRONOS INDIA

DJS KRONOS INDIA is the official off-road racing team of Dwarkadas J. Sanghvi College of Engineering. A team of second and third year students design, validate and fabricate an All-Terrain Vehicle. They had taken part in several national level competitions such as BAJA SAE INDIA and ENDURO STUDENT INDIA.

BAJA SAE 2019

VENUE: NATRAX, Pithampur

DATE: 19th to 29th January, 2019

The BAJA SAE Series is an event for the undergraduate engineering students, organized globally by the Society of Automotive Engineers, USA. The event has spanned across six countries- USA, Mexico, South Africa, Korea, Brazil and India. The BAJA SAE India, powered by Mahindra & Mahindra tasks the students to design, fabricate and validate a single seater four wheeled off road vehicle to take part in series of events spread over a course of 9 days that test the vehicle for the sound engineering practices that have gone into it, the agility of the vehicle in terms of gradability, speed, acceleration and maneuverability characteristics and finally its ability to endure that back breaking durability test.

A total of **400 teams** participated in the event.

Achievements:-

1. Winners of Maneuverability Event.
2. Winners of Innovation Event.
3. 1st overall in Mumbai.
4. 10th in Sales Event.
5. 12th in Design Event.

ENDURO STUDENT INDIA, 2019

VENUE: PCET Nutan College of Engineering

DATE: 12th to 19th February, 2019

Enduro Student India is an event for the undergraduate engineering students, organized by Enduro Karting. Enduro Student India, powered by Magna tasks the students to design, fabricate and validate a single seater four wheeled off road vehicle to take part in series of events spread over a course of 8 days that test the vehicle for the sound engineering practices that have gone into it, the agility of the vehicle in terms of gradability, speed, acceleration and maneuverability characteristics and finally its ability to endure that back breaking durability test.

A total of **180 teams** participated in the event.

Achievements:-

1. **3rd Place Overall.**
2. 1st overall in Dynamic Events.
3. Winners of Maneuverability Event.
4. First in Mumbai.
5. Runners-up in Sales Presentation.
6. 3rd Place in SprintX Event.
7. 3rd Overall in Static Events.
8. 5th Place in DirtX Event.



DJS Kronos receiving in Enduro Student India, 2019



DJS Kronos ATV in action during BAJA SAE 2019 at NATRAX, Pithampur

Arya Sejpal & Abhishek Gupta from T.E Production and Devanshi Vaghela , Jugal Jain, Miten Geria , Priyam Shah & Tanay Pandhi from S.E. Production were part of this team.

➤ **DJS SKYLARK**

DJS Skylark, the official RC Aircraft team of DJSCE aimed to raise the bar in 2019 in the SAE Aero Design East in both the classes, Regular and Micro. The team did so successfully by achieving the *2nd position worldwide* for the Design event. The competition was held on the 8th, 9th and 10th of March 2019 in Texas, USA.

Summary of result in Texas, USA are as follows:

Regular Class

Design: 8th worldwide

Technical Presentation: 7th worldwide

Mission Performance: 4th

Worldwide Overall: 4th

Worldwide

Micro Class

Design: 2nd Worldwide

Technical Presentation: 6th

Worldwide Overall: 8th Worldwide

In spite of very harsh weather conditions, DJS Skylark did not give up. They proved their mettle with competitive performance at both the competitions simultaneously, and achieved top ranks amidst 85 participating teams from 5 continents. The team has successfully done their part in representing our alma mater, as well as our nation at the United States.



Skylark Aircraft along with its Medal & Certificate.



Skylark Team with aircraft at Texas.

Ronak Bhuleskar (T.E. Production) , Rishi Dasgupta , Chaitrali Chaudhari , Muskaan Mehta , Siddharth Singh & Aayush Shah from S.E Production were part of this team .

➤ **DJS RACING**

Formula Bharat 2019, at Kari motor speedway, Coimbatore

DJS Racing, the Formula Student team of Dwarkadas J. Sanghvi College of Engineering, participated in Formula Bharat 2019, which was held at Kari motor speedway, Coimbatore from 23rd to 27th January, 2019. The team competed against other teams from top institutions like IITs, NITS, BITS etc. in addition to others. While all other institutions had participated with a single formula race car, our institution was represented by two race cars (One combustion and one electric). For the very first time in its history, the competition witnessed a single college/team bring two race cars, which we consider as a huge achievement for our team and our institution. With twice the number of cars, the team had twice the amount of work load but all the members worked relentlessly throughout the competition. After fighting hard in the competition, they achieved the following rankings:

DJS Racing Combustion results.

