

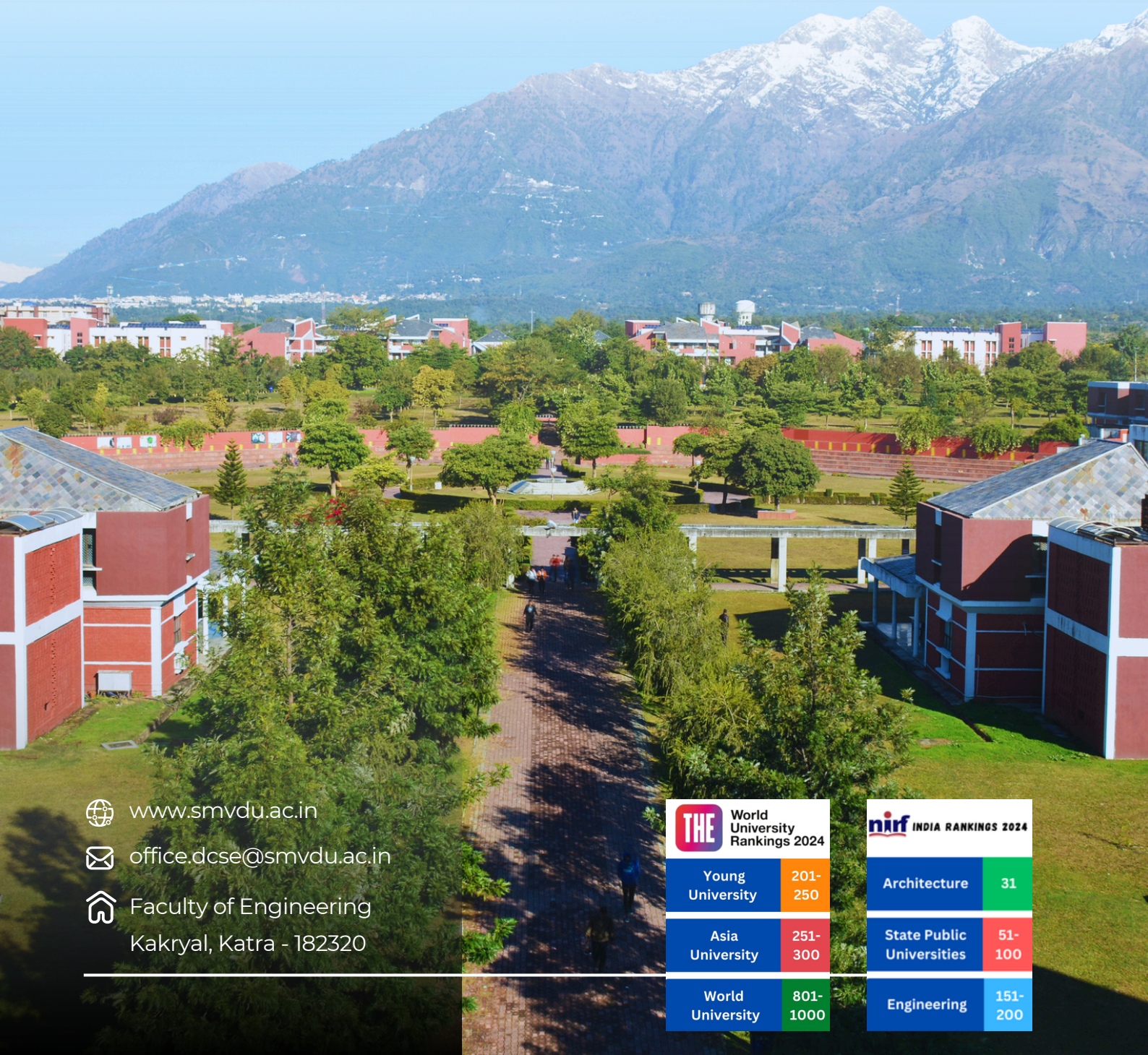



श्री माता वैष्णो देवी विश्वविद्यालय
SHRI MATA VAISHNO DEVI UNIVERSITY

SCHOOL BOOKLET

School of Computer Science & Engineering

Faculty of Engineering



 www.smvdu.ac.in
 office.dcse@smvdu.ac.in
 Faculty of Engineering
Kakryal, Katra - 182320

THE World University Rankings 2024	
Young University	201-250
Asia University	251-300
World University	801-1000

nirf INDIA RANKINGS 2024	
Architecture	31
State Public Universities	51-100
Engineering	151-200

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ABOUT OUR SCHOOL

The School of Computer Science & Engineering at Shri Mata Vaishno Devi University is dedicated to providing a superior standard of education in the field of computer science. Recognizing the need for experts in the highly competitive global industrial market, the school offers comprehensive B.Tech, M.Tech, and Ph.D. programs. These programs are meticulously designed to cover the breadth and depth of Computer Science & Engineering, cultivating robust theoretical knowledge and practical skills among students. With a strong commitment to research and innovation, the school prepares its students to become future leaders and trailblazers in the evolving landscape of computer science and engineering. This blend of rigorous academics and an emphasis on cutting-edge research makes it an outstanding institution for computer science education.

