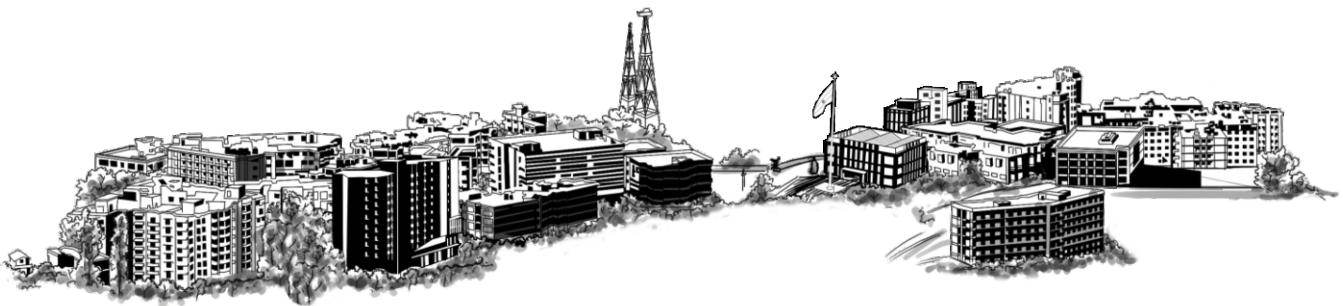


Annual Report 2020-21



DIT University
Mussoorie Diversion Road, Makkawala Green Dehradun,
Uttarakhand, India, www.dituniversity.edu.in

Kulgeet

हिम शिखरों के मध्य बसा छोटा सा कुल है अपना
प्रकृति के पावन आँचल में अंगड़ाई लेता इक सपना
जहाँ ज्ञान वृक्ष की छाया में होता अंतर्ज्ञान है
उस पुण्यभूमि का नाम डी आई टी संस्थान है

सरस्वती माँ का वंदन जहाँ नित होता आया है
जिसके छात्रों ने समाजहित हेतु संकल्प उठाया है
देश हित कुछ करने का सपना भरता जहाँ उड़ान है
उस कर्मभूमि का नाम डी आई टी संस्थान है

गुरु शिष्य की परम्परा को जहाँ निभाया जाता है
हर जातिधर्म के भेदभाव को जहाँ भुलाया जाता है
जिस कुल के प्रत्येक निवासी को मिलता उचित सम्मान है
उस धर्मभूमि का नाम डी आई टी संस्थान है

वसुधैव कुटुंबकम का मूल मंत्र जहाँ सिखाया जाता है
कर्तव्यों और मानव मूल्यों का पाठ पढ़ाया जाता है
सर्वे भवन्तु सुखिनः जहाँ होता गुंजायमान है
उस ज्ञानभूमि का नाम डी आई टी संस्थान है

विश्व स्तर पर उच्च शिक्षा का परचम लहराएँगे
अनुसंधानों के बल पर स्वर्णिम भविष्य ले आएँगे
जो वैश्विक स्तर पर श्रेष्ठ गुणवत्ता का देता सदा प्रमाण है
उस अध्ययनभूमि का नाम डी आई टी संस्थान है

Message from the Chairman



Learning at DIT University is all together a transformative experience that combines intellectual growth with deep practical knowledge and development of personality through various co-curricular activities. The University is established with the objective of nurturing excellence in every student through an experienced faculty, world class infrastructure at the campus which is set in beautiful and secure environment.

The COVID-19 has dramatically changed the dimension of education and is undertaken remotely and on digital platforms. At DIT University, we ensure the unstoppable teaching-learning even in current difficult times. We take immense pride in grooming and providing future leaders to India and the world.

As the chairman of the Board of Governors, DIT University, I acknowledge the contributions of Faculty and Staff for their untiring efforts to make the academic year 2020-21 significant in all respects and we continue the pursuit of excellence with dynamism.

Jai Hind
Anuj Aggarwal

Message from the Chancellor



The academic year 2020-21, amidst the pandemic faced a new set of challenges. In the current times, I would like to concede the commitment and dedication of our faculty, students, and staff, as well as the alumni and parents who continue to adapt and change during these tough times of uncertainty.

Reflecting the academic year in the report should leave DIT community feeling proud, while at the same time excited in anticipating what more we can accomplish in the years ahead. United by a deep sense of commitment, we will continue to deliver an exceptional teaching-learning experience while finding new opportunities to create an even stronger community.

Let us continue to work together for the betterment of DIT community.

Jai Hind
N. Ravi Shanker

PREFACE

DIT University has completed twenty-three years of its excellence in Higher Education. This annual report outlines activities and achievements of all the schools, centers and students' clubs for the academic session 2020-21. Although, COVID pandemic has brought numerous challenges but we continue to fight with full commitment towards timely completion of all assessments of academic session 2020-21 along with regular counseling sessions to maintain the physical & mental health of all stake holders. Over 400 staff and their family members got vaccinated for free under the COVID vaccination drive in the campus.

