



JSS UNIVERSITY

C-Block, Phase 2, Sector 62, Noida,
Uttar Pradesh, 201301



Scitech Connect

APRIL 2025, VOL - 3



www.jssunoida.edu.in

Vision & Mission

Vision

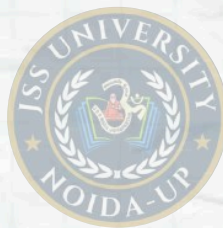
JSS University Noida aims to become an Institution of excellence in imparting quality Outcome Based Education that empowers the young generation with Knowledge, Skills, Research, Aptitude and Ethical values to solve Contemporary Challenging Problems.



**Jagadguru Sri Shivarathri
Deshikendra Mahaswamiji
Chancellor**



**Dr. C.G. Betsurmth
Executive Chancellor**



**Dr. B. Suresh
Pro. Chancellor**



**Dr. H.R. Mahadevaswamy
Vice Chancellor
(Officiating)**

Mission

1. Develop a platform for achieving globally acceptable level of intellectual acumen and technological competence.
2. Create an inspiring ambience that raises the motivation level for conducting quality research.
3. Provide an environment for acquiring ethical values and positive attitude.

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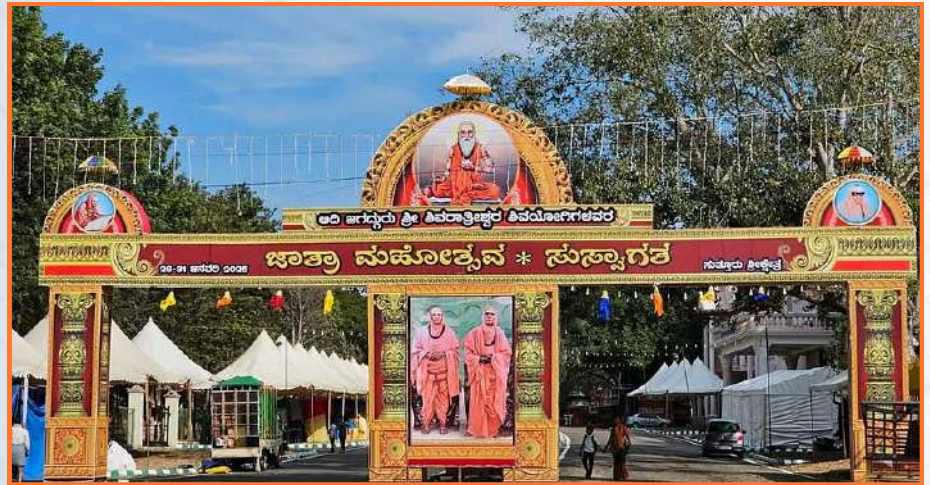
Career Journey of an Alumnus-inspiring and guiding the students

Glory Gallery

JSS MAHAVIDYAPEETHA

Sri Suttur Jathra Mahotsava

The six-day Adi Jagadguru Sri Shivarathreshwara Shivayogi Jathra Mahotsava was held from Jan. 26 to 31 at Suttur Sri Kshetra, in Nanjangud taluk, Mysuru district.



Picturesque Scene during Sri Suttur Jathra Mahotsava: a blend of traditional, spiritual and community activities.



Traditional Start to Jathra Mahotsava



Ensemble of folk artistes performing at the rathotsava during Suttur Jathra in Mysuru district

JSS MAHAVIDYAPEETHA Sri Suttur Jathra Mahotsava



CM Sri Siddaramaiah Ji inaugurated
Desi Games, Rangoli Contests



Thousands witnessed Rathotsava at
Suttur Srikshetra



EDITORIAL INSIGHTS



**Anyone who says writing is easy,
isn't doing it right**

I congratulate all students, faculty and staff members for successfully completing the first semester. During the initial years, an organization has to strive hard in order to create a conducive environment of growth and development. This issue of Newsletter will highlight some of the major aspects of JSS University, Noida, including student feedback, parent feedback, a technical corner, a creative corner, glimpses of campus life and the achievements of students and faculty members continuing the tradition of previous issues.

This issue also covers one of the major events organised at JSS University-Industry Convention, an event to bridge the gap between industry and academia. This event was graced by the honorable Vice Chancellor, featured a number of high profile industry experts who participated in a panel discussion on trending topics. This event included competitions for students so that they harness their skills in business and technical realms. The competitions namely 'Hackathon,' 'Business Ideathon,' & 'Poster Presentation,' helped students incorporate their business ideas & exhibit their technical skills. The experts invited from industry and academia guided students and motivated them to nurture their talents and skills.

With a promise to bring more such engaging and expressive issues, I extend my wishes to all my dear students. I wish you to strengthen your skills and keep the spirit of learning alive and move forward in order to achieve your professional goals in life.

Dr. Mamatha T.G.
Chief Editor

Editor



Dr. Nishi Sharma

Creative Team



Utkarsh Srivastava, B.Tech CSDS



Sahal Parvez, B.Tech CSDS



Message

From Dean Student Welfare & Academic Coordinator

Welfare's purpose should be to eliminate, as far as possible, the need for its own existence. Ronald Reagan

Dear Students, Faculty, and Staff Members of the University Community,

I am elated to share my thoughts through this platform of the Newsletter. As Academic Coordinator and Dean Student Welfare, I take this opportunity to address all my students through this newsletter. Student life is very crucial, it is a time for self discovery, cultivating talents, forming meaning relationships and laying the foundation for a successful and fulfilling future. JSS University is committed to provide you with a high quality education which will help you nurture curiosity, critical thinking and innovation. We are dedicated to support your overall well being whether it pertains to your emotional, social or physical health.