2nd in design

3rd in cost

12th in B-plan Overall

2nd in statics 3rd in endurance

2nd in efficiency

Overall: 4th

DJS Racing electric results:

2nd in cost

4th in design

8th in B-plan

Overall: 4th

The team is motivated from this success and are all set in the preparations for the qualifying quizzes of the European competitions



DJS Racing Team along with both Combustion & Electric Cars.

➤ **DJS KARTING**

DJS KARTING INDIA is the official go-kart manufacturing team of Dwarkadas J. Sanghvi College of engineering. In the academic year 2018-19 we participated in two competitions:

- 1) Indian Karting Championship (IKC)
- 2) Go-Kart Design Challenge (GKDC)

Summary of the competitions:

Indian Karting Championship:

Venue: Mohite Racing Academy, Kolhapur Date: 12th to 17th February, 2019

Indian Karting Championship is one of the biggest go-kart competitions in India, where over 120 teams compete.

IKC is an intercollegiate engineering design competition for undergraduate and graduate engineering students. The object of the competition is to implement good engineering practices, design projects and their related research work. Each participating student learns, innovates and gains the experience of teamwork, leadership and technical skills.

The competition was scheduled as follows:

- 1) Day-0 - Virtual Round
- 2) Day 1- Technical Inspection, Brake Test, Acceleration Test
- 3) Day 2- Skid pad, Autocross
- 4) Day 3- Time trial, Endurance test
- 5) Day 4- Prequalifying test, final race & prize distribution.

ACHIEVEMENTS:

1. 1st in Computer Aided Engineering (CAE)
2. 2nd in Design Event
3. Overall 13th

Team picture with vehicle:



Trophies:



Go-Kart Design Challenge:

Venue: Buddh international circuit, Noida Date: 22th

to 27th February, 2019

Go Kart Design Challenge takes place every year in February, since 2012. The competition invited competitors from all over India. The competition was held for 125cc and 150cc combustion vehicle and electric go karts. Our team, DJS Karting participated for 150cc combustion vehicle.

The static events were held at Galgotias University, Noida. The karts were technically inspected by the judges of the competition, along with presenting the design report. The next step was to present the business plan, innovation and cost reports of the kart. Our team DJS Karting, cleared the Technical inspection on our first attempt.

The dynamic events were conducted at the Buddh International Circuit. It consists of the following events:

- 1) Brake test
- 2) Acceleration test
- 3) Autocross
- 4) Skidpad
- 5) Endurance test

The endurance test was held on the last day at the official Buddh International Circuit race track.

ACHIEVEMENTS:

- 1) 1st in Acceleration (0 to 100m in 4.48sec)
- 2) 2nd in Design event
- 3) 3rd in Cost event
- 4) 4th in Autocross
- 5) Overall 12th

Vehicle's picture on track:



Shramik Harsora , Aman Chheda , Nishant Vartak , Saham Agarwal , Manish Mestry & Sowmin Trivedi from T.E. Prod and Mihir Jain , Rishi Udupurkar , Aditya Mehta , Shail Kothari & Parth Pawar were part of this team.

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.

D.J.Sanghvi ISHRAE chapter students had participated in event called “Jumboree 6” organised by Saraswati college of Engineering in association with ISHRAE Mumbai chapter on 19th January 19. Our Students competed in presentations, mock interviews and tech click.

A) Guest Lectures

HVAC PRODUCTS AND TECHNOLOGY

Date: 8/02/19

Venue: Seminar Hall, DJ SANGHVI COLLEGE OF ENGINEERING

Organized For: - SE & TE Production Students.

The ISHRAE Committee of Dwarkadas J. Sanghvi College of Engineering had conducted a Practical based Seminar on **HVAC PRODUCTS AND TECHNOLOGY** for which **Mr. Shaligram** was invited to be the Speaker. The Seminar was organised on the **8th of February, 2019**. Mr Shaligram introduced the crowd to the basic concepts of HVAC system and the basic components of the HVAC system. After the introduction the merits and demerits of the HVAC system were discussed by the lecturer with the crowd, making it an interactive learning process. Some of the facts were known to the students, however some were never known, which made the interactive session an interesting affair.

The various applications of HVAC systems were discussed and how they are designed for various applications was also discussed. Later as now the students were brushed up about the basics of HVAC systems, the various products included in the HVAC system such as the heat pumps, condensers, air conditioners etc were discussed along with their limitations. Also there Was a discussion on the new technologies available in the market for increasing the efficiencies of the HVAC systems like AC, Heat pumps etc. The students actively participated in throwing light upon the new technologies available in market and also prof. Shaligram was full of knowledge and made sure he gave his best to the students.



Mr. Shaligram delivering lecture on HVAC Products & Technology.

