



# WOMEN INSTITUTE OF TECHNOLOGY



**Annual Report (2022 – 2023)**

# Table of Contents

Sr. No.	Title	Page No.
1.	<b>Introduction</b> 1.1 Foreword by the Director 1.2 About WIT 1.3 Vision and Mission	1-3
2.	<b>The Administration</b> 2.1 Board of Governors 2.2 Committees for Resolving Matters 2.3 List of All Committees	4-11
3.	<b>Academics</b> 3.1 Academic Report 3.2 Academic Progression 3.3 Scholarships	12-14
4.	<b>Brief Faculty Profile</b>	15-16
5.	<b>Activities</b> 5.1 Workshops, Webinars, Patents and Publications 5.2 Student Induction Program 5.3 Other Events and Activities	17-22
6.	<b>Placements</b>	23-26
7.	<b>Awards and Achievements</b>	27



# 1. Introduction

## 1. Foreword by the Director

We are proud to present the annual report of Women Institute of Technology (WIT), Suddhowala, Dehradun, Uttarakhand for the year 2022-23. This report summarizes the activities, progress and achievements of the institute over the last year with significant development in curricular as well as extra-curricular activities and the academia-industry interface. Several co-curricular activities such as online workshops and webinars were organized for the all round development of students. Efforts have also been taken to develop the personality of the students making them morally sound in nature with sensitivity towards social needs. Various pedagogical teaching methodologies have been implemented by the faculty, thus providing an effective and world-class learning environment. Classes and laboratories were held regularly in both online and offline mode so that the students do not suffer academically. We would like to extend our sincere thanks to the Board of Governors, faculty, staff, students, alumni and industry partners for their constant support and ongoing commitment to student success. We also appreciate the support of the Government of Uttarakhand and Veer Madho Singh Bhandari Uttarakhand Technical University.

We are committed towards achieving our vision of becoming a centre of excellence that provides high quality technical education to girl students developing them into self-reliant professionals.

**Prof. (Dr.) R. P. S. Gangwar**  
**Director**



## 2. About WIT

Women Institute of Technology, Dehradun was established in 2012 as an initiative to promote technical education among women in Uttarakhand. The Institute is affiliated to the Veer Madho Singh Bhandari Uttarakhand Technical University and is AICTE approved. It is noteworthy that WIT is the only women engineering college in Uttarakhand and is successfully achieving its goal of imparting quality education and holistic development of the girl students for almost a decade now.

The main idea behind establishing the Institute was to encourage women students from rural areas and making them self-reliant individuals & contribute in the development of the society. In this regard, WIT has shown immense progress with most students placed by the Placement Committee of the Institute last year. We provide result oriented pre-placement classes to help them achieve placements in established companies across the globe. Industrial exposure to students is given via Workshops, Expert Lectures, Field Trips and Industrial visits to improvise their global awareness and networking skills. The institute has well equipped library and laboratories that enable students all the resources required. It is a fully sanitized campus for the health & safety of the students

The functioning of the institute is governed by eminent personalities from different fields viz. academia, research, industry and administration. With their active guidance the institute is steered to achieve excellence and success.





## 1.3 Vision and Mission

### Vision

To establish the institute as one of the top self sustaining women centre of excellence for quality technical education by shaping budding technocrats to develop innovative demand driven services for the industry and community.




### Mission





- To empower women by offering quality technical education to develop the society.
- To develop technical skills, human values, interpersonal, and entrepreneurial skills among students with an aim to achieve financial independence.
- To bridge the gap between classroom teaching and practical implementation of technology.
- To conduct research and provide consultancy for revenue generation and enhance the competency of faculty and staff.
- To equip the institute with world-class facilities for R&D and to encourage awareness about the latest innovations in the field of technology.