I extend my heartfelt gratitude to the parents, alumni and supporters. Your continued involvement—whether through mentor-ship, internships, or other real-world opportunities—plays a critical role in the development of our students

Prof. R.S. Jagadish

Dean - Student Welfare & Academic Coordinator



Prof. Praveen T. K., M. Pharm., Ph.D. Principal, College of Pharmacy

praveen.tk@jssuninoida.edu.in

'As an academic what do you have? You have the quality of your work and the integrity with which you do it.' - Ezekiel Enamuel

- Completed Master of Pharmacy in Pharmacology (2003) from Rajiv Gandhi University, Bangalore.
- Obtained his Ph.D.(2013) in Pharmaceutical Sciences from Dr. MGR Medical University, Chennai.
- Has 19 years of experience in the realm of teaching and research.
- Received 5 major research grants worth of ₹328.19 lakhs: Ongoing: DST-Indo Uzbek- ₹ 117.00 lakhs; DBT-NER-₹48.73 and DST-SERB-₹39.27 lakhs, and Completed: DBT Nanobiotechnology-₹72.19 lakhs; DST-Nanomission-₹51.00 lakhs.
- He has received 4 travel grants worth Rupees 3.55 lakh for his academic assignments. Has 8 Indian patents to his credit. Guided 45 PG and 18 Ph.D. Scholars and published 150 research papers.
- Was invited by the Foreign Universities as Guest Speaker/ Resource Person for more than Five times. He Was Nominated as the Member of the BoS for the University of Khartoum, Sudan.
- Received Summer Research Fellowship-2014 from the Indian Academy of Sciences.
- Received Research award in the year 2018 and 2020 from his Institution and University.
- He has been recognized as, 'Best Teacher,' in 2018 & 2021.

Key Pillars of Academics



Dr. Md. Afzal Azam
Dean Research,
College of Pharmacy

- A distinguished pharmaceutical scientist and academician, currently serving as the Dean – School of Pharmacy
- Completed his postgraduate studies in Pharmaceutical Chemistry from Birla Institute of Technology (BIT), Mesra, Ranchi in 1988
- Ph.D. in Pharmaceutical Sciences from The Tamil Nadu Dr. M.G.R. Medical University, Chennai.
- Has over 70 research papers published in peer-reviewed international journals. His expertise and contributions continue to influence the fields of medicinal chemistry and drug discovery.

- Completed M. Pharm. (2009) from JSS College of Pharmacy, Ooty affiliated to Dr. MGR Medical University, Chennai.
- Completed Ph.D.(2020) from JSS Academy of Higher Education and Research, Mysuru.
- Dr. Ved Pal has published 20 research papers in reputed SCI/Scopus and Web of Science-indexed journals. Published a Patent and a book chapter.
- His achievements include securing a Ph.D. research grant from JSSAHER, Mysuru, His research involvement extends to the INDO-SOUTH AFRICA DST bilateral project. He also received the Best Excellence Research Award at the International Innovation Research Conclave 2024.



Dr. Ved Pal Singh Parihar
HoD, Pharmacognosy
College of Pharmacy



Dr. Rohit Singh
HoD, Pharmaceutical Chemistry,
College of Pharmacy

- Dr. Rohit Singh is a distinguished researcher with 13 years of Academic/Industrial/Research experience.
- He completed his M.Pharm in Pharmaceutical Chemistry (2011) from JSS College of Pharmacy, Mysore.
- He was awarded Ph.D. (2020) from CSIR-Central Drug Research Institute (CSIR-CDRI), Lucknow/ Academy of Scientific and Innovative Research (AcSIR) under the CSIR-Senior Research Fellowship. Has 2 years of Industry experience.
- His achievements include 19 peer-reviewed publications, one patent (India), and one research grant.

- Studied pharmacy at the College of Pharmacy, JSS Academy of Higher Education and Research, Mysuru where he obtained B.Pharm, M.Pharm, PG Diploma and Ph.D.
- Trained under an IIT Madras alumni Dr. Dattari K Nagesha during his Ph.D research work. Worked in the pharmaceutical industry in the regulatory affairs department for the EU and ROW market.
- Was recognized and awarded consecutively for two years for his contribution to pharmaceutical sciences in 2021 and 2022.
- Has published more than 40 research, review article and book chapter in Science citation index (SCI) Scopus, Web of Science and Google Scholar with high impact factor. Has three patent (one US patent granted) and two Indian patent to his credit.



Dr. Abhay Raizaday
HoD, Pharmaceutics,
College of Pharmacy

INDUSTRY CONVENTION

Industry Convention 2024, for all the students of B.Tech, MCA & Pharmacy students of JSS University and JSSATE, Noida was organized on 14th December 2024. JSS University, Noida is proud to have hosted the Industry Convention 2024 bringing the Industry and academia to one platform through Hackathon, Business Ideathon, Poster presentations, Tech talks and a Panel discussion. The preliminary rounds of the Hackathon, Business Idea-thon and Poster presentation started from the 27th November 2024 and culminated at the Grand Finale on 14th December 2024.



Lighting of the lamp during the Inaugural Ceremony of Industry Convention by: Honorable Vice Chancellor (officiating), JSS University, Noida, Principal, JSSATE-Noida, Registrar -JSSUN, Principal, College of Pharmacy, JSSUN & CAO-JSSATEN & Special Officer, JSSUN



Registrar Dr. Mamatha T.G. presenting memento to the Chief Guest, Dr. Kalpana Johari, Associate Director-CDAC, Noida

Guest of Honor, Mr. Shubham Tomar, Sr. Manager, Tony Blair Institute for Climate Change & Former Mission Head at AGNI, an initiative of Principal Scientific Advisor to Govt. of India.



