Shri Vile Parle Kelavani Mandal's
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING
Vile Parle (W) Mumbai - 400 056.

SVKM

PROSPECTUS 2020-2021

FOUR YEAR FULL TIME B.TECH DEGREE COURSES IN

CHEMICAL ENGINEERING
ELECTRONICS ENGINEERING
INFORMATION TECHNOLOGY
ELECTRONICS AND TELECOMMUNICATION ENGINEERING
COMPUTER ENGINEERING
MECHANICAL ENGINEERING
COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

TWO YEAR FULL TIME M.TECH DEGREE COURSES

ELECTRONICS AND TELECOMMUNICATION ENGINEERING
MECHANICAL ENGINEERING
COMPUTER ENGINEERING

PH.D DEGREE IN

MECHANICAL ENGINEERING
ELECTRONICS AND TELECOMMUNICATION ENGINEERING
COMPUTER ENGINEERING

Vision

To be a world class institution for education, training and research in engineering, inculcating values and skills for sustainable development of the society.

Mission

➢ To provide competent faculty and an interactive learning environment along with world class infrastructure for nurturing professionalism & entrepreneurship in Engineers.

➢ To foster technical competence, research aptitude and environmental awareness amongst aspiring technocrats to develop sustainable engineering solutions.

➢ To provide a forum for active interaction between academia & industry, leading to continuous improvement in engineering education.

Invitation from the President, SVKM & Chairman, Governing Body, DJSCE.

Dear Friends,

In the early part of the twentieth century, the architects of the Constitution of India visualized and concluded that the education system has to be a powerful instrument of social, economic and cultural transformation necessary for the realization of India's national goals. Their dream then was to develop an education system that would increase national productivity, achieve social & national integration, accelerate the process of modernization and cultivate social, moral and spiritual values. Since its inception, Shri Vile Parle Kelavani Mandal (SVKM) has always strived to contribute to this cause of nation building.

Given this background, especially in this era of competition in every sphere of life, a country like ours needs to be at the fore-front of technological innovation. It needs engineering professionals with technical skills at par with the best in the world. It is with this focus that SVKM has laid the foundation stone of Dwarkadas J. Sanghvi College of Engineering, twenty-six years ago. Since the year 1994, the College has proven itself to be one of the best institutes in the state and this is abundantly reflected in the success of its students in academics; in securing admissions to top universities in India and abroad as well as in securing placements in some of the best companies.

As you are aware, DJSCE is an Autonomous Institute affiliated to the University of Mumbai. All the programs, run by the college are accredited by the National Board of Accreditation (NBA) and we are indeed very happy to continue getting this recognition that is needed to enhance the status & further achievements of our students in their career. The college is also accredited by National Assessment and Accreditation Council (NAAC) with an "A" grade. Keeping in line with the needs of the industry, we are starting a new Undergraduate Programme this year, i.e., B.Tech in Computer Science and Engineering (Data Science) as well as increasing the intake in B.Tech Information Technology from 60 to 120.

Considering the long term goal of the institute, it is our firm belief that the research activities also have to be given a major thrust & all efforts are being made to enhance the same. Efforts are also being made to enhance the teaching learning process on a continuous basis in the institute.

During this twenty-seventh year, we reiterate our commitment to our cause of creating a breed of engineers with not just excellent knowledge, but with a keen sense of social responsibility and consciousness towards the challenges being faced by the country and the rest of the world. Our Country's youth are its greatest asset and we shall continue to nurture this valuable resource in the years to come.Best wishes and warm regards!

Amrish R. Patel
President,
Shri Vile Parle Kelavani Mandal

Shri Vile Parle Kelavani Mandal

Office Bearers

SHRI AMRISH R. PATEL
Hon. President & Trustee

SHRI BHUPESH R. PATEL
Hon. Joint President & Trustee

SHRI BHARAT M. SANGHVI
Hon. Vice President & Trustee

SHRI CHINTAN A. PATEL
Hon. Vice President & Trustee

SHRI SUNANDAN R. DIVATIA
HON. SECRETARY

SHRI HARSHAD H. SHAH
HON. TREASURER

SHRI JAYANT P. GANDHI
HON. JT. SECRETARY

SHRI SHALIN S. DIVATIA
HON. JT. SECRETARY

SHRI HARIT H. CHITALIA
HON. JT. TREASURER

SHRI JAGDISH B. PARIKH
HON. JT. TREASURER

Message of the Mentor, DJSCE

Dear Prospective Students!

