- The Department has set up a Marico Centre for Women Empowerment (COWE) in Doon University with an aim to train the female students of the university in various technological areas.
- The Department organized two training programs (80-100 hours) on Data Analytics and Microsoft Powe BI for women's skill enhancement under COWE in collaboration Marico, Honeywell and ICT Academy in 2022 and 2023 respectively.
- The Department often organizes research seminars/guest talks of academic and industry persons to make the students aware of the open research challenges.
- The Department used to conduct expert talks and student development programs. In past various talks has been conducted by experts from MNIT Jaipur, FRI Dehradun, UNSW Canberra and industry persons from RCPL India, Marico and Microsoft.

Research in Computer Science

The Department of Computer Science aims to establish state-of-the research facilities to foster creative research work in diversified domains of Computer Science such as Cloud Computing, Cyber Security, Privacy and Forensics, Internet of Things, Block chain, Data Science / Big Data (Datamining), Wireless Networks, Machine Learning (Deep Learning), Image Processing, (Computer Vision), Natural Language Processing (NLP), etc. The faculties of Computer Science are engaged in research through international collaborations and are working on emerging research challenges.

Currently, the Department has established an Advanced Cyber Security Research (ACSR) lab to carry out cybersecurity-related research activities supported by projects funded by following national funding agencies:

1. Science and Engineering Research Board (SERB)-Department of Science & Technology (DST)
2. Data Security Council of India (DSCI)

Towards pursuing these projects, an **Advanced Cyber Security Research Lab** has also been established in the department.

Book Published

An authored book on **Cloud Security: Attacks, Techniques, Tools and Challenges** by the faculty of the department has also been published by reputed publication house Taylor & Francis.

Some Departmental Activities

- Expert talk on "Fundamentals of IoT Security and Advances using SDN"-Dr. Kallol Krishna Karmarkar, Research Lecturer, ACSRC, University of Newcastle, Callaghan, Australia
- Student development program on "Cyber Security-Awareness and Ethical Hacking"-Mr. Rahul Gupta- E&ICT Academy IIT Kanpur
- Student development program on "Data Analytics Workshop" by Mr. Sanjeev kumar, Instructor ICT Academy
- Student development program on "Microsoft Power BI" by Rohit Ranjan, Instructor ICT Academy
- Expert lecture on "Research terminologies and Reference Management using Mendeley"- Dr. Emmanuel S. Pilli|Associate Professor, MNIT Jaipur.
- Expert lecture on "Hypervisor-based Malware Analysis Techniques in Cloud Computing" by Dr. Preeti Mishra, Computer Science, Assistant Professor, Doon University.
- Expert talk on "Competitive Coding" under "Skill for Tomorrow" by Mr. Jeetendra Singh and Mr. Rajeev Gupta, RCPL India.
- Expert talk on "Cognitive and Non- Cognitive Skills"-Ms. Nandini Aggarwal(Finance Manager, Marico)and ICT Academy.
- Expert talk on " Communication and Resume Writing Skills" Divya Mestry(Senior CTI Officer, Marico) and Sumit Nayak(Senior Systems Officer, Marico).
- Seminar on "Data Analytics" by Mr. Sanjeev Kumar Prajapati, ICT Academy
- Expert lecture on "IoT Cloud Computing Security" by Dr. Preeti Mishra, Computer Science, Assistant Professor, Doon University.
- Expert lecture on "Biodiversity Informatics and Its Application with computer Science"- Mr. Neelesh Yadav, Scientist-E, Head of IT and GIS division, Forest research Institute
- Expert lecture on Intellectual Property Rights Mission(NIPAM), by Divyanshu Mishra , Indian Patents Office Delhi

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DOON UNIVERSITY DEHRADUN
Govt. of Uttarakhand

Department of Computer Science

ADMISSION OPEN
2023-2024

Link to fill the online application form:
https://doonuniversityadm.samarth.edu.in/

Last Date: June 01, 2023

New Programme Announcement
B. Tech (Computer Science & Engineering)
Merit based on JEE (main) score

Contact Us
Address: Room No.111-103(First Floor), Administrative Block, Doon University, Mothrowala road Kedarpur, P.O. Defence Colony, Dehradun 248001
Ph: 91-135-2533136, 91-135-2533115
Website: www.doonuniversity.ac.in

DOON UNIVERSITY
Department of Computer Science

About Us

Computer Science is a dynamic and rapidly growing area that has become an integral part of the world that we live in today. We are moving ahead with a world welcoming the era of Artificial Intelligence which has opened doors for various Job opportunities. All the industry domains now-a-days are connecting themselves with technological advancement, either it be an agriculture industry or healthcare, electronics, defense, transportation, security or any other, opening doors for career opportunities. Hence, on popular demand to pursue employment-oriented programmes, Department of Computer Science in Doon University came into existence in the year 2015 as a part of School of Physical Sciences. We are a growing Department, with an aim to impart quality education, theoretical as well as practical, in the field of Computer Science.