The School of Computer Science & Engineering at Shri Mata Vaishno Devi University is dedicated to nurturing the next generation of tech leaders and innovators. With a comprehensive range of programs, including B.Tech, M.Tech, and Ph.D., the school provides an exceptional blend of academic rigor and practical training. Students are immersed in a curriculum designed to cover both foundational concepts and advanced topics, empowering them with the skills needed to excel in a competitive global tech landscape.



VISION

To provide quality human resource equipped with technical expertise in Computer Science and Engineering to the world that are competent in solving the problems in industry and society and have high moral and ethical values.

MISSION

- 01** To have a program and value system appropriate to the pursuit of Computer Science and Engineering to meet the needs of the society.
- 02** .To provide quality manpower equipped with technical expertise in the field of computer science engineering to global the world
- 03** To provide a liberal as well as a professional education so that each student acquires a respect for moral values, a sense of their duties as a citizen, a feeling for taste and style, and a better human understanding



BOUQUET OF PROGRAMMES

ABOUT US

The School of Computer Science & Engineering at Shri Mata Vaishno Devi University prides itself on its state-of-the-art laboratories, each equipped with the latest computer systems interconnected in a network. This advanced setup offers students a comprehensive platform to delve deep into the intricate concepts of computer science, fostering a seamless integration of theory learned in the classroom with practical applications.



B.TECH (4 YEARS)

A comprehensive undergraduate program designed to provide a strong foundation in computer science and engineering principles. It covers core areas such as Machine Learning, Artificial Intelligence, Data Analytics and Cloud Computing.

B.TECH LATERAL ENTRY (3 YEARS)

The B.Tech Lateral Entry program offers a fast-track route for diploma and B.Sc. holders, focusing on advanced engineering concepts and practical skills.

M.TECH (2 YEARS)

The Master of Technology in Computer Science & Engineering is a two-year postgraduate program designed for advanced study in computer science.

PH.D.

The Doctor of Philosophy in Computer Science & Engineering is a research-intensive program aimed at developing scholars and researchers who contribute to the advancement of computer science. Graduates are prepared for careers in academia, research institutions, and leadership roles in technology-driven industries.

SCHOOL FACILITIES

ACADEMIC FACILITIES

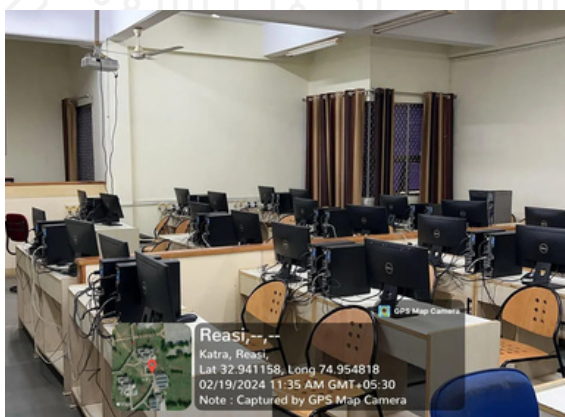
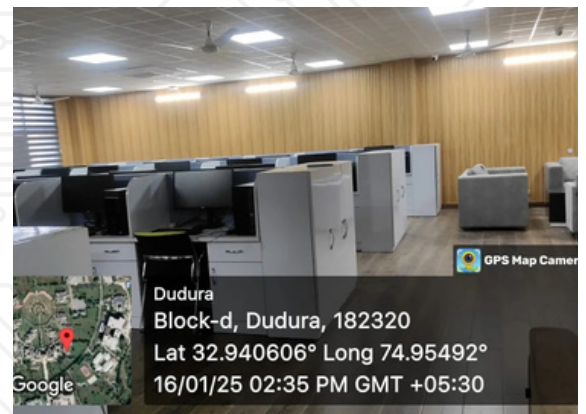
- High-standard classrooms and learning spaces equipped with state-of-the-art facilities
- Modern library with extensive collection of books, online resources, and study areas.
- Lecture and seminar rooms for lectures and presentations.
- Cutting-edge classrooms with modern technology to enhance the learning experience.