In these interesting times, let us remember the famous Chinese curse "May you live in interesting times" as I consider it very pertinent to the changing times of the contemporary world. With the global melt down still at large and the deepening fears of the economic scenario that has played out in the last few years, industries are still struggling to meet higher levels of competition. World class industries are aiming to create value by exploiting their core competencies; by down-sizing; re-engineering and by cutting costs wherever possible.

In such a situation, it is only natural for industries to insist on adequate academic preparation of the students, who end up serving them. In today's intensely competitive scenario, prospective employers expect employees to deliver from First Day First Hour. Recognizing this fact, Shri Vile Parle Kelavani Mandal's Dwarkadas J. Sanghvi College of Engineering (Autonomous Institution, affiliated to the University of Mumbai), once again reiterates its commitment to creating Engineers of the highest caliber. In a country that produces around 12.5 lakh Engineers each year, it is our Mandal's commitment to ensure that our Engineering students as they cross the threshold of our institute are absolutely industry ready. With this aim in view, the college continues to provide world class infrastructure, facilities and a learning environment worthy of the intelligence, talent and potential of the students who join it.

The college has achieved a great deal in the 26 years, since it was established, in terms of the accolades won; in terms of academic and professional achievements of its students, and in terms of its placement record. All the eight streams run by the college are accredited by the National Board of Accreditation (NBA) New Delhi. The college is also accredited by NAAC with an "A" grade for a period of 5 years, starting from October 2019.

We at SVKM are confident that with the resources as well as the learned and dynamic faculty that the college has, it will soon emerge as a Global Brand in the field of Engineering Education.

Good luck to all!

Bharat M. Sanghvi
Vice President, Trustee SVKM &
Member, Governing Body, DJSCE.

Message from Principal

Dear All,

Greetings from D. J. Sanghvi College of Engineering!

In the current context of rapid changes that is taking place in our country, all activities directed towards economic advancements are required to be addressed with utmost priority. In this effort, it is also imperative to prepare social engineers, who could contribute to and manage the needs of the society with equanimity of mind and an attitude of selfless social service. Shri Vile Parle Kelavani Mandal (SVKM), our parent trust with abundant experience in the field of education and social service has always been focusing its efforts on this very important activity of nation building.

In a short span of 26 years, Dwarkadas J. Sanghvi College of Engineering (DJSCE), an Autonomous Institution, affiliated to the University of Mumbai and owned by SVKM has come a longway and has made its impact felt not only in the country, but also abroad. Our students have been performing exceedingly well in national and globally competent multinational companies and also in the universities in India and abroad as they pursue their higher education.

We are happy to announce that from the upcoming academic year 2020-21 onwards, the college is starting with a new programme, i.e., B.Tech in Computer Science and Engineering (Data Science) with an intake of 60. Further, the intake in B.Tech (IT) programme is also being increased from 60 to 120. This is being done keeping in mind the changing demands of the industry & other stakeholders. We have already received the permission from the AICTE for the same.

DJSCE is consistently rated amongst the top 100 Engineering colleges of our country by various ranking institutions. Recent "India Today" Survey has ranked DJSCE once again in the top 10 Private Engineering Institutions of the country. The survey has also ranked the college as the "Best Private Engineering College" (Rank 1) in the western region of the country. DJSCE is also ranked amongst the top 250 Engineering institutions of the country by the NIRF-2020, ranking agency of the Ministry of HRD, Govt. of India. The college runs 9 undergraduate programmes, 3 post graduate programmes and 3 Ph.D. courses, affiliated to and recognized by the University of Mumbai.

Beyond regular academics at the undergraduate and post graduate levels, the research activities being conducted at the Innovation Centre of the college as well as the regular publication of the college research magazine "TECHNOFOCUS" encourages and motivates our staff and students to undertake more and more research activities, in addition to their day to day work. The number of Research publications made by faculty members and students in various journals & conferences has increased manifold in the last 11 years.

