



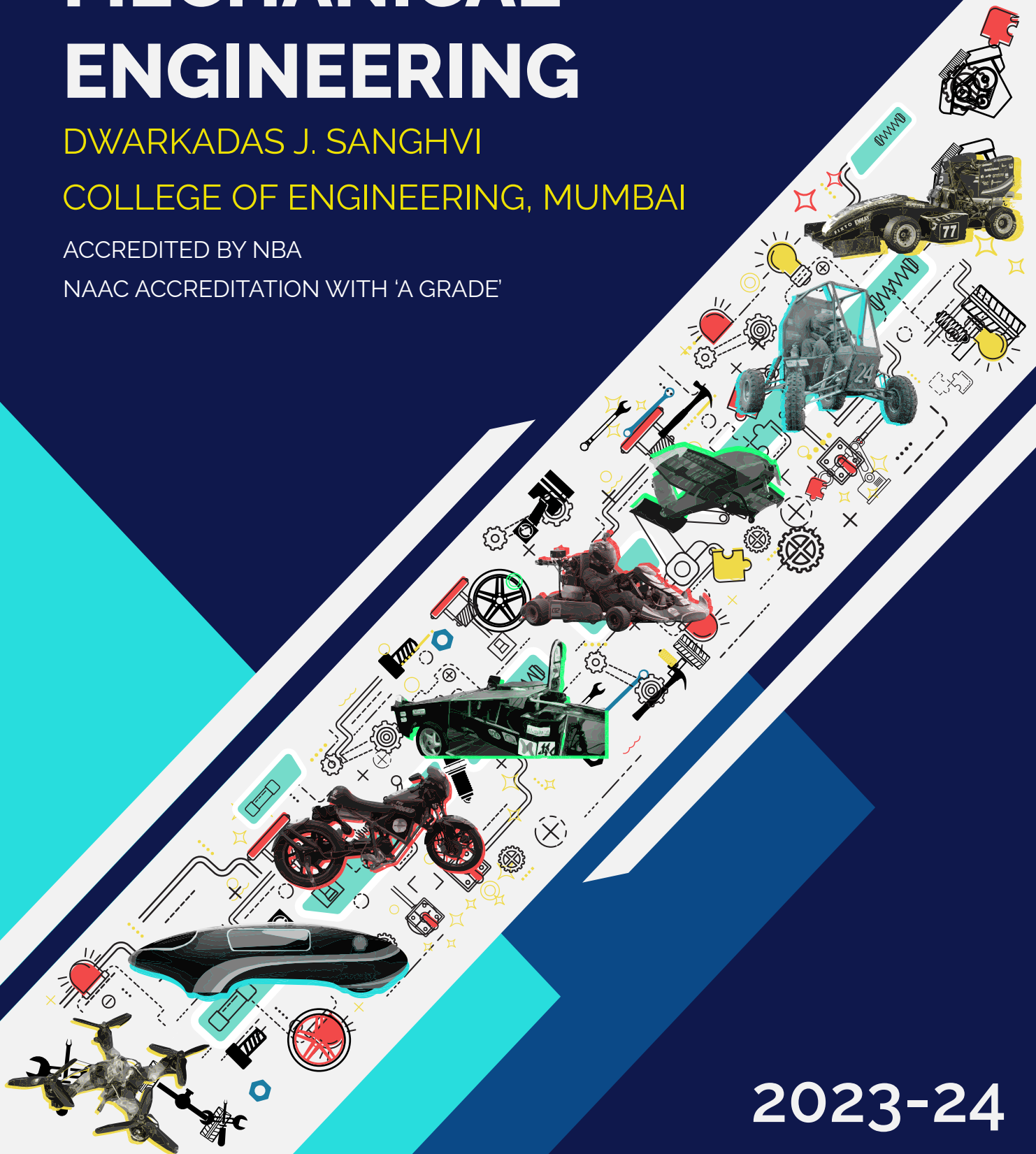
MECHANICAL ENGINEERING

DWARKADAS J. SANGHVI

COLLEGE OF ENGINEERING, MUMBAI

ACCREDITED BY NBA

NAAC ACCREDITATION WITH 'A GRADE'