## 2. The Administration


### 2.1 Board of Governors

S. No.	Name	Designation
1.	<p><b>Dr. Amita Dev</b> Vice-Chancellor, Indira Gandhi Delhi Technical University for Women, Govt. Of Delhi</p>	 <b>Chairperson</b>
2.	<p><b>Shree Ravinath Raman</b> IAS, Secretary, Dept. Of Technical Education, Govt. Of Uttarakhand</p>	 <b>Vice-Chairperson</b>
3.	<p><b>Prof. Onkar Singh</b> Vice-Chancellor, Veer Madho Singh Bhandari Uttarakhand Technical University, Dehradun</p>	 <b>Member</b>

4.	<p style="text-align: center;"><b>Shri R.P. Gupta</b> Director, Technical Education, Govt. of Uttarakhand</p>	 <p style="text-align: center;"><b>Member</b></p>
5.	<p style="text-align: center;"><b>Prof. K.K. Shukla</b> Director, National Institute of Technology, Jamshedpur</p>	 <p style="text-align: center;"><b>Member</b></p>
6.	<p style="text-align: center;"><b>Dr. Lalita Goyal</b> Principal Scientist, CSIR, New Delhi</p>	 <p style="text-align: center;"><b>Member</b></p>
7.	<p style="text-align: center;"><b>Shri Vikas Garg</b> Chairman, CII, Uttarakhand Council, Convener, Msine Panel C-II North India, Past President IIF.</p>	 <p style="text-align: center;"><b>Member</b></p>



<p><b>8.</b></p>	<p style="text-align: center;"><b>Shri R.K. Vishnoi</b>  Director  THDC India Ltd., Tehri</p>	 <p style="text-align: center;"><b>Member</b></p>
<p><b>9.</b></p>	<p style="text-align: center;"><b>Dr. Ajeet Singh</b>  Regional Officer &amp; Asst. Director WRO - Mumbai</p>	 <p style="text-align: center;"><b>AICTE Member</b></p>
<p><b>10.</b></p>	<p style="text-align: center;"><b>Shri Sandeep Jain</b>  Member of Managing Committee of Ph.D. Chamber of  Commerce and Industry, Ex Chairman CII, Uttarakhand  Council</p>	 <p style="text-align: center;"><b>Member</b></p>

<p><b>11.</b></p>	<p><b>Prof. (Dr.) R.P.S. Gangwar</b> Director, Women Institute of Technology, Dehradun</p>	 <p><b>Member Secretary</b></p>
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## 2.2 Committees for Resolving Matters

### **Committee for the Sexual Harassment of Women at Workplace**

As per the Sexual Harassment of Women at Workplace Act, 2013, a committee for the Sexual Harassment of Women at Workplace was formed having the following members:

- Dr. Ashish Bagwari, Assistant Professor
- Ms. Konika Mukherjee, Assistant Professor
- Mr. Deepak Kumar, Assistant Professor
- Mrs. Neetu Prajapati, Assistant Professor

The objective of this committee is to prevent discrimination and sexual harassment against women by promoting gender amity between students and employees.

### **Anti-Ragging Committee and Squad**

Women Institute of Technology has adopted the UGC regulation on “Curbing the Menace of Ragging in Higher Educational Institutions, 2009” for the academic year 2022- 2023.

#### ○ **Anti-Ragging Committee (ARC)**

Anti-Ragging Committee has the following members:

- Dr.R.P.S. Gangwar, Director
- SHO/SO Thana, Premnagar
- Mr. Mahesh Pant
- Mr. Abhijay Negi
- Dr. Shilpi Mittal Panwar, Assistant Professor
- Dr. Swati Singh Rajput, Assistant Professor
- Mr. Ayush Joshi, Assistant Professor
- Mr. Ravindra Pandey
- Ms. Chetna Awasthi, Student
- Ms. Ipsha Singh, Student

#### ○ **Anti-Ragging Squad (ARS)**

The objective of ARS is to work in dedicated manner for Anti-Ragging measures. The Anti-Ragging Squad has the following members:

- Dr. Swati Singh Rajput, Assistant Professor
- Mr. Ayush Joshi, Assistant Professor

### **SC/ST Complaints and Grievances Committee**

This committee has been constituted in the institute to resolve all the affairs and problems related to the SC/ST students of the Institute. The Committee comprises of the following members:

- Mr. Deepak Kumar, Assistant Professor
- Dr. Shilpi Mittal Panwar, Assistant Professor
- Mr. Hitanshu Katiyar, Assistant Professor

- Mrs. Neetu Prajapati, Assistant Professor
- Ms. Konika Mukherjee, Assistant Professor
- Mr. Bharat Singh

## 2.3 List of All Committees

- Training Placement Committee
- Student Welfare Committee
- Website, Internet Connection
- Technical, Academic & Cultural Committee
- Library Committee
- Sports Committee
- Medical Committee
- Admission, Registration & Publicity Committee
- AICTE/AISHE
- Purchase
- Store & Distribution
- Internal Problem Resolution Committee
- Maintenance
- RTI
- IEEE
- GATE Exam/Preparation/Employability
- I-Card/Scholarship
- Smart Class NPTEL/SWAYAM
- Media
- NBA
- Examination
- Girls Hostel
- Tinkering Lab
- Anti Ragging
- Discipline Committee
- Sexual Harassment
- SC/ST Committee
- Start-up
- CRS Project
- Village Visit/Social Activities
- Alumni Cell
- UHV Cell
- IPR Cell
- Anti-Drug Committee
- Skill Development & Sustainable Development Goals Cell



- Student's Induction Program Committee
- Students Counselor
- Internal Complaint Committee (ICC)
- In-House Committee
- Condemnation Committee
- Physical Verification Committee
- Grievance Redressal Committee

## 3. Academics

### 3.1 Academic Report

The total number of students studying in various engineering programs in WIT in the session 2022-2023 is 355. Total enrolments in the academic year 2022-2023 includes 60 seats in CSE and CE; 30 seats in ECE, ME, and EE for 1<sup>st</sup> year Regular students and the vacant seats along with 10% of the sanctioned seats for Lateral Year students.

#### Programmes offered and enrolments in the academic year 2022-2023

Sr. No.	B. Tech. Programmes	Registered
1.	Computer Science & Engineering	46
2.	Civil Engineering	03
3.	Electrical Engineering	01
4.	Electronics & Communication Engineering	11
5.	Mechanical Engineering	00
6.	Computer Science & Engineering (Lateral Entry)	5
7.	Civil Engineering (Lateral Entry)	24
8.	Electrical Engineering (Lateral Entry)	05
9.	Electronics & Communication Engineering (Lateral Entry)	06
10.	Mechanical Engineering (Lateral Entry)	00

#### Total Strength (Year-wise)

Year	Branch					Total
	CSE	ECE	ME	EE	CE	
1 <sup>st</sup>	46	11	00	01	03	61
2 <sup>nd</sup>	33	17	03	09	28	85
3 <sup>rd</sup>	49	4	02	5	41	101
4 <sup>th</sup>	46	12	06	11	31	107

### Total Strength (Branch-wise)

Sr. No.	B. Tech Programmes	No. of students
1.	Computer Science & Engineering	174
2.	Civil Engineering	103
3.	Electrical Engineering	25
4.	Electronics & Communication Engineering	42
5.	Mechanical Engineering	11
<b>Grand Total</b>		<b>355</b>

## 3.2 Academic Progression (Batch 2022)

WIT follows semester system (as per Veer Madho Singh Bhandari Uttarakhand Technical University) with continuous evaluation of the students enrolled in the B. Tech programs (Final year).

Sr. No.	Name of B.Tech. Programmes	Total Strength	Qualified	Pass (%)
1.	Computer Science & Engineering	39	37	94.87
2.	Civil Engineering	32	29	90.62
3.	Electrical Engineering	10	08	80
4.	Electronics & Communication Engineering	08	08	100
5.	Mechanical Engineering	08	07	87.5

### 3.3 Scholarships

- WIT students avail scholarships through National Scholarship Portal aided by State Government and AICTE.
- Various central schemes under the M/O Minority Affairs like Post Matric Scholarship Scheme for Minorities, Merit Cum Means Scholarships for Professional and Technical Courses are supported by our institute for the betterment of meritorious students.
- Other state schemes like Post Matric Scholarship for the OBC, SC and ST candidates of Bihar, Uttarakhand, Tripura, J&K, etc. are also channeled by our institute for the growth and development of category candidates.