Our college is committed to maintaining an academically rich and professionally competent environment by encouraging the enterprising skills of our students. Our faculty members do support and play a vital role in the overall development of our students and the institute. With the firm belief that, in the current era, our country is poised to make significant advancements in Manufacturing & Service Sectors and in line with Make in India, Skill India, Digital India, Startup India initiatives at the national level, we keep constantly creating new avenues and opportunities for our students, beyond what the university curriculum could otherwise provide.

Today, DJSCE is one of the most sought after institute for fresh aspiring engineering students. All the Undergraduate programs in the college are accredited by the National Board of Accreditation (NBA) and the college is also accredited by NAAC with an "A" Grade for a period of 5 years, with effect from October 2019. We are sure that the world class infrastructure provided by SVKM, a highly qualified faculty and a motivated group of students coupled with a vibrant ambience will continue to drive the growth of DJSCE as a great institution. We firmly believe that we shall be counted amongst the best at the global level in the years to come.

In all our efforts, we seek the Lord's Grace to keep us on the path of virtue, courage and wisdom. May thy grace and blessings flow through us to the world around us in all our efforts to make better quality engineers, who can make a positive impact in our society and help build our nation in these ever changing and challenging times.

Warm Regards & Good Wishes!

Dr. Hari Vasudevan
Principal

Shri Vile Parle Kelavani Mandal
HIGHER | FASTER | STRONGER

➢ Shri Vile Parle Kelavani Mandal, - "SVKM" to the society at large – grew out of a humble seed planted during India's freedom movement, namely, Shrimati Gokalibai Punamchand Pitamber High School – to nurture socially relevant education. Today SVKM has grown into a mega education nucleus with a distinguished roster of achievements.

➢ More than 55 vibrant institutions covering a wide range of educational and social needs.

➢ More than 62,000 students (currently) pursuing their careers from school to post-graduation & super specialization and Ph.D.

➢ The transformation of institutions of Shri Vile Parle Kelavani Mandal into the world–class institutions is undertaken by setting up the state of art facilities at each of its institutions.

➢ The Management believes that one of the important resources of an institution is its competent faculty members. The management has the policy of attracting, training and retaining good faculty members.

DJSCE : OVERVIEW

The demand for contemporary engineering courses arose in the early 90s as a result of liberalization in our country. As the need of time, Shri Vile Parle Kelavani Mandal (SVKM) responded positively to the demands of the Industry & academic fraternity and established a benchmark-setting Engineering college – The Dwarkadas J. Sanghvi College of Engineering (DJSCE).

Affiliated to the University of Mumbai, the College conducts the following **courses of study for the B.Tech/ M. Tech./Ph.D. Degrees** with the given intake capacity (**Academic Year 2020-21).** Our academic programmes are of high quality. They are competitive and industry oriented & relevant, which ensures that students pass their examination and attain what they have come for.

Under Graduate Courses (B.Tech)

Chemical Engineering	60 seats
Electronics Engineering	60 seats
Electronics & Telecommunication Engineering	120 seats
Information Technology	120 seats
Computer Engineering	120 seats
Mechanical Engineering	120 seats
Computer Science and Engineering (Data Science)	60 seats

Post Graduate Courses (M.Tech)

Electronics & Telecommunication Engineering	18 seats
Mechanical Engineering	18 seats
Computer Engineering	18 seats

Ph.D. Courses

Mechanical Engineering	10 seats
Computer Engineering	10 seats
Electronics & Telecommunication Engineering	10 seats

All the above eight undergraduate courses in the college are accredited by National Board of Accreditation (NBA).

Our college has been Accredited by National Assessment and Accreditation Council (NAAC) with a CGPA of 3.18 out of 4, i.e., with an "A" Grade for a period of 5 years.

The University Grants Commission (UGC) has granted Autonomous status to our institute (DJSCE) from the A.Y. 2019-20 onwards for a period of 10 years, i.e., till the A.Y. 2028-29.

Infrastructure and other Amenities

COMPUTING & INTERNET FACILITIES

The College has 792+ high-end computers (Out of which 735+ are i3 and 57 are i5) on LAN and 8 MBPS Line in addition to the ISDN Line. The entire campus is Wi-Fi Enabled.

Major software package available: All the required packages as per syllabus such as Oracle, MATLAB, CAD (NX-6), IBM Rational Seed, Ansys, Autocad, Por-E, Xylinx, Microunid, Inventer, Wordsworth, Orcad, etc. are available.