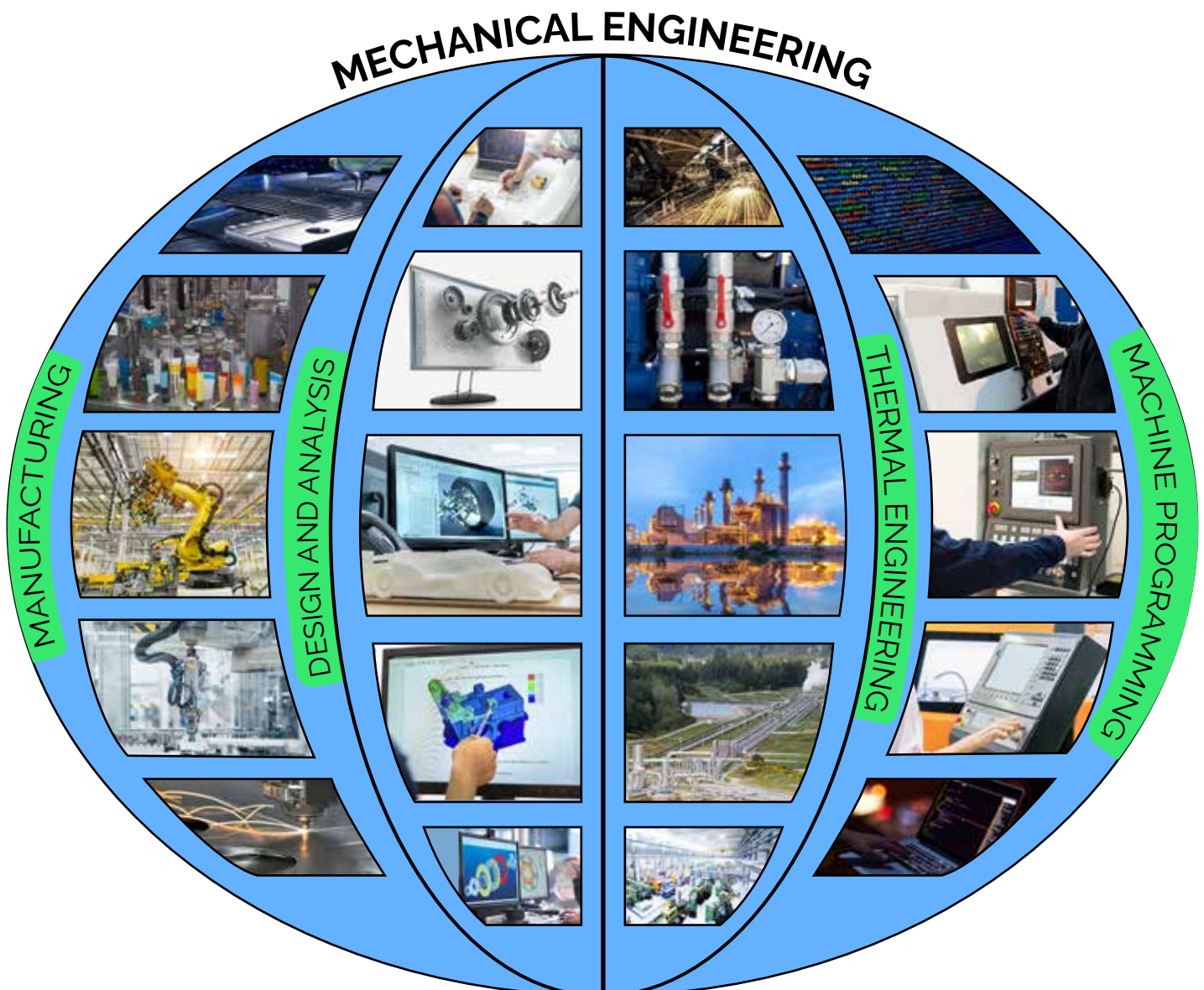


2023-24

DEPARTMENT OF MECHANICAL ENGINEERING

Why Mechanical Engineering ?

Because it is all around us.