SCHOOL FACILITIES

LABORATORY FACILITIES

- High Computing AI-DL Lab
- Programming Lab
- Linux Lab
- Project Lab
- Basic Computing Lab
- Internet Lab
- DBMS Lab



OUR FACULTY PROFILE



Dr. Sunanda
Associate Professor & Head of School

Educational Background
Ph.D.; M.C.A.
Experience
19+ Years
Specialization
Algorithm Optimization , Nature Inspired Algorithms
Email
sunanda.gupta@smvdu.ac.in



Prof. Ajay Kaul
Professor

Educational Background
Ph.D.; M.Tech.; B.E.
Experience
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Specialization
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Dr. Baj Nath Kaushik
Associate Professor

Educational Background
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Prof. Manoj Kumar Gupta
Professor

Educational Background
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Dr. Naveen Kumar Gondhi
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Educational Background
h.D.(CSE); M.Tech.; B.E.
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18+ Years
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Network Management , Cloud Computing , Machine Learning
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Dr. Pooja Sharma
Associate Professor

Educational Background
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Experience
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Dr. Sakshi Arora
Associate Professor

Educational Background
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Dr. Archana Purwar
Associate Professor

Educational Background
Ph.D. CSE), M.Tech.(CSE), MCA
Experience
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OUR FACULTY PROFILE



Dr. Rohit Tanwar
Associate Professor

Educational Background
Ph.D. (CSE), M.Tech.(CSE),B.Tech. (CSE)

Experience
13+ Years

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Dr. Sonika Gupta
Assistant Professor

Educational Background
Ph.D, M.C.M., M.C.A.

Experience
20+ Years

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Dr. Vipal Sharma
Assistant Professor

Educational Background
Ph.d, M.tech.,B.tech.,

Experience
7+ Years



Dr. Deo Prakash
Assistant Professor

Educational Background
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Experience
16+ Years

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Mr. Manoj Kumar Verma
Assistant Professor

Educational Background
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Experience
20+ Years

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Mr. Sanjay Kumar Sharma
Assistant Professor

Educational Background
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Experience
23+ Years

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Mr. Anuj Mahajan
Assistant Professor

Educational Background
PhD. (Pursuing)
Mtech. (IT);B.tech (IT)

Experience
15+ Years

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Mr. Sudesh Kumar
Assistant Professor

Educational Background
M.E.;B.E

Experience
15+ Years

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FACULTY CORNER

(PATENTS)

ACADEMIC FACILITIES

The School of Computer Science is home to a distinguished faculty with expertise from renowned institutions in India. Combining academic excellence with practical experience in fields like AI, cybersecurity, and data analytics, they create a dynamic learning environment that equips students with industry-relevant skills.

Faculty members actively engage in cutting-edge research, consultancy, and publications, ensuring that their teaching reflects the latest advancements. Guest lectures by industry experts further enrich the curriculum, providing students with valuable insights into emerging trends.

PATENTS

- Title: Methods and systems for monitoring face posture
Filing No.; 202011048859
Filing/Publishing date/Grant date: November 09, 2020/ May 13, 2021/16 Nov 2023
Assignee: Shri Mata Vaishno Devi University
Author: Dr. Manoj Gupta

- Digital Antibiotic Vials Auger Filling Machine
Patent No.: Design number: 6319100
Date of Award: 20/10/2023
Date of Filing: 13/10/2023
Awarding Agency: UK Government
Status: Granted
Author: Dr. Baijnath Kaushik

- System and Method for Efficient Prediction of Evaporation using Ensemble Feature Selection Techniques
Patent Number: 202411001593
Date of Published: 02/02/2024
Date of Filing: 09/01/2024
Awarding Agency: Intellectual Property of India, Government of India
Status: Published
Author: Dr. Baijnath Kaushik

FACULTY CORNER

(RESEARCH PROJECTS)

RESEARCH PROJECTS

- Title: NPIU Sponsored Research Project” Automatic Estimation of Slope, Angle and Elevation of Roads Via Artificial Intelligence”

Agency: TEQIP Collaborative Research Scheme

Start/End:18th June 2019/ 30th September 2020

Author: Prof. Ajay Kaul

- Title: Mobile E- Learning Terminals

Sponsoring Agency: MHRD

Start/End: 2009/2010

Author: Prof. Ajay Kaul

- Title: Educational (enterprise) Resource Planning

Sponsoring Agency: MHRD

Start/End: 2008/2010

Author: Prof. Ajay Kaul

- Title: High-End Computing AI and Deep Learning Lab

Funding Agency: Higher Education Dept., JK Govt.