GAMES, SPORTS AND OTHER ACTIVITIES

Gymkhana is available for the students for the Indoor games. For the outdoor games, we hire the grounds on a continuous basis. A modern gymnasium, equipped with equipments and trainers, is also available for students. Student Council of the college organizes annual technical socio- cultural Festival-Trinity, Farewell Party, Fresher's Party, Teacher's Day, Engineering Day, SPIC-MACAY programmes, etc. for the students.

Recent Rankings of DJSCE

College is often rated amongst the Top 100 Engineering colleges of our country. The college figured amongst the top 100 Engineering Colleges of India in many of the following nationwide recent rankings in the A.Y. 2020-21, so far.

1. "India Today" Survey has ranked DJSCE 10th amongst the Top 200 Private Engineering Colleges in the Country and as the "Best Private Engineering College" in the West Zone of India (Issue: 06th July, 2020).

2. "National Institutional Ranking Framework (NIRF)" has ranked DJSCE amongst Top 250 institutions of India in the Engineering Category in India Rankings 2020 (Government of India: MHRD).

3. Education World magazine has ranked DJSCE, 29th amongst the Top 100 Private Engineering Colleges of India and 5th in the list of Top Colleges of Maharashtra (Issue: April 2020).

and few more to come...

Term Grant and Examination

As per the University of Mumbai directives, every student must complete, <u>to the satisfaction of the Principal</u>, the courses of study at the College prescribed for each term. The student must keep a minimum attendance of three-fourths of the number of lectures, practical etc. held in each subject, in each term and complete the prescribed term work, failing which the term may not be granted to the student. There will be an examination at the end of each Semester. The University will hold the examination at the end of semester I, II, VII and VIII. The examinations at the end of Semester III, IV, V & VI will be held by the college on behalf of the University according to University rules.

The Maharashtra Prohibition of Ragging Act, 1999.

COMMENCEMENT
The Act has come into force with effect from 1st June, 1999 and the institute will initiate strict action against anyone directly or indirectly involved in ragging.

ANTI RAGGING CELL
The anti-ragging cell of the college is headed by the Principal, Vice-Principals and consists of each of the eight heads of departments and two 1st year teachers. The contact details of the Principal are 9821464696/02226123892/022-26107461.

Admission Procedure

FIRST YEAR (B.TECH) ADMISSIONS

All the candidates seeking admission to First Year Engineering in the college for the academic year 2020-21 should keep track of the admission notifications and detailed procedure of admissions on the college website: www.djsce.ac.in.

Note: All the aspiring candidates are also required to keep track of admission notifications and all other admission related details on the CET Cell website: http://cetcell.mahacet.org.

ELIGIBILITY

Eligibility for Institutional Level Quota as declared by the guidelines of the Competent Authority, Maharashtra State will be strictly followed.

	Type of Institute	No. of Seats – as % of Sanction Intake			
		CAP Seats			Institutional Quota
		Maharashtra State (M.S.) Candidates	All India Seats	Minority Quota	
1.	Unaided Minority Educational Institutions	State Level Seats	15% of Seats under CAP#	Minimum 51% @	20%

> CAP Seats = Sanctioned Intake – Institutional Quota
> # CAP Seats excluding Minority Quota
> $ M.S. Seats = CAP Seats – (All India Seats + Minority Quota)
> % - Percentage

Change of Marks due to Verification:

(a) If the marks in the qualifying examinations are modified due to verification and the same is duly certified by the Maharashtra State Board of Secondary and Higher Secondary Education or its equivalent, the same should be reported to the Principal immediately.

(b) However the effect of the change will be taken into consideration only for the subsequent rounds of admission.

SECOND YEAR DIRECT ADMISSIONS

A student is directly admitted to the Second Year class of the B. Tech. Degree course in different branches of Engineering as per guidelines issued by the Government of Maharashtra.

The guidelines by AICTE, CET Cell & University of Mumbai are also followed while admitting students (Diploma) directly into second year in respective branches.
Candidates are requested to follow necessary instructions given on the college website (www.djsce.ac.in) as well as the CET Cell website (http://cetcell.mahacet.org) throughout the admission process.