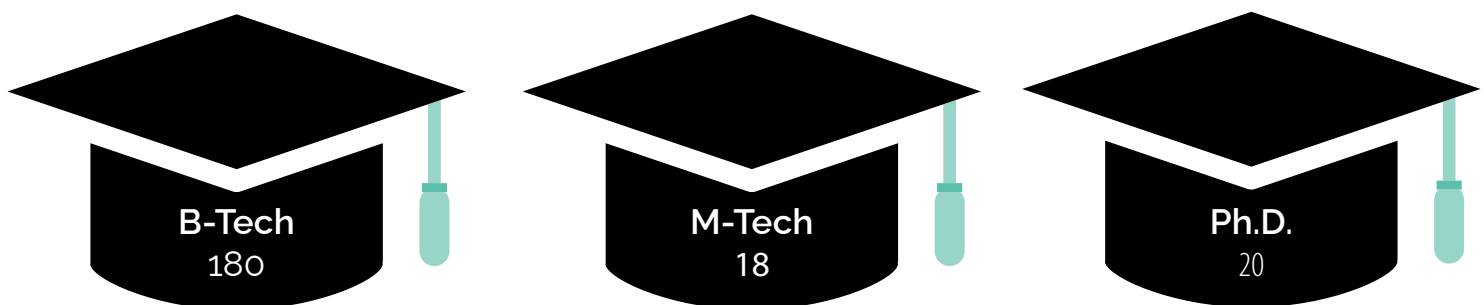
"MOTHER OF ALL ENGINEERING"

ABOUT US :

Shri Vile Parle Kelavani Mandal's (SVKM) Dwarkadas J. Sanghvi College of Engineering (DJSCE), was established in the year 1994. DJSCE is an Autonomous Institution, affiliated to University of Mumbai and was granted autonomy by the University Grants Commission (UGC) for a period of 10 years, starting from the A.Y. 2019-20 till 2028-29.

Dwarkadas J. Sanghvi College of Engineering started the Bachelor's program and Master's program in Mechanical Engineering in the year 2011. The department features state-of-the-art infrastructure including well developed laboratories, smart class rooms and a full-fledged workshop. The department, with the help of the college management ensures to develop the technical as well as professional skills of its students by conducting industrial visits, expert lectures and seminars. The Department has won various accolades at the National as well as International levels by ensuring students participation in various technical events throughout the year.

PROGRAMS AND INTAKE :



RECENT RANKINGS :



Top 10 Private Engineering Colleges of the country, & "Best Private Engineering College" in the West Zone
- India Today.



Ranked 1st in West Zone.
Ranked 11th amongst the top 125 Private Engineering Colleges in the Country.
- The Times of India



1st Rank in the West Zone & amongst the Private Engineering Colleges in Mumbai.
11th amongst the Top 231 Private Engineering Colleges & 36th amongst the Top 260 Private Engineering Colleges in India.
- The Week India



NIRF Innovation section (Previously Atal Ranking for Institute Innovation achievements: ARIIA), ranked DJSCE amongst the top 151-300 Colleges at the all India level.

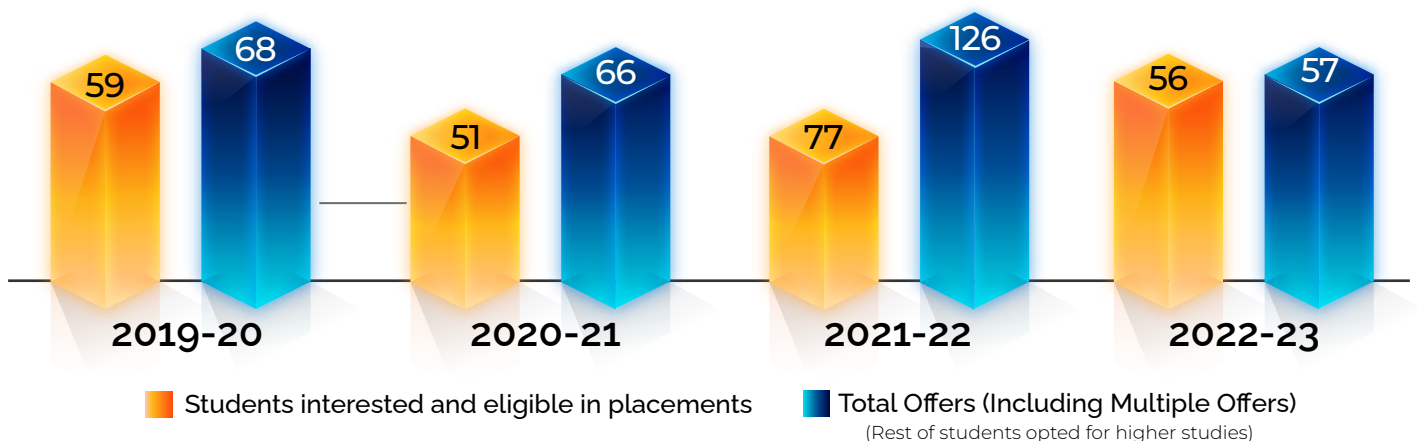
PLACEMENT DETAILS :