TALK ON RENEWABLE ENERGY – SOLAR

Date: 8/03/19

Venue: Class Room No.42, DJ SANGHVI COLLEGE OF ENGINEERING

Organized For: - SE & TE Production Students.

The ISHRAE Committee of Dwarkadas J. Sanghvi College of Engineering had conducted a Practical based Seminar on **Renewable Energy and Solar Panels** for which **Mr. Srinivas Dhige** was invited to be the Speaker.

The Seminar was organised on the **8th of March, 2019 at 12pm.**

Mr. Srinivas started the seminar with an Introduction to the various Renewable energy resources and their advantages over Conventional energy resources.

He explained the various methods of harvesting the Renewable energy resources to the benefit of mankind and asked the students also for their inputs making it an interactive session. He spoke about the Solar Energy and its various advantages to the mankind like easily availability, huge quantity of energy and many more. He explained the ideology involved behind designing and setting up of a Solar Power Plant and even illustrated an example of setting up of a power plant in our own College.

He gave a live demonstration of the working of a mini Solar panel which made an LED glow on exposure to Sunlight.

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) Seminar & Workshop

Seminar on AUGMENTED REALITY

Date: 15/03/19

Venue: Class Room No.42, DJ SANGHVI COLLEGE OF ENGINEERING

Organized For: - SE Production Students.

Augmented reality is a new technology that helps the real world and virtual world to co-exist together. It combines concepts of Mechanical and Electronics Engineering along with Computer Science to bring an interactive experience of a real-world environment where the objects that reside in the real-world are enhanced by computer-generated perceptual information.

The Workshop on Augmented Reality was conducted on the 15th of March '19 in the CAMD Lab of Mechanical Engineering Department. The course was conducted by Dr. Bhuktar who was the HoD of Mechanical Engineering Department of SPCE and is experienced in the field.

The students were first introduced to the basic concepts of Augmented Reality and how it differed from other concepts such as Virtual Reality, Machine Learning, etc. In the second half of the workshop, the students gained hands-on experience on AR software. Students were taught to make a basic AR application. In the end, the students were taught about the various applications of Augmented Reality and its scope. The workshop was attended by a batch of 25 students from second and third year of various branches.

Seminar on DATA SCIENCE AND MACHINE LEARNING

Date: 01/02/19

Venue: Seminar Hall, DJ SANGHVI COLLEGE OF ENGINEERING

Organized For: - SE & TE Production Students

Data science is an interdisciplinary field that uses scientific methods, processes, algorithms and systems to extract knowledge and insights from data in various forms, both structured and unstructured. Data science is a concept to unify statistics, data analysis and machine learning in order to understand and analyze actual phenomena with data. It is a multidisciplinary blend of **data inference**, algorithm **development**, and **technology** in order to solve analytically complex problems.

Machine learning (ML) is the scientific study of algorithms and statistical models that computer systems use to effectively perform a specific task without using explicit instructions, relying on patterns and inference instead. It is seen as a subset of artificial intelligence. It provides systems the ability to automatically learn and improve from experience without being explicitly programmed. **The primary aim in machine learning is to allow the computers learn automatically** without human intervention or assistance and adjust actions accordingly.

The seminar on data science and machine learning was conducted on 1st February 2019. The speaker for the seminar was Mr. Bhavik Gandhi. The speaker is an industry expert and has been working in the field of data science and machine learning for the past decade. The seminar was attended by a batch of 120 students.

The seminar commenced with an introduction to the concepts of data science and machine learning. The students were acquainted with the concept of artificial intelligence and its relationship with machine learning. The speaker then explained how these different domains fit together and how they differ from one another. The rest of the session had a brief presentation on the applications of data science and machine learning with a real life example.



Glimpse of the Workshop

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 Omcar 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 28th December -5th January

NSS had organized a 7-Day camp near at Narpad, Dahanu & were staying in asharm. 3 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.

Newspaper Collection Drive: - All volunteers of NSS collected newspaper in Goregaon and Kandivali residential complexes. The money was later donated to provided for a Medical Camp in Dahanu.

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 it was conducted on 4th February 2019.

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.

Tree Plantation Drive: - NSS unit of D.J. Sanghvi College of Engineering organised a tree plantation drive on the 15th of July at Aarey colony. The drive continued for about three hours until over 120 saplings were planted.

Orphanage Visit: - On 29th July 2018, the NSS unit of DJ Sanghvi College got to truly live up to the motto of NSS- “Not me but you”. This day, the volunteers got an opportunity to bring a smile on those faces that truly deserve it, by visiting orphanage. The visit started at 10 am and a group of almost 100 volunteers visited orphanages at Borivali and Jogeshwari.