Eligibility: As prescribed by the Regulatory Authorities.

FIRST YEAR (M.TECH) ADMISSIONS

FULL TIME – 2 Years M.Tech. Programme in

- Electronics & Telecommunication Engineering
- Mechanical Engineering
- Computer Engineering

Eligibility: As prescribed by the University of Mumbai Reservation for Gujarati Community (Linguistic Minority) will be as per rules.

Note: The guidelines given by Competent Authority, Maharashtra State have to be referred by the candidates. All the prospective candidates are requested to follow necessary instructions given on the college website (djsce.ac.in) as well as the CET Cell website (http://cetcell.mahacet.org).

Ph.D. ADMISSIONS

Admissions into Ph.D. course in Mechanical Engineering, Computer Engineering and Electronics and Telecommunication Engineering will be done as per the guidelines of University of Mumbai. Prospective Research scholars are required to refer to the college website for further instructions.

Certification Courses / VAP

1. Advanced Technology Courses in collaboration with IBM innovation centre:

DJSCE and IBM have collaborated to offer **Advanced Technology courses** for the benefits of our students. From this academic year i.e. 2019-20 onwards, a Certificate programme by DJSCE jointly with IBM Innovation Centre and NMIMS University will be offered to students. These Advanced Technology courses are bouquet of specialized subjects to the extent of additional 30-35 credits, which are over and above the minimum credits required for the regular B.Tech/B.E. programmes. These courses are industry-aligned and will lead to better employability prospects for the students.

Following streams of technology specializations are being offered for students to select from:

- Data Analytics
- Artificial Intelligence and Machine Learning
- Internet of Things

The benefits to the students from this initiative are as follows:

Project Based Learning, Vibrant Courseware, Guest Lectures and Student Interactions, Industry Events/Quiz/Campus Competitions and Student Monitoring & Tracking.

2. Spoken Tutorial Software (FOSS) Training Sessions:

Spoken Tutorial Training programme, being organised by IIT Bombay, was taken up at our institute. Many Students registered for the particular FOSS Programmes during the last semester and when the batches completed their revision and practice of all the tutorials, the online tests were conducted by IIT Bombay.

3. Coursera program:

DJSCE has registered with Coursera in connection with the Coronavirus Response Initiative and have received the license from them, you can register through our college for doing many online courses from various reputed universities from across the world. More than 2100 of our students and staff members had registered and completed many such online courses. It was a great opportunity for all to update on their skill set and also to do some valuable academic learning.

Few Major Achievements in current Academic Year

1. ## INSTITUTION'S INNOVATION COUNCIL (IIC): 5 STAR RANKING

   DJSCE - Institution's Innovation Council (IIC) is recognized as a Top IIC by the Ministry of Education's Innovation Cell in the Annual Performance Rating for IIC 2.0. The Ministry of Education's Innovation Cell has recognized Dwarkadas J. Sanghvi College of Engineering - Institution's Innovation Council (IIC) as:

   i)   One of the Top 5 IICs in the Western Zone.

   ii) One of the Top IICs in India with 5-Star Performance.

   iii) Having established IIC in November 2018, DJSCE has been recognized as the Top Performing IIC for A.Y. 2019-20 with a score of 98.33/100.

2. ## CSI ACADEMIC AWARD 2020

   DJ-CSI, one of our student chapters received the prestigious award "Best Accredited Student Branch" for the academic year 2019-20, under CSI Academic Award at the CSI Annual Convention 2020 held during 16th through 18th January 2020 at KIIT University, Bhubaneswar on the theme "Digital Democracy – IT for Change".

3. ## PATENTS

   There is a major thrust given on patent publications and project based training & research. Faculty members have filed a total 16 patents in the year A.Y. 2019-20 and have secured 5 patents till date.

4. ## AVISHKAR RESEARCH CONVENTION 2019-20

   Prof. Ramesh Rajguru, Ph.D. Research Scholar in Mechanical Engineering & Prof. Aruna Gawde, Ph.D. Research Scholar in Computer Engineering, won the District Level competition and further entering the final round of the University Level in the 14th Avishkar Research Convention 2019-20, organised by the University of Mumbai.