INDUSTRY CONVENTION



Dr. H.R. Mahadevaswamy, Vice Chancellor (Officiating)- JSS University Noida delivering the Presidential address.



Dr. Amarjeet Singh, Principal JSSATE, Noida welcoming the guests and the students participating in various events



Release of JSS University's Newsletter by the dignitaries



Registrar, JSSUN proposing Vote of Thanks

CONVERGEX HACKATHON - Glimpses of the Event

Convergex Hackathon: 300 teams registered, and Online Round 1 & Offline Round 2 was conducted from **27th Nov 2024**. For the Grand Finale, **Top 10** Teams were selected to showcase their prototypes.



The **Final Round of NCS Convergex 2024** took place on **11th December 2024** in the Multipurpose Hall (MPH). This concluding phase featured the final presentations and prototype demonstrations by the **top 10 teams**.



Poster Presentation

The **first round of the Poster Presentation Competition** took place at the department level, after which **20 posters** from various departments were selected for the **final round**.



Interaction of the Juries with the participants



Felicitation of the Winners

Business Ideathon

Business ideas were evaluated, and out of **38 teams, 23** advanced from **Round 1. In Round 2, 10 teams** were selected to compete in the **Grand Finale.**



Industry Experts demonstrating various aspects



of Implementing a Business Idea into a Venture



Organizing team with esteemed jury members



Student Volunteers- elated at their commendable job

The Panel discussion "**Transformative Trends for Employability Skills Towards a Developed India by 2047**" was Moderated by **Mr. Bohitesh Misra, Co-founder & CTO, Avexa Systems Pvt. Ltd.** The discussion had following invited panelists:

1. **Mr. Manuj Gupta**, CEO/Founder Director, Orane Consulting Pvt. Ltd., Noida
2. **Mr. Mayank Bholra**, Co-Founder & Head of Product, Lambdatest
3. **Dr. Preeti Jain**, Vice President - FE Corporate Finance, Accenture
4. **Amit Gupta**, Director, Cloud & Custom Applications, Capgemini
5. **Ms. Kaushani Sarkar**, Vice President - People Experience, EMIDS

Two Tech Talks also were planned for the Industry Convention on:

1. Cloud Computing & DevOps Practices by Mr. Rajneesh Goyal &
2. Employability in the Age of AI by Mr. Shubham Tomar.



Orientation for staff on importance of Accounts audit and accountability by:
Mr. K.R. Santhanam,
Director of Accounts & Audit
JSS Mahavidyapeetha
Mysuru



Expert: Talk on Research Impact and Journal Selection



Department of Library & Information Centre, JSS University, Noida organized Expert Sessions on

1. Maximizing Research Impact: Effective Use of Keywords and References.
2. Choosing the Right Journal: Impact Factor, Scope, and Target Audience."

If we knew what it was we were doing, it would not be called research.

~Albert Einstein

Snapshot: Academic Attributes

- **Inauguration and Orientation** Program; 21-08-2024 to 28-08-2024
- **Odd semester classes were** held from 29-08-2024 to 21-12-2024
- **Total No. of classes held is 40- 45: Study material was provided** to all students; syllabus completed on time
- **Two CIE conducted** (CIE-1 from 07-10-2024 to 09-10-2024; CIE-2 is from 21-11-2024 to 23-11-2024)
- **One special/improvement CIE** from 15-12-2024 to 21-12-2024 is conducted
- **Two academic activities:** event: quizzes/mini project/ assignments/ case studies conducted (24,25,26 of October 2024 and 5,6,7 of December 2024)
- **CIE of the Lab Subjects** conducted 09-12-2024 to 14-12-2024
- **Eleven Extra Curricular/co curricular** activities conducted on every Wednesday in the semester
- After CIE, slow and bright learners identified and motivated
- **Mentoring of students** carried out by class coordinators
- **Course files prepared** and the same has been monitored
- **Industry conclave was organized** on 14-12-2024
- **Examination conducted** from 28-12-2024 to 09-01-2025

Extra Curricular & Co Curricular Activities

- **04-09-2024:** Demonstration of on line Learning Platform of Infosys Springboard
- **05-09-2024:** Teacher's day Celebration and Debate Competition
- **11-09-2024:** Introducing Students of JSS Noida to students society nibble and quanta
- **18-09-2024:** Engineers day celebration
- **25-09-2024:** Tech talk by Alumnus, Mr Digvijay Garg Regional Director Oran Consulting Pvt Ltd
- **16-10-2024:** Awareness about IEEE and Membership Drive
- **23-10-2024:** students registration for non technical clubs
- **13-11-2024:** Outreach Activity - Akshargyan
- **02-12-2024 to 03-12-2024:** Sports and Yoga Activities and "Mythri:" Annual Sports Meet
- **13-12-2024:** Expert Talk on Social media Branding Strategies Turing Clicks into customers by Dr. Nagendra Prasad, JSS S&TU
- Tech Talk by Corporate Alumni on Navigating Career Path: Insights from by Mr. Asad Khan CEO & Co-Founder Lambda Test