Annual Charity drive 2018(“Don’t Donate, Empower Instead.”):- DJ NSS arranged an Annual Charity Drive from 10th to 25th August 2018. A desk was setup up in the mentioned dates from 9am to 5.30pm daily. These items were carefully hand-made by some differently-abled and underprivileged children and adults from different organisations. All the profits made by the drive were directly given for the betterment of their living and welfare.

Beach Clean-up Drive :- NSS unit of DJ Sanghvi College set to the task of cleaning Juhu Beach on 20th September 2018, post 7th Day of the much celebrated Ganesh festival. The results were visible when volunteers from another college appreciated our efforts publically on a social media platform. This showed the enthusiasm and diligence of the volunteers who worked to make a difference.

Vaidehi Kannawar & Kshamita Desai from T.E. Production were part of this team.

3. ACHIEVEMENTS

3.1 Faculty Publications / Workshop (STTP)

Journal Publications Publications and activities for A.Y 2018-19 Journal Publications

Sl. No.	Name of the teacher	Title of the paper	Title of the proceedings of the conference	Year of publication	ISBN/ISSN number of the proceeding
1	Dr. Hari Vasudevan	A Combined approach for supplier selection using AHP and Fuzzy AHP in Indian Gear Manufacturing MSMEs	“Materials Science and Engineering	2018	DIO: 10.1088/1757-899X/376/1/012122
2	Dr. Hari Vasudevan	“Multi Characteristics Optimization in the Turning of GFRP Composites based on Grey-Taguchi method”	Lecture Notes in Mechanical Engineering	2018	ISSN: 2195-4356, ISSN: 2195-4364
3	Dr. Hari Vasudevan	Experimental Investigation and Optimization of End Milling Parameters in the Machining of Inconel 825 using Carbide Coated Tool	Lecture Notes in Mechanical Engineering	2018	ISSN: 2195-4356, ISSN: 2195-4364
4	Dr. Hari Vasudevan	Multi Characteristics Optimization in the Turning of GFRP Composites based on Grey-Taguchi method	Lecture Notes in Mechanical Engineering	2018	ISSN: 2195-4356, ISSN: 2195-4364
5	Mr. Rajendra Khavkar	Analyzing the need for a comparative study of Shainin DoE and Traditional DoE tools for deploying Six Sigma in Indian manufacturing companies	Materials Science and Engineering	2018	DIO: 10.1088/1757-899X/376/1/012121
6	Mr. Rajendra Khavkar	“Optimization of Injection Molding Process Parameters using Response Surface Methodology	Lecture Notes in Mechanical Engineering	2018	ISSN: 2195-4356, ISSN: 2195-4364

Conference Publications International

Sl. No.	Name of the teacher	Title of the paper	Title of the proceedings of the conference	Year of publication	ISBN/ISSN number of the proceeding
1	Dr. Hari Vasudevan	Optimization of Injection Moulding Process Parameters manufacturing Plastic components PBT using Taguchi method	Proceedings of ICRAMMT 2018	2018	
2	Dr. Hari Vasudevan	Optimization of Process Parameters in the Turning Operation of Inconel 625	2 nd International Conference on Recent Advances in Materials and Manufacturing Technologies, (ICRAMMT 2018	2018	
3	Dr. Hari Vasudevan	Multi Criteria Decision Making Techniques for Supplier Selection in the Context of Gear Manufacturing in India	proceedings of the Diamond Jubilee National Convention of IIIE & International Conference	2018	
4	Mr. R. S. Khavekar	Optimization of injection moulding process parameters using response surface methodology	Conference Proceedings of ICIMA 2018	2018	10.1007/978-981-13-2490-1_40
5	Mr. R. S. Khavekar	Optimization of injection moulding process parameters using taguchi methodology	Conference Proceedings of ICIEND2018	2018	
6	Mr. R. S. Khavekar	Optimization of Injection Moulding Process Parameters manufacturing Plastic components PBT using Taguchi method	Proceedings of ICRAMMT 2018	2018	
7	Meeta Gandhi	Gree Supply Chain Management Practices And Its Impact On Buiness Performance	Conference Proceedings of ICIMA 2018	2018	Doi.org/10.1007/978-981-13-2490-1_56
8	Sandip Mane	optimization Of Cutting Parameters In Dry Turning Of AISI 4140 Hardened Alloy Steel With Coated Carbide Tool	Conference Proceedings of ICIMA 2018	2018	Doi.org/10.1007/978-981-13-2490-1_41
9	Dr.A Dhale	Static structural analysis of car rim by finite element method	Conference Proceedings of ICIMA 2018	2018	Doi.org/10.1007/978-981-13-2490-1_17
10	Dr.A Dhale	Experimental Analysis The Vibration Reduction Of Steering Wheel Assembly Of Agricultural Tractor	Conference Proceedings of CTFC 2019	2019	ISBN 978-93-82626-27-5