The Department of Mechanical Engineering of Dwarkadas J. Sanghvi College of Engineering have always had successful years of placement, ever since its inception. Students have been placed in multiple core MNCs.

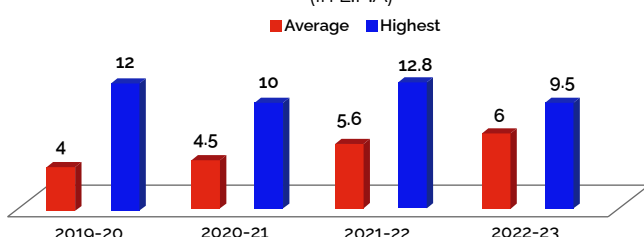
The cutting-edge labs, industrial visits, webinars, hands on experience with teams and committees make the students learn industry oriented skills, resulting in higher packages as the years progress.



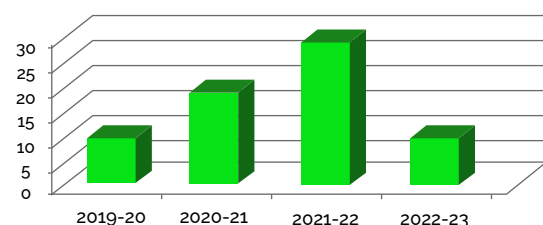
TOTAL OFFERS



TREND IN CTC OVER THE YEARS (in L.P.A)



STUDENTS PLACED WITH MULTIPLE OFFERS



"PATHWAY TO A BRIGHTER FUTURE"

INFRASTRUCTURE :



CLASSROOM



WORKSHOP



CADD LAB



T.O.M LAB



CAD/CAM/FEA



FLUID MECHANICS



STRENGTH OF MATERIALS



I.C.E LAB



MATERIAL TECHNOLOGY



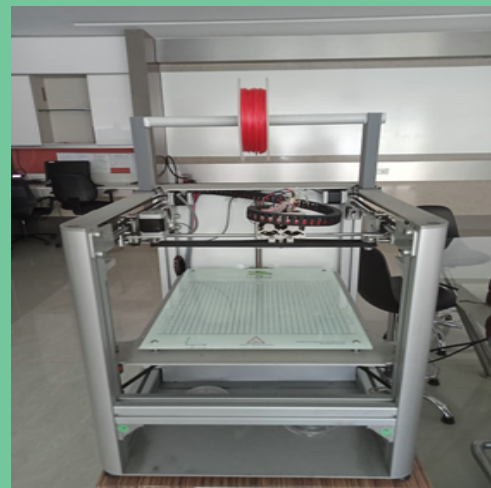
**JV 55 CNC Vertical
Machining Centre SIEMENS**



**LX20T L5 CNC Turning Centre
SIEMENS**



ADVANCED MECHATRONICS LAB



3D PRINTING LAB

CENTRE OF EXCELLENCE

STUDENT CHAPTERS :