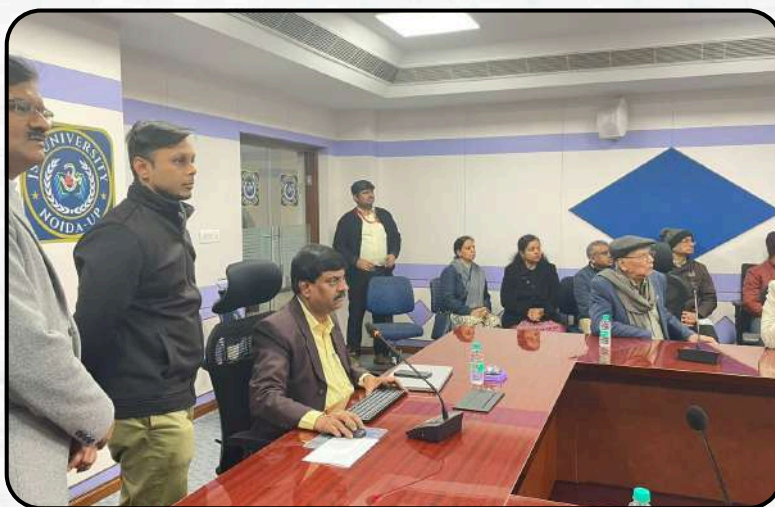
Evaluation Process

Three Stages of Evaluation were carried out

1. Internal faculty evaluated the sheets.
2. External faculty evaluated the sheets
3. In case of discrepancies of marks, third evaluator evaluated the sheets
4. This process ensures transparency in the evaluation.
5. This is to safeguard the interests of students.

Result Declaration Day

Quality is never an accident



Campus Life

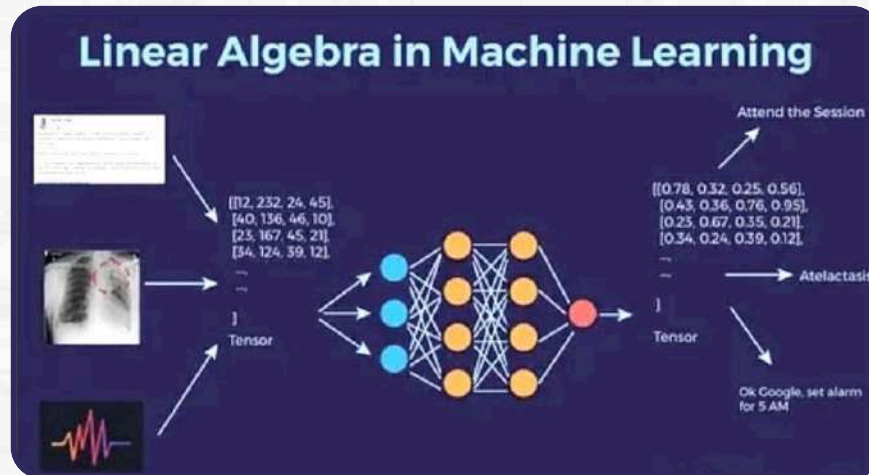


Knowledge is not always obtained sitting at the benches in the circumference of a classroom



There is no passion to be found in playing small, in settling for a life that is less than the one you are capable of living.

—Nelson Mandela



Mathematics is the fundamental basis for AI algorithms and models, enabling machines to efficiently handle, examine, and understand extensive quantities of data. Linear algebra allows data to be depicted and manipulated, facilitating tasks such as image recognition, natural language processing, and recommendation systems. For instance, linear algebra is crucial in developing neural networks, which are the building blocks of deep learning. Likewise, Matrices and vectors are utilized in neural networks to symbolize and manipulate data, facilitating intricate calculations and empowering AI systems to extract significant insights from the data.

Developing machine learning algorithms requires proficiency in linear algebra, calculus, probability theory, and statistics. These algorithms utilize mathematical equations and functions to detect patterns, make predictions, and categorize information.

As we continue to unravel the mysteries of AI and its applications, the profound nexus between mathematics and artificial intelligence will undoubtedly remain at the forefront of technological advancement, shaping the future of our digital world. Embracing this synergy opens doors to unprecedented possibilities, where the art of mathematics converges with the science of AI, illuminating new horizons of discovery and innovation.

Dr. Vinita Khemchandani
Head of the Department - Mathematics

"AI could solve math problems on an unprecedented scale: instead of solving one theorem at a time, AI could work on the space of problems and classes of 1000s of problems at a time." - Terence Tao, Mathematician

Drones: The Revolutionary Aerial Technology

Drones, also known as **Unmanned Aerial Vehicles (UAVs)**, have become a cornerstone of modern technology. These aerial devices operate without an onboard human pilot and are controlled either remotely or autonomously through pre-programmed flight plans. With advancements in technology, drones have diversified in size, capability, and application.



The Anatomy of a Drone:

A drone's design and components are crucial to its performance. Key elements include:

- **Frame:** Constructed from advanced materials such as carbon fiber composites or magnesium alloys, modern drone frames strike a balance between rigidity and weight.
- **Propulsion System:** High-efficiency brushless motors and variable-pitch propellers are standard in advanced drones, enabling precise control and adaptability to different flight conditions.
- **Power Source:** Cutting-edge drones explore alternative power systems like hydrogen fuel cells and hybrid-electric engines which aim to extend flight endurance beyond the limitations of conventional Li-Po batteries.
- **Flight Controller:** Modern flight controllers use advanced microprocessors and real-time processing.
- **Sensors:** High-end drones utilize a suite of sophisticated sensors:
 - **Camera Systems:** Advanced drones feature 4K to 8K cameras with optical zoom and HDR capabilities. Multi-axis gimbals offer unparalleled stabilization, while AI-driven image processing enhances clarity and object detection in real-time.
 - **Communication Systems:** Dual-band communication systems with encrypted links ensure secure and reliable data transmission. Some drones incorporate satellite connectivity for extended-range operations and real-time telemetry feedback.