Start/End:8th March,2021

Author: Dr. Baijnath Kaushik

- Title: Trans-disciplinary Research and Innovation Hub

Funding Agency: JK Govt.

Start/End: 2021/25

Author: Dr. Baijnath Kaushik

- Title: NMEICT-”ERP Mission Project”

Funding Agency: MHRD

Start/End: August, 2010/31st March,2013

Author: Dr. Sonika Gupta

- Title: Payroll Software for finance section, SMVDU

Start/End: 2006

Author: Dr. Sonika Gupta



SOCSE MILESTONES



2004 | School Establishment

Since its inception in 2004, the School of Computer Science & Engineering at SMVDU has become a leader in technology education.



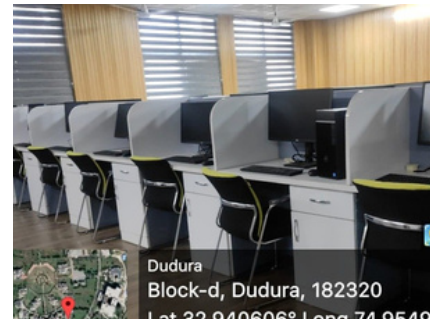
2008 | TITIKSHA Tech fest

In 2008, The annual technical festival, **TITIKSHA** was started that showcases student projects, workshops, and competitions, promoting innovation and technical skills.



2011 | Introduction of the M.Tech. Program

- The M.Tech (CSE) program began in the academic session of 2011-2012.



2013 | Establishment of New Research Laboratories

High-standard classrooms and learning spaces equipped with state-of-the-art facilities.



2022 | Code Club

everyone, regardless of branch or year, is heartedly welcomed in this club of creative nerds. All you need, is to be a curious keeda, a passion to learn and grow as a programmer, and a commitment to consistently solve problems. We believe (and so do a lot of top software engineers) that the best way to learn to write efficient and reliable computer programs is to be good at Data Structures and Algorithms (DSA). And that's what we focus on!



2024 | AI Club

The AI Club is a community of students passionate about Artificial Intelligence and its potential to transform the world. Our objective is to provide students with the resources, guidance, and opportunities they need to develop their skills and knowledge in AI technologies. They foster creativity, teamwork, and leadership, preparing members for exciting careers in tech.

STUDENT LIFE



Diverse Students

Our school boasts a dynamic and inclusive student body, representing over 18 states and union territories. This rich diversity fosters a vibrant learning environment, promoting cultural exchange and lifelong friendships among students.



Extracurricular Activities

Our students enthusiastically participate in a wide range of extracurricular activities, such as sports, arts clubs, and workshops, fostering creativity, teamwork, and personal growth.



Academic Excellence

The School of CSE at SMVDU prioritize academic excellence, with students demonstrating strong dedication to their studies. Many achieve top honors and secure placements in renowned universities and leading industries.



Community Service

Our students are dedicated to serving the community, actively engaging in initiatives like NSS, NCC, and other volunteer programs. They contribute their time and skills to create a meaningful impact both locally and globally.

Global Perspective

We inspire students to develop a global outlook by participating in cultural exchange programs, international collaborations, and educational trips. These opportunities expand their perspectives and equip them for a connected world.

SOCSE

TRAINING & PLACEMENT

COMMITTEE



Dr. Anuj Mahajan
Coordinator
Training & Placement Committee
Assistant Professor
anuj.mahajan@smvdu.ac.in

COORDINATOR'S MESSAGE

The Training & Placement (T&P) Cell is dedicated to bridging the gap between academia and industry, ensuring that students are well-equipped for their professional careers. We take pride in offering soft skills training, industry visits, field trips, summer internships, and placement drives, providing students with the necessary exposure and expertise to thrive in their chosen fields.

Working in close coordination with the Training & Placement Office (TPO) and Student Coordinators, we aim to facilitate a smooth placement process, connecting students with top organizations. Additionally, we actively document and showcase the accomplishments of our students and faculty, celebrating their excellence and contributions.

Our unwavering commitment is to guide and support students as they embark on their professional journeys. We look forward to another successful year of placements and industry collaborations.