5. ## GRANT RECEIVED FOR RESEARCH PROJECT

   Dr. Vaibhavi Sonetha received a grant of Rs. 9.00 Lakhs along with IIT Bombay, from 'Science and Engineering Research Board' for research project 'Design, Fabrication and Evaluation of Patient Specific Bio-resorbable occlusion devices for treating Arterial Septal Defect'.

Participation and Achievements of students

(Students participated in various curricular activities. Some of their achievements are as under)

1. Ms. Madhura Deshmukh, Ms. Prashali Vichari and Ms. Dwani Telli won the first prize in '14th Intercollegiate/ Institute/ Department Avishkar Research Convention: 2019-20' organized by the University of Mumbai for their project titled 'Fabrication and Invitro testing of Biosynthetic skin for Burn wound'.

2. Mr. Vedant Singh, First Year student from the department of Mechanical Engineering won the High Commendation Award at "BITSMUN 2020", the Annual International Model United Nations Conference. The conference was organised by BITS Pilani- GOA from 30th January to 02nd February 2020 at in Goa Campus.

3. Dhara Patwa, Rushit Dantara, Vama Sethia, Satyendra Gupta and Sayli Shivalkar won India Innovation Challenge Design Contest 2019, Anchored by IIM, Bangalore.

4. Ankit Rishi Gupta, Dev Savla won first prize at Smart Mobility Hackathon, held on 27th & 28th July 2019 with a Prize amount of Rs. 35000/-.

5. Jinesh Shah has won national award in Economic Times Campus Stars Class of 2019-20.

6. Sasha Haku, Manali Salvi and Shreya Nair Won First prize in Oral Presentation at 'International Conference on Recent Trends in Bioengineering' for their project tilted 'Pre-Transfusion Blood Testing Device' organized by MIT Pune.

7. Pushkar Buse grabbed an exceptional Internship opportunity in Falkorny through the DJSCE Placement Cell with a stipend of Rs. 25,000/- per month.

8. Harsh B. Shah has secured 4th rank in MBA CET results with 99.99 percentile in results declared in May 2020.

9. Ankit Rishi Gupta, Dev Savla filed and published a patent: Title - Smart Networked Street Lighting System Using Non-Conventional Energy Sources.

10. Aniket Shahane, Ankit Rishi Gupta, Arnav Parekhji secured 2nd place at KJSCE Hack 2019, KJ Somaiya Vidyavihar, Mumbai, which was held on 5th and 6th October 2019.

11. Arsh Shaikh, Bhavesh Singh, Adnan Hakim and Aliabbas Rizvi participated in Hackathon 2019 organised by Vidyavardhini's College of Engineering and Technology on 27th and 28th September 2019. They won the 3rd prize in the Hackathon.

12. Dhruv Pithva completed 8 weeks NPTEL course on "Introduction to Machine Learning". He has secured 92% (Elite + Gold Certificate).

Various DJSCE students' Teams

1. **DJS KRONOS INDIA:** DJS KRONOS INDIA is the official off-road racing team of DJSCE. The team designed, validated and fabricated an All-Terrain Vehicle and they took part in several national level competitions such as BAJA SAE INDIA and ENDURO STUDENT INDIA. Their achievements are as follows:

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Baja SAE India 2020

Number of teams participated: 253
- 16th Overall.
- 6th Maneuverability.
- 23rd Acceleration.
- 13th Sales Overall.

BAJA SAE International

Number of teams participated: 173
- 3rd Overall.
- 4th in Design Presentation
- 8th in Sales Presentation
- 9th in Cost Presentation

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DJS Kronos

DJS Skylark

2. **DJS SKYLARK:** DJS Skylark, the official RC Aircraft team of DJSCE aimed to raise the bar in 2020 in the SAE Aero Design East in the Micro class. They achieved top ranks amidst 85 participating teams from 5 continents. Summary of the results in Lakeland, Florida, USA East competitions are as follows:

SAE Aero Design Competition

- 2nd Rank in Mission Performance in Micro Class.
- 3rd Rank Oral Presentation of Micro Class.
- 3rd Rank in the Overall Performance in Micro Class worldwide
- 15th Rank in Regular Class worldwide

3. **DJS SPEEDSTERS:** DJS Speedsters successfully built a prototype of an E-bike and fully working model of a commercial electric motorcycle. The team participated in Asian E-bike Challenge conducted at Raghu Engineering College, Vishakhapatnam and in E-Bike Racing Challenge held at O.P. Jindal University, Chhattisgarh. Their achievements include:

Asian E-Bike Challenge 2020 Competition

Number of teams participated: 37
- Overall champions Nationwide
- Best engineering design
- Overall statics winner
- Best project plan
- Best start up plan

E-Bike Racing Challenge

Number of teams participated: 30
- Overall Rank - 2

4. **DJS ARYA:** DJS Arya secured 9th position worldwide in the Global Satellite Competition (CanSat) 2019-20, standing out from amongst hundreds of teams participating in this competition every year. They also stood 3rd among Indian teams by improving their rank International and National rankings considerably.

Global Satellite Competition (CanSat) 2019-20

- 3rd Overall (India)
- 13th in PDR (Worldwide)
- 4th in PDR (India)
- 2nd in CDR (Worldwide)
- 1st in CDR (India)

5. **DJS RACING:** DJS Racing, the Formula Student team of DJSCE participated in Formula Bharat 2019, which was held at Kari motor speedway, Coimbatore from 23rd to 27th January, 2019. The team had both their two race cars (One combustion and one electric) in the competitions.

Formula Bharat 2020	**Formula Student Germany 2019**
Number of teams participated: 51	Number of teams participated: 60
• Overall rank: 7	• Overall rank: 43

DJS Racing

DJS Antriksh

6. **DJS ANTRIKSH:** DJS Antriksh, the official Rover Challenge team of DJSCE achieved 3rd position worldwide in the European Rover Challenge (ERC 2020) held at Poland. Summary of the results are as follows:

European Rover Challenge (ERC 2020)

- 3rd Overall (India).
- Won the Best Science Planning award among all teams in ERC 2020.
- First ever Asian and Indian team to have made it in the Top 3 teams in the history of European Rover Challenge (ERC 2020).

Some of the Major Events held

1) **ICWiCOM 2019**: The college organised the second edition of ICWiCOM (International conference on wireless communication) for the year 2019. The conference was held across two days on the 11th and 12th October 2019. Total 100+ papers were presented across eight sessions including 2 Skype sessions, which was the highlight of this conference.

2) **ICACTA 2020**: The Second International Conference on Advanced Computing Technologies and Applications (ICACTA) was successfully held on the 28th and 29th of February 2020. Over 161 international and national papers were received, out of which 65 were selected after a rigorous review by our panel of expert reviewers. The papers presented in the conference will be published in Springer book Series, "Algorithms for Intelligent Computing".

3) **Codeshastra 6.0:** An overnight (24 hrs.) hackathon was organized by the Department of Computer Engineering on 7th and 8th March, 2020 in the college. It witnessed over 90 teams from various parts of the country. Codeshastra 6.0 witnessed a total of 850+ registrations. 260 participants were present for the event. The Codeshastra Round 0 was organised on 26th January 2020.

4) **DJASCII:** DJASCII is the state level project presentation competition conducted jointly by ACM and CSI students' chapters in the college. This year, a total of 96 teams were shortlisted for the competition, out of which 71 teams were present on the day of the event.

5) **DJ Spark:** DJ Spark 2020, a State Level technical project competition was organised by DJSCE with the aim of rekindling ever present thirst in engineers to make, to build, to innovate and to conquer professional life. DJ Spark 2020 got a tremendous response as total 60 plus papers were received. Following a rigorous review process, 8 outhouse & 19 in-house papers were selected and published.

6) **Codestars:** A coding competition was planned by the Programming Club of DJSCE, viz, Codestars, on 14th and 15th of June 2019 for all the students. The competition was aimed for SEs, TEs and BEs. The competition was a 24hr competition so that the students could participate in, online. There were two divisions, Div1 and Div2 for this competition.

7) **DJ Strike:** DJ Strike is a mentorship program and an initiative, which begun at the start of this academic year, also showcased their projects. Around 300 participants participated in DJ Strike 2019-20, giving a total of 53 teams. A total of 4 reviews were conducted resulting in the final 30 shortlisted teams. Technical papers of these 30 projects have been published in the DJ Strike journal, which has a recognized ISBN number.

ICWiCOM 2019

ICACTA 2020

PROUD TO BE A DJ-ite!

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