Conclusion

Drones represent a remarkable fusion of aerodynamics, electronics, and software. Their intricate design and engineering allow them to perform a wide range of functions with precision and efficiency. As innovation continues, drones are poised to redefine boundaries in technology and expand their role in various industries, pushing the limits of what is possible in the aerial domain.

Mr. Naveen J. Asst. Registrar-Evaluation

Mr. Kartikeya, AIML-IV Year-JSSATEN

Love fixes everything
 not the kind of love you see in movies ,
 But the simplest form of it.
 When your mother covers you with a blanket after you've fallen
 asleep .
 When you tell your father you want something and the next day
 there's a lot of it.
 When (only sometimes) your siblings gives you a bite of their
 food after you've finished yours
 When you're having a bad day and that one friend lights up your
 mood by doing weirdest shit and makes you laugh till your belly
 aches
 When you get home after a long time and your pet is wagging its
 tail
 When you are leaving for hostel and your grandparents secretly
 gives you money.
 A love that exists without expecting anything in return.
Manya Singh, B.Tech-IT

Seperation

*There we go, lost in the old albums
 wrapped up in the paper of
 ephemeral love.
 the verity of every page couldn't stay
 long apart masked in the forsaken
 by beloved.*

*The roots of our bond were broken
 in the shadow of time,
 I suppose it was just me who took
 ages to realise.*

*Even if we could go back and jump
 to those pages,
 I would choose to crush and burn
 them all away, shrouded in the fire
 burning in rages.*

*The tears fall burning the skin of my
 eyes, remembering how I left the
 voice of the lesson unheard,
 Separation could actually be a thing
 to exist was my daily jest of dawn,
 appearing to be now utterly absurd.*

Vidyanshi Vajpai, B.Tech, IT



**Akanksha Dhyani
 CS-AIML**

CREATIVE CORNER

**Aryan Singh
 CSE-DS**



Stars

In shadows cast by moonlight's grace,
 I see your smile, your enduring embrace.

Yet every glance, a fleeting dream,
 A love that flows, an unseen stream.
 Your voice, a song that stirs my soul,
 But I remain a part, not whole.

For you, the stars may brightly shine,
 But your world will never echo mine.

A quiet ache, a yearning deep,
 A secret vow my heart shall keep.
 Each word unspoken, each desire denied,
 A love that blooms but cannot bide.

Though bound by fate, may the stars align true,
 A fire that burns, unseen by you.

In your joy, my solace lies,
 Though in my heart, a thousand sighs.

Aarushi Mishra, CSE-AIML

The shadow beneath the crimson tree
 The hiraeth of a home that shalt never be
 Reeking with a sense of naivety
 How deceivable can one ever be?

Stifled by the silvered strings
 Of this grim mechanicus of peasants and kings
 Longing for a loose end
 In the midst of these heavy winds

Hither and thither thou may saunter
 But the truth never leaps astray
 I am a cog amongst a million
 And like a cog, I must wear away

Thou wilt wither away when the gears shalt halt
 Thou wilt wither away when the hammer has
 felled

Alas, I stand in a meadow of sorrow
 For there might never be a true tomorrow

Rishi Raj, B.Tech, ECE

Students Speak - As the First Semester Concludes

School to college is not an easy transition. It poses many changes as well as challenges. Hostel becomes your home & our school buses are replaced by an unending auto-rickshaw search.

But everything in life has its own importance, school was about giving us the basic education and making us a self-secure and confident person. Whereas college is about making us an industrially competent person. It moulds us into someone who can deal with challenges and face people and situations on their own, whether professionally or otherwise.

In the last 6 or 7 months that I have spent at JSS University, NOIDA, I have seen students and teachers from all walks of life, from different towns and cities which makes the campus all-the-more diverse. It also makes me realise that everyone has their own struggles and the way they endure them is always noteworthy. For example there are students who come from places like Chhattarpur which is about 35km from NOIDA and showing up everyday is not easy yet whenever I enter my classroom, I always find them already seated. There are hostelers who face all those bitter-sweet experiences that every hosteler goes through (staying away from home, managing your expenses, decluttering the room and the list goes on), but most of my hostel dweller peers are the ones scoring above 8 SGPA. People have already come up with the solutions to the problems that seem hard to deal with. And this is the part which makes diversity all-the-more competitive.

I have always seen the professors welcoming every student with open arms and solving all their doubts and queries with their indomitable spirit. They say that an individual can be nurtured in the right environment and I feel that the right environment that we need to grow, is already started setting in.

Even though I am still absorbing, still learning, still very much new in this institution, I believe that when I step out of my college I would be prepared to face all those challenges that life brings up to me.

Kalyani Chaunwal
BTech CSE

As I complete my second semester at JSS University, I am pleased to reflect on my academic journey thus far. The past months have been filled with valuable learning experiences, insightful discussions, and opportunities for personal and professional growth.



The faculty members remain highly supportive and knowledgeable, continuously encouraging students to engage in critical thinking and practical application of concepts. The curriculum is well-structured, providing a balanced approach to theoretical learning and hands-on experience.

Beyond academics, the university offers a dynamic campus environment with various extracurricular activities every Wednesday if not more, that foster a sense of community and holistic development. Engaging in these events has been an enriching experience, allowing students to interact, collaborate, and develop essential skills beyond the classroom.

The campus infrastructure is well-maintained, with modern classrooms, advanced laboratory facilities, and a well-equipped library that serves as a valuable academic resource. The canteen provides a variety of food options, catering to different preferences.

While the university continuously strives to enhance its facilities, a few refinements could further improve convenience. For instance, an additional printer service would be a valuable addition, as the current demand often leads to long wait times, especially during peak hours. A small change like this would make academic tasks smoother and more efficient for students. The university's efforts in ensuring a conducive learning environment are commendable and contribute significantly to the overall student experience.