SAE - SOCIETY OF AUTOMOTIVE ENGINEERS

The Society of Automotive Engineers (SAE), the only Automotive fraternity of Dwarkadas J. Sanghvi College of Engineering, offers the opportunity of being a part of Vehicle Engineering, Aero Design, Autonomous Submarine and further exploring many other automotives. Comprising of over 200 members of the Departments of Mechanical and Production Engineering, the committee has always managed to organize and host a plethora of unique and educative events. DJSCE SAE consists of 8 automotive teams that are mentioned below :



DJS RACING

Official Formula Student Team



DJS KRONOS INDIA

Official BAJA SAE Team



DJS SKYLARK

Official AeroDesign Team



DJS KARTING

Official Go-Kart Team



DJS HELIOS

Official Solar Vehicle Team



DJS SPEEDSTERS

Official Electric Superbike Team



DJS PHOENIX

Official Drone Team



DJS MILES

Official SuperMileage Electric Vehicle Team

PROPOSED:

DJS QUAD-CROSS

DJS ROCKET

SEMINAR/GUEST LECTURE/WORKSHOP



EV WORKSHOP



MOTORSPORT



CTC WORKSHOP



CAR MODELLING



BAJA VEHICLE



AERO MODELLING WORKSHOP



JET PROPULSION

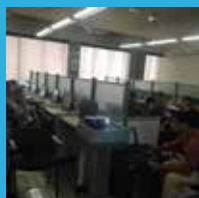


UNITED RUBBER IV



DRONE WORKSHOP

VALUE ADDED PROGRAMS



LIGHTS OUT - MOTORSPORTS PODCAST



"WE CONQUER EVERYWHERE, LOCAL TO GLOBAL"

DJS RACING

Formula Bharat 2023

Overall- 5th Rank
Cost & Manufacturing- 2nd Rank
Design- 5th Rank
B-Plan Presentation- 9th Rank

Formula Bharat 2024

Quiz- 2nd Rank



DJS KRONOS

BAJA SAE India 2022

E-BAJA
Sales Report- 2nd Rank

M-BAJA

CAE Report- 4th Rank
Cost Report- 4th Rank
Preliminary Rounds - 2nd AIR



DJS SKYLARK

SAE Aero Design West

Micro Class

Design Report - 1st Worldwide
Technical Presentation - 5th Worldwide
Overall - 5th Worldwide

Regular Class

Design Report - 1st Worldwide



DJS KARTING INDIA

9th GKDC, 2022

Overall - 9th Rank
B Plan- 3rd Overall
Cost Report- 1st Overall

IKC, 2023

Overall- 2nd Rank



DJS HELIOS

ESVC 3000, 2022

Design Report - 4th Worldwide
B Plan - 5th Worldwide
Received the "Future Award"



DJS PHOENIX

IDRL S7E6, 2023

Overall- 6th Rank

IDRL S7E8, 2023

Overall- 2nd Rank

Coex CoperHack, 2023

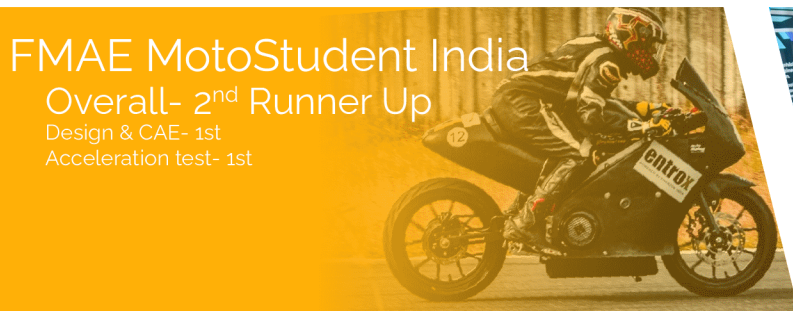
Overall- 6th Rank



DJS SPEEDSTERS

FMAE MotoStudent India

Overall- 2nd Runner Up
Design & CAE- 1st
Acceleration test- 1st



DJS MILES

Shell Eco Marathon, 2023

Design Report- 3rd Rank
Safety Award- 2nd Rank
Technical Innovation- 2nd Rank



STUDENT CHAPTERS :



ISME - INDIAN SOCIETY OF MANUFACTURING ENGINEERS

The Indian Society of Manufacturing Engineers strives to connect the students to the modern-day manufacturing practices and helps them explore new domains. This chapter organises and manages multiple industrial visits, workshops, Value added programs as well as conducts a technical fest - DJ NIRMITI to help students capture the essence of manufacturing engineering.