## 4. Brief Faculty Profile

### Department of Computer Science & Engineering

Name of Faculty	Designation	Educational Qualification
Dr. Ankur Dumka	Associate Professor & In-Charge	Ph. D. (UTU, Dehradun) M. Tech. (UTU, Dehradun) B. Tech. (GKV, Haridwar)
Ms. Neetu Prajapati	Assistant Professor	M. Tech. (NIT, Hamirpur) B. Tech. (BTKIT, Dwarahat)

### Department of Civil Engineering

Name of Faculty	Designation	Educational Qualification
Dr. Swati Singh Rajput	Assistant Professor & In-Charge	Ph. D. (IIT, Roorkee) M. Tech. (IIT, Roorkee) B. Tech. (GBPUA&T, Pantnagar)
Mr. Aayush Joshi	Assistant Professor	Ph.D. (NITUK – Pursuing) M. Tech. (UTU, Dehradun) B. Tech. (DIT, Dehradun)

### Department of Electrical Engineering

Name of Faculty	Designation	Educational Qualification
Mr. Krishan Chandra Mishra	Assistant Professor & In-charge	Ph.D. (UTU, Dehradun - Pursuing) M. Tech. (UTU, Dehradun) B. Tech. (UTU, Dehradun) Diploma in EE (UBTER, Roorkee)

### Department of Electronics & Communication Engineering

Name of Faculty	Designation	Educational Qualification
Dr. Ashish Bagwari	Assistant Professor & In-Charge	Ph.D. (UTU, Dehradun) M. Tech. (GEU, Dehradun) B. Tech. (H.N.B. Central University)
Mr. Krishan Chandra Mishra	Assistant Professor	Ph.D. (UTU, Dehradun - Pursuing) M. Tech. (UTU, Dehradun) B. Tech. (UTU, Dehradun) Diploma in EE (UBTER, Roorkee)



Mr. Hitanshu Katiyar	Assistant Professor	Ph.D. (UTU, Dehradun - Pursuing) M. Tech. (GBPEC, Pauri) B. Tech. (GEU, Dehradun)
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### Department of Mechanical Engineering

Name of Faculty	Designation	Educational Qualification
Mr. Deepak Kumar	Assistant Professor & In-Charge	Ph.D. (NIT, Kurukshetra- Pursuing) M. Tech. (NIT, Jalandhar) B. Tech. (UTU, Dehradun)
Dr. Ankita Bisht	Assistant Professor	Post-Doc. (CCM, USA – Pursuing) Ph.D. (IIT, Roorkee) M. Tech. (GBPUAT, Pantnagar) B. Tech. (GBPEC, Pauri)

### Department of Applied Sciences

Name of Faculty	Designation	Educational Qualification
Dr. Shilpi Mittal Panwar	Assistant Professor & In-Charge	Ph.D. (UTU, Dehradun) M.B.A. (HNBGU, Dehradun) B.B.A. (HNBGU, Dehradun)
Ms. Konika Mukherjee	Assistant Professor	M. A. (DU, New Delhi) B. A. English Hons. (DU, Delhi)

### Department of Library

Name of Dy. Librarian	Post	Educational Qualification
Mrs. Ashmita Raturi	Deputy Librarian	MLIS (UPRTOU, Allahabad) M.Sc. (HNBGU) BLIS (MCNUJC, Bhopal) B.Sc. (HNBGU)

### **Finance Department**

<b>Name of Finance Officer</b>	<b>Post</b>
Mrs. Ruchika Tiwari	Finance Controller