Overall, my time at JSS University has been rewarding, and I look forward to further academic and personal growth in the coming semesters.

Shambhavi Shree
J240213014 – IT branch

Having completed my first semester at JSS University, I am excited to share my experience so far. As a CSE DS student, my journey has been both enriching and insightful. The faculty is highly knowledgeable and approachable. The curriculum is quite interesting, as we are the first batch of this university, and the faculty is still figuring things out. The best part about academics is that the college focuses more on practical knowledge than just bookish learning.

Beyond academics, the university offers a vibrant campus life. I had the opportunity to participate in various events such as the Inaugural Orientation, the AKTU Orientation, and the Alumni Meet. Our Ethnic Day was particularly enjoyable, it was an experience worth remembering.

The campus infrastructure is well-maintained, with modern classrooms, a well-stocked library, and excellent lab facilities. The canteen is good. The only problem students face is the unavailability of Wi-Fi in the library, an area where internet access is crucial.

Overall, my experience at the university has been great so far. It provides a perfect balance between academics and extracurricular activities, especially with dedicated days for sports, events, and more. I am looking forward to the coming semesters and the opportunities ahead.

Shikhar Srivastava
CSE-DS

Parents Speak - Beyond the Threshold of First Semester

As a parent, I am satisfied with my child's growth at JSS University. The institution offers a well-structured curriculum that effectively combines theoretical knowledge with practical learning, ensuring a strong foundation for future success. The faculty is highly experienced and supportive, fostering an environment that encourages intellectual development and critical thinking.

Beyond academics, the university provides various extracurricular opportunities, which help students develop leadership, teamwork, and problem-solving skills. It is encouraging to see my child actively engage in these activities, contributing to their overall growth.

The campus infrastructure is well-maintained, with modern classrooms, advanced laboratories, and a well-equipped library that supports academic excellence. The university's commitment to providing a structured and enriching learning environment is commendable.

Overall, I appreciate JSS University's dedication to academic excellence and holistic development and look forward to my child's continued progress in the coming semesters.

Swati Singh

We are very pleased with the standard of education and discipline upheld at the university. Since this is the inaugural batch, we had some initial concerns, but the strict environment guarantees that students stay focused on their studies and overall growth. The university boasts some of the best quality teachers who are immensely knowledgeable and committed to guiding students towards success.

One of the prominent features is the regular examinations and tests, which assist students in staying prepared and improving continuously. The university also offers top-notch facilities, providing a comfortable and well-equipped learning atmosphere. Moreover, the initiative of conducting one industrial visit every semester delivers valuable practical exposure, connecting academics to real-world applications.

We sincerely value the creation of a parents' group, which keeps us informed about our child's academic progress and overall performance. This open communication enables us to remain engaged in their educational journey.

Overall, we are extremely feeling lucky with the university's dedication to academic excellence and comprehensive student development. We are assured that our child is receiving the finest education and preparation for a successful career.

Niketan Tyagi
Mother of Surya Pratap Tyagi.

Career Journey of an Alumnus



Shashwat Tripathi

It's not about having all the answers - it's about all having the right questions and knowing how and whom to ask them.

- Ben Woo '06

Tell us about yourself:

I am an alumnus of the **Manufacturing Technology** department from the **2012-16 batch and currently working as a postdoctoral researcher at Argonne National Laboratory in Chicago, IL, USA.** I carry out research on emissions quantification and reduction for different transportation modes, mainly: On-road, Off-road and Marine. My goal is to provide sustainable transportation solutions for the future that can help achieve a cleaner tomorrow by mitigating global warming and the adverse effects of climate change.

Tell us about your career journey:

I was born in the city of Varanasi, the spiritual capital of our country INDIA, and grew up in the campus of Banaras Hindu University (BHU), where my father worked as a Professor in the School of Biotechnology. After completing my schooling from St. John's School BLW in Varanasi, **I moved to Noida in 2012 for my Bachelor of Technology degree in Manufacturing Engineering. During this time, I became part of Team VEGA, our college's official motorsports team as well as carried out internships at Bharat Forge Ltd. in Pune (2015) and later at CSIR-Indian Institute of Petroleum, Dehradun (2016).** In Dehradun I carried out my final year research project and got the opportunity to give an oral presentation at the Power and Energy conference of the American Society of Mechanical Engineers (ASME) in 2016, held at Charlotte, NC, USA. Also, later in 2017 I got selected for the ASME Undergrad R&D Expo (Student Poster Competition) held at Tampa, FL, USA.

Upon completion of my B.Tech., **I moved to France in 2017 to carry out my international masters in Transportation and Energy from INSA Hauts-de-France, Valenciennes, FRANCE.** During this I did an internship at a start-up on solar based charging solutions for Electric Vehicles. For the second year I joined the master's program in Fluid Mechanics and Energetics at ENSE3, INP Grenoble, France (2018), concluded by my thesis at the IFP Energies Nouvelles, Rueil-Malmaison, Ile-de-France, FRANCE (2018). At IFP I worked on predicting Octane Indices (OIs) of several kinds of transportation fuels using simulation results, avoiding the need to burn and test fuels experimentally.

Based on my growing interest in fuel and transportation research I decided to carry out my PhD in a related area. After applying at several leading organizations in my field, I got selected for PhD at the University of Science and Technology of China (USTC) with the prestigious ANSO scholarship of the Chinese Academy Sciences. **And later also got selected at the CMT Clean Mobility and Thermofluids at the Universitat Politcnica de Valencia (UPV), Valencia, SPAIN.** I decided to join UPV due to the COVID crisis at that time in 2020 and also because it was more focused on applied research which was of greater interest to me.