3.2 Students Extra-Curricular Activities (18-19)

SE Production			
Sr. No.	SAP ID	Name	Achievements
1	60012170056	Tanmay Sabnis	1) Digital manufacturing using AutoDesk Fusion 360 (2 intermediate level course) 2) Industrial automation Internship at Mahindra 3) Digital marketing internship at BITS Pilani (WFH)
2	60012170031	Mihir Jain	1) 13 th in IKC 2) 15 th in GKDC
3	60012170011	Chaitrali Chaudhari	1) Second prize in DJS Spark 2019 2) Second prize in SAE Aero design East Micro Design Report
4	60012170044	Rishi Dasgupta	SAE Aero design East 2019, Texas: 1) 2nd Prize worldwide in Design Report 2) 4th Prize Overall worldwide 3) 6th Prize in Technical Presentation
5	60012170062	Viraj Shah	13th Indian Karting Championship 15th Go kart Design Championship 1st short film ICT MANZAR18 BRONZE FLIM OF THE YEAR - INDIAN FILM PROJECT 2018 CORE - TRINITY 2018
6	60012170018	Harsh Bhansali	DJS Helios
7	60012170029	Latesh Shah	Winner of Bridge the Gap event at DJ Nirmiti 2018
8	60012170022	Jay Mehta	1 - DJ Sanghvi basketball team -2nd place 2- B-Plan winner ISME

T. E. PRODUCTION

Sr. No.	Sap id	Name	Achievement
1.	60012160014	Abhishek Gupta	BAJA SAE India 2019: -1 st in Maneuverability. -1 st in Technology & Innovation. -10 th in Sales - 11 th in Design
2.	60012160050	Arya Sejpal	At Enduro Student India 2019: -1 st in Maneuverability. -1 st in Technology & Innovation -10 th in Sales -11 th in Design
3.	60012158004	Nilay Zaveri	DJS Racing 04 Combustion -4 th Overall -3 rd in Endurance Event -2 nd in Design Event -3 rd in Cost Event DJS Racing E01 Electric -4 th Overall -2 nd in Cost Event -4 th in Design Event
4.	60012160041	Vishal Parikh	Made a Bluetooth controlled pick and place robotic arm (with Certification)
	60012160048	Krishna Rachh	
5.	60012160001	Agarwal Soham	DJS Karting at Indian Karting Championship 2019 -1 st CAE -2 nd in Design Presentation At Go-Kart Design Challenge 2019 -1 st in Acceleration -2 nd in Design -3 rd in Cost Report -4 th in Auto-Cross
	60012160005	Aman Chheda	
	60012160015	Shramik Harsora	
	60012160028	Manish Mestry	
	60012160060	Nishant Vartak	
	60012160058	Sowmin Trivedi	
6.	60012160021	Vaidehi Kannawar	Participated in Formula Student East - 7 th in Business Plan Presentation
	60012160044	Dhruv Patel	
7.	60012160003	Ronak Bhuleskar	DJS Skylark SAE Aero Design East 2019 Regular Class Design:8 th Worldwide Technical Presentation:7 th World Wide Overall:4 th World Wide Micro Class Design-2 nd World Wide Technical Presentation:6 th World Wide Overall:8 th World Wide

TE Production			
Sr. No.	SAP ID	Name	Achievements
1.	60012160057	Mohit Thapar	Part of Basket Ball Team which came 2 nd in Fr.Agnels Tournament.
2.	60012160049	Riddhi Sankhe	TABLE TENNIS INDIVIDUALS Gold Medal at district in Youth Event. Gold Medal at district in women's event. Silver Medal at State Championship in Youth Event.
3.	60012160004	Kanishk Brahmbhatt	Vice-Chairperson , D.J. Trinity
4.	60012160051	Deep shah	Joint. Secretary , D.J. Trinity
5.	60012160052	Nihar shah	Sports Secretary , D.J. Trinity

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.