DJS NIRMITI - TECH FEST IGNITING MANUFACTURING RENAISSANCE



GOLDEN JUBILEE CELEBRATION



BASIS PLAN



BRIDGE
THE
GAP



CRICKET AUCTION



N
I
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I



CADD CHALLENGE



CATAPULT

SEMINAR/GUEST LECTURE/WORKSHOP



VALUE ADDED PROGRAMS



VOICE OF TECHNOLOGY - JOURNAL



"MOULDING ENGINEERS TO MANUFACTURE THE FUTURE"

STUDENT CHAPTERS :



ISHRAE - INDIAN SOCIETY OF HEATING REFRIGERATION AND AIR-CONDITIONING ENGINEERS

ISTL - ISHRAE STUDENT TECHNICAL LEAGUE

ISHRAE students technical league was a competition, where students were expected to build a HVAC system



JAMBOREE

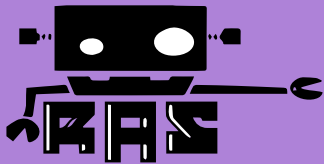
The event Organised by ISHRAE Mumbai, where we got an opportunity to test ourselves in real world scenarios and analyse the strengths and weaknesses of our chapter.

TECHNICAL SEMINARS

A Talk was conducted by the ex. President of ISHRAE Mumbai chapter, Dr Roshini Eashow for a given floor plan and DJSCE ISHRAE team won the competition.



"TRAINING STUDENTS TO TAKE CARE OF HUMAN COMFORT"



RAS - ROBOTICS AND AUTOMATION SOCIETY

Robotics & Automation Society is one of the technical committees at DJ Sanghvi College of Engineering. This committee organises various events including industrial visits, guest lectures and workshops and along with this, the committee also participates in various competitions at National level.

SEMINARS/WORKSHOPS

Many guest lectures/ Workshops were conducted on Cyber-security, ROS- Robotic Operating System, ATMEG32, Finite Element Analysis, Data Science For You, Artificial Intelligence and many more.



DJS ROBOCON

The Official Robotics Team of Dwarkadas J. Sanghvi College of Engineering has excelled in DD National Robocon 2021 Competition with an overwhelming All India Rank 9, overall.



DJS ASTRA

We are DJS Astra, the official combat robotics team of DJ Sanghvi College of Engineering. We, as a team, design, analyze, manufacture and assemble robots and participate in competitions at national level.



"PREPARING STUDENTS FOR THE ROBOTIC WORLD"

INDUSTRIAL VISITS :

Department of Mechanical Engineering of DJSCE provides students with a number of opportunities to explore, excel and improve in various growing and potential Industrial Sectors. Industrial Visits under the guidance of the faculty members have given all our students an integral insight deep into subject matter, which enhances their practical knowledge, boosting their profile and contributing to the hands on experience. Students undergo atleast 6 Industrial Visits every year.



HITACHI
Inspire the Next



and many more...



GIACOMINI



VOLKSWAGEN



HITACHI



GODREJ



THYSSSENKRUPP



LARSEN & TOUBRO



AMTEC



CONNECT WELL



MERCEDES- BENZ



CENTRAL RAILWAY



EMKAY (FT)



RELIANCE



KALYANI-MAXION



TENNEX



B.E.S.T WORKSHOP

SPORTS & CULTURAL ACTIVITIES :



OVERALL RUNNER UP
SWIMMING
COMPETITION



TABLE TENNIS TEAM



MEDALS FROM 4TH TABLE
TENNIS TOURNAMMENT



RUNNER UP- ST. FRANCIS
BASKETBALL TOURNAMENT



PODIUM FINISHES' IN 4TH TABLE TENNIS
TOURNAMMENT



DJSCE ANNUAL DAY



WOMEN POWER



"ALL WORK AND NO PLAY MAKES LIFE BORING"