### **Administrative Staff**

<b>Name</b>	<b>Post</b>
Mr. Nagendra Singh Negi	Personal Assistant to Director

# 5. Activities

## 5.1 Workshops, Projects, Patents and Publications

- Research paper: 20 SCI indexed journal, 7 SCOPUS indexed journal, 29 conference papers
- Patents: 12 Indian patents granted.
- Projects: Dr. Ankur Dumka, Associate Professor, P.I. for UCOST project sanctioned in January 2022 for 2 years (funded with sum of ten lakh four thousand one hundred fifty only) titled "**Design and Development of an IoT enabled device for monitoring mosquito prone areas in Uttarakhand**" is under progress.
- Dr. Ashish Bagwari, InCharge, ECE Department edited a book titled "**Advanced Wireless Communication and Sensor Networks: Applications and Simulations**", ISBN:978-1-0323-4718-9, published by Chapman and Hall/CRC Press, Taylor & Francis Group, UK.
- Dr. Ankur Dumka, Associate Professor chaired the DISTF conference, TPC chair (ASCIS-2022) International springer conference, TPC co-chair (AICTC-2022) Springer International conference, 5 keynote session, 3 session chair in International Conference.
- Dr. Ankita Bisht, Assistant Professor, Mechanical Department was selected for Post-Doc position at Centre of Composite Materials, University of Delaware, USA and is currently pursuing the same.

## 5.2 Student Induction Program

Women Institute of Technology organized 21 days Induction program in November 2022 (as per AICTE norms) for new admissions. The purpose of the induction program is to help new students adjust and feel comfortable in the new surroundings. It builds a bond between new students and faculty members.

At the start of the induction, the students learnt about the institutional policies, processes, practices, culture and values, and their mentor groups were formed. Various sessions and activities were conducted which are listed below:

1. Universal Human Values: Committee organized sessions on Universal Human Values where ethical engineering and sensitivity towards the humanity was discussed with students.
2. Familiarization with the College: The new students were informed about the credit system, and examinations. They were taken on a tour of the college and shown important places like library, canteen, laboratories, workshops and other facilities.
3. Expert Lectures: Lectures by eminent people were organized for developing the performance efficiency, confidence and vision of the students.
4. Language Diagnostic Test: Language Diagnostic Test was conducted to assess the fluency and communication skills of newly enrolled students.
5. Physical Activity: This involved a daily routine of physical activity with daily yoga classes, different games and sports for the students to enhance “team-work” attribute and maintain good health.
6. Cultural Events: Committee planned cultural events (on the last day of the induction program) to welcome new students and celebrate the new steps in their life.



**(Yoga Session)**



**(Sports Session)**



**(Session on Sexual Harrassment Awareness)**



**(Anti Ragging Awareness)**



**(Fresher's Interaction, 2022)**



## 5.3 Other Events and Activities



(Independence Day, 2022)



(Himalayan Diwas, 2022)



(IEEE Day, 2022)



(Expert Lecture by Er. Mohit Kumar & Er. Shreshtha Singh, Qualcomm Sr. Engineers)



(Felicitation on Engineer's Day, 2022)



(Unity Day, 2022)





**(VMSBUTU Volleyball Tournament Winners, 2022)**



**(Quiz Competition)**



**(Chiraag: Diwali Fete 2022)**



**(On-Campus Placement Drive, 2022)**



**(Republic Day, 2023)**





**(HCL Pre-Placement Session, 2022)**



**(Blanket Donation Drive by WIT Rotaract Club)**

**(Special session on Gender Equity & Quality Technical Education by Ms. Prapti Wadhwa)**



**(Shri Ravinath Raman, IAS, Secretary, Technical Education, Govt. of Uttarakhand refunds the fees of Harshita Sharma, ECE, IVth Year)**



**(Khelo India 2023 organised on the occasion of International Women's Day)**





**(Hon. Director Sir with Winners of Kauthig-2023)**



**(WIT students felicitated by Shree Subodh Uniyal & Hon. VC, VMSBUTU)**



**(Shree Ashok Kumar, DGP, Uttarakhand at the Inauguration Ceremony of Kauthig 2023)**



**(WIT Team at Kauthig-2023)**



## 6. Placements

At WIT, we are passionate about all round development of students which facilitates their recruitment in reputed companies. The institute aims at inviting companies that offer attractive pay packages. In the session 2022-2023, various companies visited our institute for campus placement. Our students also participated in pool campus in different institutes of Dehradun.