Oct 2018 Result

Name	NOC Course Name	Score From Assignment	Exam Score	Final Score
NISHI NEGANDHI	Data Base Management Systems	5.67	51	57
AVADHUT ANANT SAMANT	Introduction to Operations Research	22.54	53.25	76
NISHI NEGANDHI	Introduction to Operations Research	7.17	34.88	42
AVADHUT ANANT SAMANT	Management of Inventory Systems	21.38	59.25	81

NPTEL RESULT ANALYSIS

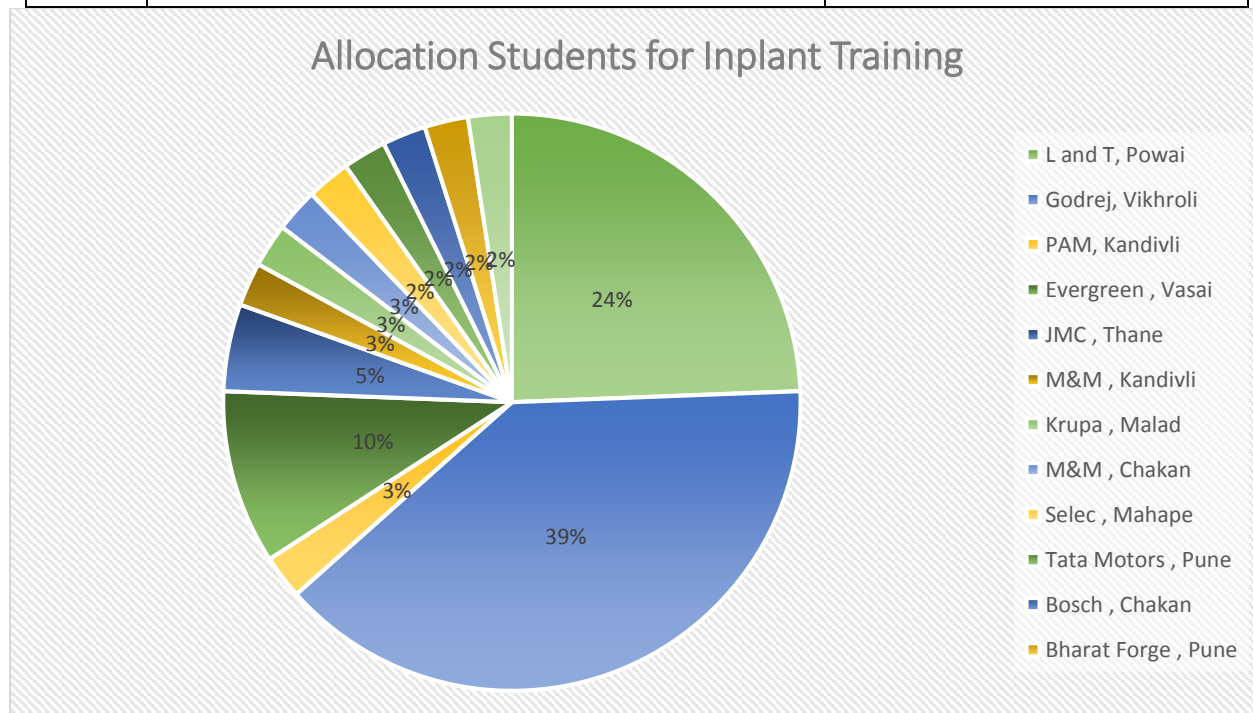
GRADING SYSTEM	Sep-17	Oct-17	Mar-17	Total
Score < 40%: NO certificate	-	2	-	2
Score between 40% -59%: Certificate "Successfully completing the course":	-	1	-	1
Score between 60% -89%: Certificate "Elite" :	1	2	2	5
Score of 90% and above: Certificate "Elite" and the gold medal printed:	-	-	1	1
Toppers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