HIGHER STUDIES :

A very good number of students opt for higher education after their graduation and DJSCE provides numerous opportunities to build up their portfolio, which shall assure admissions in top universities across the globe. This is further evident from the list of alumni mentioned below:



Janav Udani

Completed Ph. D from
Purdue University



Akshay Nikam

Completed M.Tech from
IIT Bombay



Yash Rana

Completed MBA from
IIM Ahmedabad



Dr. Rushabh Sadiwala

Completed Ph.D. from
Clemson University

- Mihir Kansara - Completed Masters from Columbia University
- Chinmay Shirodkar – Pursuing MTech from IIST - ISRO
- Shonak Bhattacharya – Completed Masters from Cornell University

- Advait Naik – Pursuing Masters from Kingston School of Arts, UK
- Arzan Mehta – Pursuing Masters from Northeastern University, Boston
- Daanish Rode – Completed Masters from Columbia Business School

INTERNSHIPS :

Internships are educational and career development opportunities, providing practical experience in a field or discipline. They are structured, short-term, supervised placements often focused around particular tasks or projects with defined time scales. An internship may be compensated, non-compensated or some time may be paid. The internship has to be meaningful and mutually beneficial to the intern and the company. A list of few alumni who underwent their internships is mentioned below:

- Swapneel Chaugule - CEAT Limited
- Rhitik Yadav - AUTODESK, Training Center
- Shubh Poojara - IIT Madras
- Yash Patel - Adani Institute of Infrastructure Engineering
- Nishant Jani - Godrej & Boyce Mfg. Co. Ltd.
- Shubham Mehta - Jio Saavn
- Neel Mehta - Tata Boeing Aerospace Ltd.
- Smit Parekh - Air India
- Arsh Mhate - Volkswagen India Pvt. Ltd.
- Rajvardhan Kapadnis – Hindustan Aeronautics Ltd.

EXAMINATIONS :

DJSCE, being autonomous is very student friendly in terms of education and examinations. The system of examination conducted in the college is unorthodox. One can easily reappear for examination if he/she fails to clear a particular course, hence reducing the stress of backlog created in one's mind.

ALUMNI TESTIMONIES :

MIHIR KANSARA



There comes a phase in our lives that directs our goals and shapes our personality for years to come. DJ Sanghvi was that phase for me. The department of Mechanical Engineering has so much to offer other than top class education. To all the students, either joining or pursuing at the moment, I'd just say this one thing: Life is going to get tough in the coming years. These are the years to build the foundation to face difficulties in life later. So be productive. Be smart.

JANAV UDANI



As I reflect upon my academic career, I look back to my time at DJ Mech with extremely fond memories. The undergraduate degree in Mechanical Engineering from DJSCE served as an excellent platform for me to build on and pursue my higher education, and in the case of some of my colleagues, to kick-start their respective professional careers. In addition to the academic coursework, the encouragement and constant support from the department for the students to pursue extracurricular activities was quite extraordinary.

DAANISH RODE



From sweating it out on the CNC machine and noting down readings in the lab to leading an aero design team and pestering professors to accept my late assignment, the four years studying Mech at DJSCE have played a pivotal role in shaping my personality and laying a foundation for my career. My professors created an environment conducive to learning, providing a multitude of opportunities to explore, take initiatives and grow.

VEDANT KALE



My four years at DJ Sanghvi and Department of Mechanical Engineering were great and a memory to cherish for a lifetime. The faculty of Mechanical Engineering is no less than a family, the way they treat a student is just amazing. Huge respect and love to all the faculty members of Mechanical Engineering it's their efforts that make me count myself into a Mechanical Engineer. And let's not forget the Lab Assistants and other administrative staff for their support and efforts.

VALENTINO MENEZES



DJSCE has countless opportunities for you to explore and the only thing it asks of you - participation. My personal advice for any Mechanical Engineering aspirant would be to develop an all-rounded profile and there are very few colleges that can compete with DJSCE in this regard. Getting good grades is not the tough part, however, doing so while you are designing a car, bike or model aeroplane; building a robot; planning college events; or representing your college sports team - that is the real challenge!