KEY FEATURES

- SOFT SKILLS CLASSES
- INDUSTRY VISITS
- SUMMER TRAINING
- INTERNSHIPS
- FIELD VISITS



TRAINING & PLACEMENT COMMITTEE

A strong foundation is key to achieving excellence. The Training & Placement Committee of the School of Computer Science and Engineering at Shri Mata Vaishno Devi University plays a crucial role in preparing students for success in the competitive job market. By providing focused training, strategic guidance, and continuous support, the team effectively bridges the gap between academic learning and industry expectations.

KEY ACTIVITIES AND SERVICES

- PROFESSIONAL RESUME BUILDING & REVIEW
- ADVANCED INTERVIEW PREPARATION
- SKILL ENHANCEMENT & CERTIFICATION PROGRAMS
- STRATEGIC COORDINATION OF PLACEMENT DRIVES
- WORKSHOPS, SEMINARS & EXPERT TALKS



COMMITMENT

The Training & Placement Committee creates a nurturing and dynamic environment, equipping students with the skills and confidence needed to succeed in their careers. Working in close coordination with the Placement Committee, the team ensures that recruiters connect with highly prepared and proficient candidates, strengthening the School of Computer Science and Engineering at Shri Mata Vaishno Devi University's reputation for excellence.

KEY MOMENTS



VEDANT GOSWAMI

AIR-68 IN GATE 2022

Vedant Goswami's achievement of securing All India Rank (AIR) 68 in GATE 2022 in Computer Science and Engineering (CSE) is a testament to his exceptional academic dedication, technical proficiency, and problem-solving abilities.



PAARTH

AIR -07 IN GATE

Sub-Lieutenant **Ritwik Mishra**, a 2023 batch pass-out from the School of Electronics and Communication Engineering (SoECE), has been awarded the Chief of Naval Staff (CNS) **Gold Medal** during the Passing Out Parade held at the INA for his exceptional performance in the Naval Orientation Course.



AYUSHMAN TRIPATHI

SELECTED FOR GOOGLE SUMMER OF CODE 2023

Ayushman Tripathi's selection for Google Summer of Code (GSoc) 2023 is a remarkable achievement that showcases his exceptional coding skills, problem-solving abilities, and passion for open-source development.

ON CAMPUS PLACEMENT



Mitali Gupta
Ceasefire



Warnika Raina
Forbes Marshall



Hridyanshu Slathia
Planet Spark



Rishika Khajuria
Orange



Suryaansh Rai
Infosys



Ayushman Tripathi
MoFi (self placed)

OUR ALUMNI



Rajul Parsai
Cloud devops Engineer
Westpac Bank , Sydney



Shreya Anand
Senior Site Reliability
Engineer
Linkedin



Samarthya Gupta
TV Personality



Khushboo Gupta
Software Engineer
Google



Shamitta Dutta
Research Assistant
Concordia University



Aditya Sharma
Associate Software
Engineer
BeeperMD



Prabhav Dogra
Software Engineer
Blinkit



Adarsh Chauhan
Member Of Technical
Staff
Oracle



Chavi Abrol
Software Engineer
Tata Elxsi

OUR ALUMNI



Ayush Satyam
Associate Software
Engineer
Red Hat



Anant Agarwal
Lead salesforce
Technical consultant
Dentsu, sydney



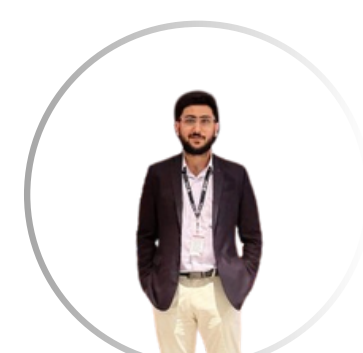
Tushar Kumar Singh
Software Developer
Engineer
Schneider Electric



Deepak Malhotra
Principal Technologist
Westpac Bank , Sydney



Vineet Mahajan
Machine Learning
Engineer
AfterShoot



Haren Chrungoo
Assistant Manager - Pre
sales
Karix



Hrishikesh Agarwal
Software Developer
Tata Elxsi



Prashant Pathak
Data Scientist
XLSScout



Harsh Garg
Software Engineer
Urban Company

OUR RECRUITERS





श्री माता वैष्णो देवी विश्वविद्यालय
SHRI MATA VAISHNO DEVI UNIVERSITY

Sub-Post Office, Katra, Jammu and Kashmir 182320

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School of Mechanical Engineering

Design Team

Mr. Deepankur Gupta, LA, SoECE
Mr. Devesh Pratap Singh Chauhan, 4th Year, SoECE
Mr. Utsav Manideep, 3rd Year, SoECE