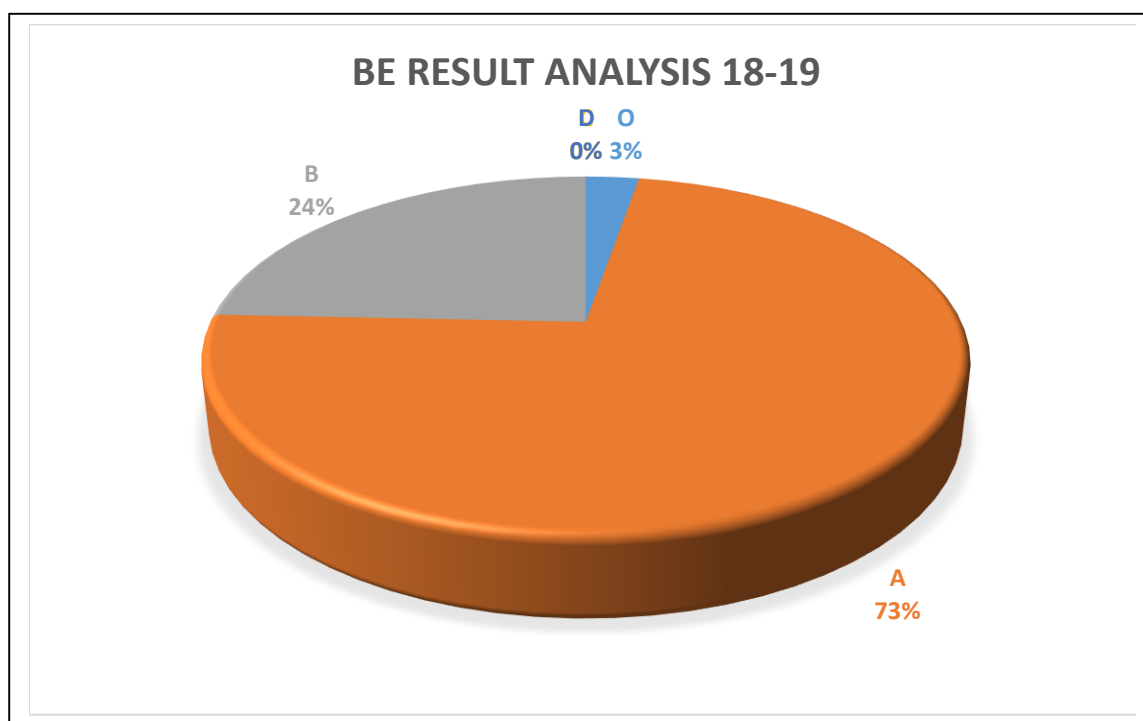
Following is the list of companies in which students were enrolled for In-plant training for academic year 2018-19:

Sr. No.	Companies	No. of Students allocated for Project
1.	L and T, Powai	15
2.	Godrej, Vikhroli	11
3.	PAM, Kandivli	05
4.	Evergreen , Vasai	04
5.	Siemens , Kalwa	03
6.	CAM Tools , Marol Naka	03
7.	Anandji Haridas , Sewari	01