### List of companies in which students participated for recruitment

Accenture	Himalayan
Airblack	Infosys
Byju	IBM
Capgemini	Jair network and services pvt. Ltd.
Collabera- HCL	Kellton Tech Solutions Ltd.
Continental Engines	Minda Corporation Ltd.
EigenRisk	Orange
Ernst & Young	Smart Brains- HCL
EVON Technologies	Tech Mahindra



Flexinovus	TCS
HCL	Wipro

## Placement Record 2022-2023

S.No.	Name of the Company	No. of students placed	Name of the Students Placed	Package LPA
1.	Daffodil	1	Kavita Pant – CSE	5.1
2.	Codestore	3	Kavita Pant – CSE Lakshita Rikhari – CSE Meenakshi Joshi - CSE	5
3.	Learning Routes	2	Rashmi Negi - CSE Anushka Bisht - CIVIL	5.7
4	Big Oh Tech	5	Lakshita Rikhari – CSE Isha Chand – CSE Meenakshi Joshi - CSE Anushka Painuli – CSE Harshita Sharma - ECE	4.5 -5.2
5.	Argusoft	1	Anushka Painuli - CSE	6.50 - 7.12
6.	Orange	6	Harshita Sharma – ECE Virkien – CSE Kaniska Dobriyal – ECE Ritu Kainthola – ECE Takshika Gautam – ECE Oshvi Upadhyay – ECE	5

7	HCL	18	Naina prajapati -ME Harshita Sharma – ECE Rachana – CIVIL Akanksha Rawat – CIVIL Nikhil Rawat – CIVIL Vandana Gusain – CSE Shivangi Gautam – CSE Parul Marwah – ME Shruti Dohare – ME Urvashi – CSE Virkiem – CSE Himani pant – CSE Nazma Ansari – CIVIL Neha Kohli – CSE Muskan Gupta – EE Tanya Bisht – CSE Neha Fular – CSE	2.2,5
8	Hike education	2	Nikhil Rawat – CIVIL Virkiem - CSE	6.42
9	Webkul	1	Garima Sharma - CSE	3.6
10.	Ethics Infotech	1	Nibha Tyagi	4.5
11.	Ericsson	2	Urvashi - ECE Laxmi Chauhan ECE	4.5
12.	Sparks Minda	2	Charu Tyagi – ECE Aasma Ansari - ECE	4.5

## 7. Awards and Achievements

- Dr. Ankur Dumka received Guru Shrimoni Award 2022-23.
- Received “Dr. A.P.J. Abdul Kalam Life Time Achievement National Award-2022” from National Institute for Socio Economic Development (NISED), Bangalore, India in June 2022.
- Swati Singh Rajput, Incharge, Civil Department & Mr. Aayush Joshi, Assistant Professor, Civil Department coordinated the Intellectual Property Awareness program for the students of Women Institute of Technology Dehradun under the National Intellectual Property Awareness Mission on 21<sup>st</sup> October 2022.
- Dr. Shilpi M. Panwar, Incharge, Applied Science Department, Ms. Konika Mukherjee, Assistant Professor, Applied Science Department & Ms. Neetu Prajapati, Assistant Professor, Computer Science Department organized one day workshop for 3<sup>rd</sup> and 4<sup>th</sup> year students with ColoredCow.
- Civil Engineering Department successfully started the work on the development of two new Labs i.e. Concrete Lab and Simulation Lab.
- WIT students won the Runner-Up Position in Athletics and Cultural Competition at Kauthig-2023 organised by Veer Madho Singh Bhandari University.
- WIT students were selected for North Zone Volleyball Tournament, 2022 at Chitkara University.
- Ms. Shruti Dohare, Mechanical Engineering, Ms. Shelly Mogara, Civil Engineering, Ms. Nikita Arya, Civil Engineering, and Ms. Anushka Painuly, CS Engineering will receive an amount of 10,000/- Rs. for clearing GATE 2023.



(Ms. Shrutika Dohare, ME)



(Ms. Shelly Mogara, CE)



(Ms. Anushka Painuly, CSE)



(Nikita Arya, CE)