SHREYA POOJARY



I entered D.J. Sanghvi after completing my diploma in Mechanical Engineering. Even though I had previous education on most of the topics, the broader and more in-depth understanding of certain topics were very helpful. The professors were patient, understanding, highly skilled, and approachable. I definitely would recommend D.J. Sanghvi and would encourage students to study hard and inform themselves as much as possible about the several academic opportunities the Institution offers.

NATASHA MEHTA



When I reflect on my four years in D.J Sanghvi, I conclude that the experience not only added intellectual growth but inculcated an overall value system to adapt to the dynamic corporate world and society at large. With supportive classmates, team mates and professors, I was challenged to find a voice I didn't know I had. The whole experience gave me a solid career foundation and a bundle of clips I'm proud of.

NEWSPAPER PUBLICATIONS :

डी. जे. संघवी अभियांत्रिकी महाविद्यालयाच्या

'GO-CART' डिझाईन' टीमची गरूडझेप!!!

विजयी होऊन ते 'जे. संघवी' गोकार्टिंग चॅलेंज २०१६ मध्ये 'GO-CART' डिझाईन' टीमची गरूडझेप!!!

विजयी होऊन ते 'जे. संघवी' गोकार्टिंग चॅलेंज २०१६ मध्ये 'GO-CART' डिझाईन' टीमची गरूडझेप!!!

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DJS students on track for success with their go-kart

DJS students on track for success with their go-kart

big break

Go for Go Karting!

big break Go for Go Karting!

DJ Sanghvi students win international accolades

DJ Sanghvi students win international accolades

Students make car that runs on solar, electricity

FUTURE CAR With this innovation, they have become the first group from Mumbai to create such an automobile this year

Students make car that runs on solar, electricity

Go vroom! Vile Parle students secure sixth position in Formula Students India 2016

Go vroom! Vile Parle students secure sixth position in Formula Students India 2016

मुंबईकर सुपरफास्ट

गो कार्ट डिझाईन स्प्रेट सध्याच्या विद्यार्थ्यांचे यश

मुंबईकर सुपरफास्ट गो कार्ट डिझाईन स्प्रेट सध्याच्या विद्यार्थ्यांचे यश

Costing a bomb, go-karting arenas see only few patrons

Costing a bomb, go-karting arenas see only few patrons

डीजेएसचा अमेरिकेत डंका

डीजेएसचा अमेरिकेत डंका

मुंबई तहसिरा

मुंबई तहसिरा

'डीजे निर्मिती': देश घडवू शकणाऱ्या तरुण अभियंत्यांचा शोध

'डीजे निर्मिती': देश घडवू शकणाऱ्या तरुण अभियंत्यांचा शोध

ADDITIONAL OPPORTUNITIES :



SVKM's SAP Education Module is an initiative by SVKM for our students to equip them with the changing global business environment. This Module is a joint offering from SVKM and the SAP India for our students.



Through the SAS module, the students of the college will gain additional skills like data analytics, predictive modelling and visual analytics.



Advances the student's career with new skills. Coursera partners with more than 200 leading universities and companies to bring flexible, job-relevant online learning to individuals and organizations worldwide.



IBM ICE Internship is an activity, where students are made familiar to a working environment in an Industry.

PUBLICATIONS AND IPR :

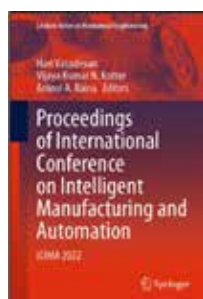
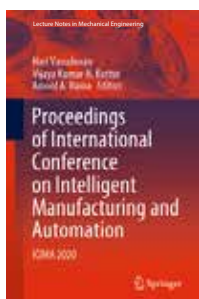
No. of Publication International and National Journals by Faculty Members : **200+**

Patent filed : **36**

Patents granted : **18**

CONFERENCE :

The International Conference on Intelligent Manufacturing and Automation (ICIMA) organized by the Departments of Mechanical Engineering and Production Engineering at Dwarkadas J. Sanghvi College of Engineering, Mumbai.



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