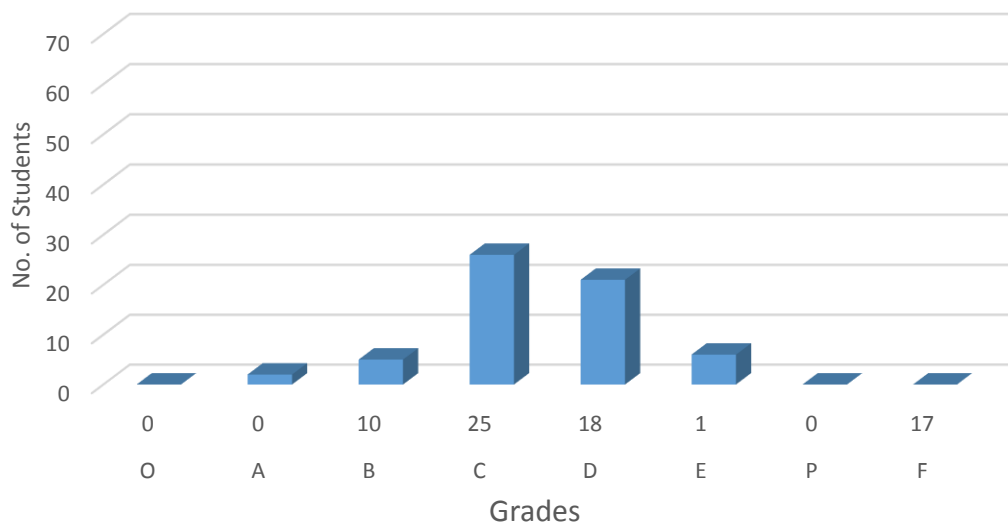


4. Result Analysis

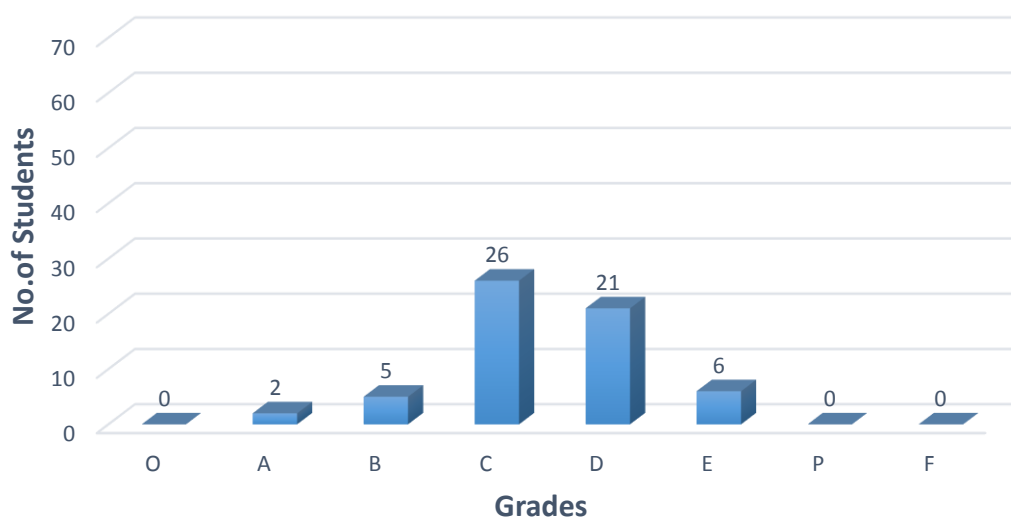
B.E. Production Engineering Sem -VIII May 19		
No. of Students Appeared		40
No. of Students Passed		37
No. of Students with AT/KT		03
Grades obtained :-		
1.	O (9-10) ($\geq 80\%$)	01
2.	A (8-9) ($\geq 75\%$ & $< 80\%$)	27
3.	B (7-8) ($\geq 70\%$ & $< 75\%$)	9
4.	C (6-7) ($\geq 60\%$ & $< 70\%$)	00
5.	D (5-6) ($\geq 50\%$ & $< 65\%$)	00
6.	E (4-5) ($\geq 45\%$ & $< 50\%$)	00
All Clear Passing Percentage :-		92.5%
Top Rankers:-		
OMETZ ELIJAH MOSES		9.04
MOKSHAD GAONKAR		9.00



TE-Sem-V-Dec-2018 Results



SE-Sem-III-Dec-2018 Results



5. Placement & Higher Studies

- Following is the placement data for the year18-19:

Branch: Production 18-19

SAP Number	Name of Student	Company	Package
60012140006	FERNANDIS ROMMEL	Avlon Global Research	4 Lakh P.A
60012140025	SHAH, DISHANK	Logiquid	3.24 Lakh P.A
60012150002	BOHORA, ALVINYA	Avlon Global Research	4 Lakh P.A
60012150005	GAJJI, ABHISHEK	Avlon Global Research	4 Lakh P.A
60012150006	GANDHI, HINAL	Logiquid	3.24 Lakh P.A
60012150009	JOSHI, KHUSHBU	INQUIZITY	3 Lakh P.A
60012150010	KODANGE, AMOL	Godrej & Boyce (Manufacturing)	4.2 Lakh P.A
60012150012	LAKHANI, UMANG	Godrej & Boyce (Manufacturing)	4.2 Lakh P.A
60012150023	SHAH, JENISH	Godrej & Boyce (Manufacturing)	4.2 Lakh P.A
60012150031	SHETTY, AADIT	Godrej & Boyce (Manufacturing)	4.2 Lakh P.A
60012168002	JANI, KIRTAN	Godrej & Boyce (Manufacturing)	4.2 Lakh P.A
60012168008	TALVEKAR, ASHISH	INQUIZITY	3 Lakh P.A

**LIST OF STUDENTS WHO HAVE RECEIVED ADMITS FROM
US UNIVERSITIES FOR MS COURSE AS ON MAY 2019**

SAP Number	Name	University admit offered at
60012150003	DESAI, NANDIP P	University of Pittsburg (M.S Industrial Engineering)
60012150013	LALAJI, SAHIL	University of Illinois Urbana Champaign(M.S Industrial Engineering)
60012150017	PATEL, DEEP	University of Illinois Urbana Champaign(M.S Industrial Engineering)
60012150024	SHAH, KAIRAV	University of Illinois Urbana Champaign(M.S Industrial Engineering)
60012168003	KULE, CHINMAY	University of Pittsburg (M.S Industrial Engineering)

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.	Dr. Atul Dhale	Associate Professor
4.	Prof.R.S.Khavekar	Associate Professor
5.	Dr. Sanjay Thool	Assistant Professor
6.	Prof. Sandeep R. Vaity	Assistant Professor(Associate Head)
7.	Prof.(Mrs.) Meeta N. Gandhi	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.Pavan Rayar	Assistant Professor
14.	Prof. Ravikant Hattale	Assistant Professor
15.	Prof.Dharam Ranka	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.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 Visiting Faculty

Sr.No.	Name	Designation
1.	Prof. Sreejit V.Pillai	Financial Advisor, Citi Group of Companies.
2.	Dr.Ashish Deshmuk	Professor in NMIMS
3.	Prof.K.P.Chandramohan	Sales Manager,Lacoste ,India
4.	Prof.Mehul Mehta	Director , Zazen Pharma