My PhD at UPV gave me the opportunity to work on projects with several industrial partners: Nissan, Aramco, Volvo, Repsol, Tusgsal, International Energy Agency (IEA), etc. In the second year of my PhD (2021) I got an offer to work for Renault Nissan Technology and Business Center India (RNTBCI) as a powertrain engineer. So I decided to continue my PhD as a distance one and join RNTBCI, since it was my childhood goal to work in a global automotive giant.

After working for a year, **I got an opportunity to work as a visiting researcher at the Clean Energy Research Platform of King Abdullah University of Science and Technology (KAUST) in Jeddah, Saudi Arabia.** So, I decided to leave RNTBCI and went to Saudi Arabia to continue my academic journey and finish my PhD. By the end of my stay at KAUST and after defending my PhD thesis in July 2023, I got the offer to join as a postdoctoral researcher at KAUST but also had an offer from the German Aerospace Center (DLR).

However later I also got the offer from the US Department of Energy's first national lab, Argonne National Laboratory in Chicago, IL, USA, to join as a postdoctoral researcher. This was a dream come true opportunity for me as it is the world's leading institute in my area of research, and I used to just wonder before if I could one day work at Argonne. It is the same lab where Enrico Fermi conducted the first controlled nuclear reaction and is the source of technology for almost every nuclear reactor developed around the world. The common NMC (Nickel Manganese Cobalt) chemistry for lithium-ion batteries was also invented at Argonne and several other futuristic pioneering research are being currently carried out. So, **I joined Argonne in 2023 and since then it has been a great time working here on projects with a global impact that are sponsored by the US Department of Energy (DOE), US Department of Transportation (DOT) and Aramco.**

The role JSS played in your career building

JSS gave me the initial platform to explore my interests and realize what I really wanted to do in life. **My initial association with Team VEGA, where we fabricated our own all-terrain vehicle (ATV) and participated in the BAJA Student India 2015 event was a career defining step.** It was a great experience as we learned how to work in a team of 30 to design an ATV, gather sponsorships, build the ATV and finally compete with it in a nation wide colligate event. Similarly, **JSS also has other teams/groups working on Google summer code, Hackathons, Robotics competitions, etc.** Such events are organized globally and thus participation in them helps to build your profile and get recognized internationally. So, for almost every field **JSS provides the exposure of such related activities to hone our skills, including technical, cultural and sports events.** I also would like to express my thanks to the then Principal of JSS, **Dr. K. Kamal, for supporting and allowing me to carry out my final year research project at CSIR-Indian Institute of Petroleum by staying in Dehradun for three months.** This support from him helped me to achieve something that wasn't done before in our college and even in our university at bachelor's level, i.e. to present at the global platform of ASME in USA. JSS students are also active in participating in different events held at other institutes, as a team or individuals, and come out with flying colors. Thus, if there is a zeal inside you to achieve something, **JSS can be the right steppingstone where you get opportunities and taste success before getting used to it and work harder to get more.**

A message for your juniors

My message to **my juniors is to never underestimate or refrain yourself from trying something.** Unless and until we don't try or knock on the door, there won't be any chance of succeeding or an opening. Society might be very inclined towards only those who study at a top government college, mainly the IITs. However, **I would like to tell you that if you keep working hard and try your best, we can reach even greater heights than most of the IITians.** My appeal to my juniors is to join me in working passionately to show the world that we too can be one of the best in our area and it doesn't matter if one is from a private or government college. What is more important is how badly you want something and to what extent you can push yourself to achieve that. Just try to do more than yesterday and less than tomorrow to ensure a constant growth in your life in every aspect. I also request all my juniors to follow their passion (whatever it may be) as then they won't feel the burden of the effort they need to put in and would rather enjoy the hard work. Just remember what our great ex-President, Dr. A.P.J. Abdul Kalam said, **"Dream is not something that you see in sleep, dream is something that doesn't let you sleep"**

Dr. Dhiraj Pandey, HoD, CSE & Allied Branches published two research papers in SCIE & Scopus indexed Journals; details are as follows:

1. Srivastava, A.K., Pandey, D. & Agarwal, A. Deep reinforcement Learning Based on Residual Convolutional Neural Networks and Drop Connect Long Short-Term Memory with Adaptive Feedback for Webpage Quality Classification. Wireless Pers Commun (2025). <https://doi.org/10.1007/s11277-024-11689-w>.
2. HRCM: An Approach using Blockchain Technology in Healthcare-Record Chain Management M., Jain, Megha, D., Pandey, Dhiraj. International Journal of Performability Engineering, 2025

Dr. Gunjan Varshney has been nominated as member, IEEE India Council -HTA(Humanitarian Technology Activity) Sub-committee -2025.

Dr. Gunjan Varshney has been selected as Chair, Innovation Challenge Track, IEEE YESIST-12-2025- an International technical project event.

Dr. Gunjan Varshney published a research paper in International Journal of Sensors, wireless communication and control , Bentham Science Publishers titled as "Smart Energy Solutions for Wireless Medical Sensor Networks: Modulation Optimization in IOMT for Medical Applications" (Scopus Indexed Journal) with DOI : <http://dx.doi.org/10.2174/0122103279344006250118155240>

Dr. Gayatri Shakya organized 5-day training program on organic farming for women farmers of KOT village, Dadri, Noida under the DST project in collaboration with Krishi Vigyan Kendra (KVK) in Chollas Dadri, Gautam Buddha Nagar UP from 03-02-2025 to 07-03-2025.