The Department offers following academic programmes as per NEP framework:

Applied Science programmes
- B. Sc. (Computer Science) hons- 3 years
- B. Sc. (Computer Science) hons with research- 4 years
- M. Sc. (Computer Science)- 2 years

Engineering Programmes
- B. Tech (Computer Science and Engineering) – 4 years
- M. Tech (Computer Science and Engineering) – 2 years

Doctoral Programme
Computer Science Domain (Cyber Security, Artificial Intelligence, Computer Vision, Internet of Things, Image Processing, Malware analysis, Blockchain technology etc.)

New Programme Announcement

B. Tech (Computer Science & Engineering) Merit based on JEE (main) score

Department	Programme	Duration	Intake	Mode of admission
Dept. of Computer Science	B. Tech (CSE)	4 Years (Full Time)	40	JEE(Main) Score

Eligibility Criteria

The admission in the academic program is subjected to fulfilment of the eligibility criteria. The University reserves the right to cancel the admission at any point of time, if the provided information by the candidate is found to be incorrect/ misleading.

Programme	Essential Qualifications
B. Tech (CSE)	Candidates must have passed 10+2 with Physics and Mathematics (Minimum 50 % marks) from a recognized Board of Secondary Education. (45 % for SC/ST from Uttarakhand).

Apply Online
Link to fill the online application form:
https://doonuniversityadm.samarth.edu.in/

Last Date*: June 01, 2023
*For any update visit this site: www.doonuniversity.ac.in

Fee Structure

(i) Common Fee (irrespective of academic programs):
1. Admission Fee (one time – non-refundable): Rs. 2000.00
2. Caution Money (One time-Refundable): Rs. 5000.00
3. Degree Fee (one time for one degree- non-refundable): Rs 750.00
4. University Magazine Fee (on annual basis): Rs 100.00
5. Student Council Fee (on annual basis) Rs 100.00

(ii) Hostel Fees: As per University rules.

(iii) Mess charges: Actual as per tender rates for food.
(iv) Tuition and other fees (per Semester): Amount in INR

Programme	Tuition Fees	Other Fees	Total
B. Tech (CSE)	40, 000/-	10, 000/-	50, 000/-

Process of Applying

i Candidates are required to fill the application form online through the link https://doonuniversityadm.samarth.edu.in/ available in the website of University. The last date of filling online form is June 01, 2023.

ii List of shortlisted candidates will be displayed on the website.

iii Reservation will be applicable as per the State Govt. Rules.

iv Candidates are advised to keep visiting the University website on regular basis for any update.

Application Fee

i. The candidates seeking admission are required to deposit application fee of Rs. 800/- (Rs. 400/- for Uttarakhand SC/ST candidates).

ii. Application fee shall not be refundable and no correspondence shall be entertained in this regard.

Important information

i. Final Admissions in the programmes will be subject to verification of necessary documents.

ii. For more information, please visit: https://doonuniversity.ac.in/index.php/admissions/download_prospectus

Salient Features

➡ The Department has highly qualified and committed faculty members who have earned their doctoral degrees from prestigious institutions such as IITs and NITs.

➡ Being a government university, the academic programmes are offered for a comparative low-fee as these are high in demand and very popular among other universities.

➡ The Department offers various elective subjects along with the core computer science subjects to enhance the knowledge/skillset of students in various emerging areas such as Natural language processing, Machine learning, Cloud Security, Cloud Computing, Cyber security, Computer Vision etc.

➡ The academic programmes not only focus on the core academics to strengthen the fundamentals of computational and mathematical ideas but also aim to promote the students towards the development of soft skills in foreign languages, project management, team work, etc.

➡ To bridge the gap between academia and industry, the Department has also initiated MoU with Oracle Academy, ICT Academy and Asia University of Taiwan etc., to conduct research-oriented training programs/seminars/workshops to open enormous number of pathways to the students.

➡ Our ultimate goal is to develop the skills of students to make them promising aspirants as a data scientist, cloud administrator, cloud analyst, application programmer, software engineer, creative coder, video game developer, systems analyst, cyber security expert, and many more roles.

➡ The Department of Computer Science is also working on digitization and software related to Academic Bank of Credit, DigiLocker, automation of admission and examination process etc. in accordance with the objectives of the National Education Policy 2020.

➡ The Department has initiated Earn While You Learn scheme (EWYL) with a view to give students hands-on experience, develop them for future jobs and encourage them for diversification of activities beyond the syllabus.