Dr. Gayatri Sakya organized a stall for "Organic vegetables of KOT Village farms" as an Entrepreneurship program of the Women under the DST project on 07-03-2025.





Invited Panelist:
Dr. Ved Pal was invited by Sharda Pharma Conclave 2K25- Innovation and collaboration Shaping the future of Pharmacy to 2K30 organized by Sharda School of Pharmacy, Sharda University Agra on March 8th 2025.

Dr. Anindita De was invited to present the Concept of a Proposal, in a Two-Day Conference (18-19 March, 2025), written under the able guidance of Dr. Praveen TK, Principal, College of Pharmacy on "Inhalable Carbon Nanotube (CNT)-Based TB Therapeutics for Cavitory HIV-TB: A Next-Generation Solution for TB Eradication and Diagnosis" in India Innovation Summit: Pioneering Solutions to End TB, a Conference organized (with GATE FOUNDATION, USA and INTERNATIONAL UNION UK) by ICMR-TB at Bharat Mandapam, New Delhi.



Industrial collaboration: College of Pharmacy, JSS University, Noida, coordinated a talk between Higher officials of JSSU and **Mr Sumeeth Sharma**, Associate Vice President Wipro Ltd., Noida to make the College of Pharmacy a Nodal Centre for Placement activity for Pharmacy Collages under JSSAHER, Mysuru as well as for JSSU, Noida. The College of Pharmacy also secured the Placement opportunities for Pharmacy students with Wipro during the talk.



Dr Richa Verma participated in 1st International Conference on Biomedical and Applied Clinical Sciences (BioMACS'25), organized by the School of Sciences, Woxsen University Hyderabad in collaboration with Swinburne University of Technology, Australia on 25th Feb 2025 to 28th Feb 2025.

Dr. Pratima Rajput presented a research paper titled " FRET enabled energy transfer in Coumarin-151 Laser dye coupled with Nitride Nanoparticles" at International conference on Physics and Chemistry of Materials (ICPCM-2025),Dehradun, India, 20-22 February 2025.

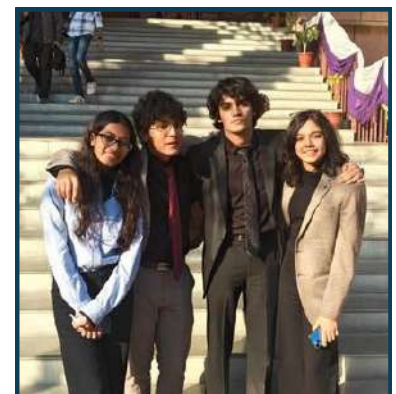
Mr. Deepraj Paul Published a research article in Springer Open: Deepraj Paul, Rohini Agrawal, and Mohammed Asif Iqbal. "An overview of endometriosis and molecular target-based therapeutic approach." Middle East Fertility Society Journal 30.1 (2025): 1-27. (Impact Factor: 1.6)

Dr. Nishi Sharma presented a research paper entitled ' Digital Literature: An Edge over Traditional Literary Forms,' at ICSSR sponsored International conference organized by CCS University Campus, Meerut on 27th March, 2025.



Shambhavi Shree, B.Tech-IT student participated in the 3rd International Conference on 'Advanced Functional Materials & Devices for Sustainable Development' at Atma Ram Santan Dharma College (affiliated with DU.)

Shaun Simon and his team secured Second Position at the ConvergeX Hackathon, 2024 held at JSS University, Noida competing against over 150 teams from various academic years.



SECURING NETWORKS AND DEVICES

Anshul Kanswal, Hardik Goel, Srishti Yadav, Vidyanshi Vajpai, and Yash Gupta—secured 3rd place at the Cybersecurity Bootcamp, CDAC Noida, for our project presentation on Cryptojacking



Yash Gupta (CSE-DS) and his team – Anshul Kanswal (CSE-AIML), Srishti Yadav (CSE), Hardik Goel (ECE), and Vidyanshi Vajpai (IT) secured **3rd place at CDAC-Noida**. As first-year students new to cybersecurity, they quickly adapted and focused on cryptojacking, building a project from scratch in just 7 days—a proud achievement for JSS University, Noida.

Team **FUTUREPRENEURS**— **Daarim Javed, Sameer Singla, and Aditya Agrawal** —from B.Tech CSE-DS, JSS University, secured Third Position at the Business Ideathon organized by the EDC Society during the Industry Conclave 2024 at JSS University, Noida, competing against teams from various academic years.



Utkarsh Srivastava, a B.Tech CSE-DS student, was selected as one of the 150 Global Ambassadors for **IEEE YESIST12 2025** — an international program by IEEE that focuses on innovation, technology, and sustainability. In this role, he represented our institution at the global level, promoted student involvement, and helped spread awareness about tech-based solutions for real-world challenges.

Selected as an Ambassador for IEEE YESIST12 2025!

Greetings from YESIST12 2025!

Congratulations! You've been Selected as an Ambassador for IEEE YESIST12 2025!

We're so happy you're joining. Your role is crucial in making this event a global success, and we can't wait to see the energy and creativity you'll bring. **Welcome to the team!**

We are excited to kick off this incredible journey with an Orientation Session designed to introduce you to your role, connect you with fellow ambassadors, and discuss upcoming initiatives.

Orientation Session Details

- Date: 17th March 2025
- Time: 10:30 AM to 12:00 PM (IST)
- Meeting Link: [https://www.linkedin.com/company/ieee-yesist12-2025](#)

Following this orientation session, all ambassadors will receive a comprehensive onboarding kit. This includes an official ID card, a welcome letter, and access to various resources and support.





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