University ranked amongst the Top 50 private Universities in India. School of Architecture & Design ranked 2nd in the Category of Excellence in India by GHRDC Architecture Colleges Survey 2021. In addition, University received Aspiring Minds National Employability Award 2020 for 7th consecutive year. This year, on 4th convocation ceremony of the University, 1434 students were awarded degrees through LIVE Streaming.

The uninterrupted teaching & learning kept on going through online with routine webinars, recorded lectures, interactive seminars etc. It has been rewarding to observe the resilience of our faculty, students and staff, who are working tirelessly to find innovative ways to teach and learn in these challenging times. To synchronize with the demands of modern technical world, University have taken viable steps to bridge the gap between the industry and academic-learning, by industrial collaborations, expert lectures, sponsored research projects, hands on workshops, and other similar activities.

A centre of excellence "Artificial Intelligence & Robotics" also established in this academic session to accelerate the research work in the area of Artificial Intelligence & Robotics. To conduct higher research in pharmaceutical field an advanced Molecular Pharmacology Lab is inaugurated this year. Apart from the scientific contribution, the NCC and NSS cell of the University continue to undertake the charge to aid the society as corporate social responsibility.

Alumni Association came forward for social cause by launching a special drive 'Mission Life Line' to support the people in need. Under the drive, medical kits, sanitizers, and meals have been distributed to the needy and deprived ones.

I extend my gratitude to the Chairperson and members of statutory bodies of the University for their unconditional support and guidance. I wish to express my special thanks to Dr. Mandeep Kumar Arora [Associate Professor, SoPPHI] for his full support at various stages in bringing out this issue of Annual Report. Contributions of Dr. Kuldeep Choudhary [Assistant Professor, SoET], Dr. Shachi Negi [Asst. Professor, Department of Humanities], Ar. Purnima Verma [Assistant Professor, SoAD], Dr. Ranjit Ranjan [Assistant Professor, SoC] and Dr. Anil Kumar Thakur [Associate Professor, SoPS] for preparation of Annual Report 20-21 are also appreciable.

Dr. Rama Sushil, Professor, School of Computing
Chairperson, DITU Annual Report 2020-21

Highlights of the Academic Year 2020-21

1. CAREERS 360 RANKING 2021

DIT University ranked amongst the Top 50 Private Universities in India.

2. GHRDC ARCHITECTURE COLLEGES SURVEY 2021

School of Architecture & Design ranked 2nd in the Category of Excellence in India.

3. ASPIRING MINDS NATIONAL EMPLOYABILITY AWARD 2020

Conferred amongst Top 10% Colleges in Uttarakhand to excel in AMCAT for 7th consecutive year.

4. ESTABLISHMENT OF TWO NEW CENTRE OF EXCELLENCE

Internet of Things and Artificial Intelligence & Robotics

5. IMPLEMENTATION OF FULLY FLEXIBLE CHOICE BASED CREDIT SYSTEM (FFCBCS)

6. PUBLICATIONS (Journals)

Eighty-five research papers published in SCI/Scopus/Web of Science.

7. PUBLICATIONS (Conference Proceedings)

Thirty-six research papers published in conference proceedings.

8. PATENTS (Granted) - 02

9. PATENTS (Published) - 07

10. BOOKS / BOOK CHAPTERS (Published)- 26

11. Five research projects of 50.64 lakhs completed, funded by:

SERB- DST/DRDO/TEQIP-UTU/DIT-seed money/ACYP-NEST.

12. Ten research projects of amount 330.99 lakhs submitted to SERB-DST

13. Ten faculty members recognized/awarded by various National/International research/academic bodies.

14. A total sum of 35.46 lakhs scholarship granted to 254 students.

15. Do NGOate, startup secured first rank in a National Level Competition.

16. Six academic collaborations/MoU's signed in this academic year.

17. Thirty-five Conference/Seminar/Workshop/FDP Organized and forty-one

Webinars organized by DITU.

18. 3000 E-resources added to Central Library.

19. Top five recruiters of this academic year-

Infosys, Birlasoft, L&T technology services, Cognizant, TCS.

INTRODUCTION

DIT university's lush green campus on Mussoorie Road, Dehradun enables young minds to envision and create fresh ideas and explore new possibilities was established with commitment to produce responsible citizens and wise leaders. Journey was started in 1998, as "Dehradun Institute of Technology", achieved the status of University duly approved by Govt. of Uttarakhand vide Act No.10 of 2013 dated 15th February 2013 and is recognized by UGC under Section 2(f) of the UGC Act, 1956.

Vision

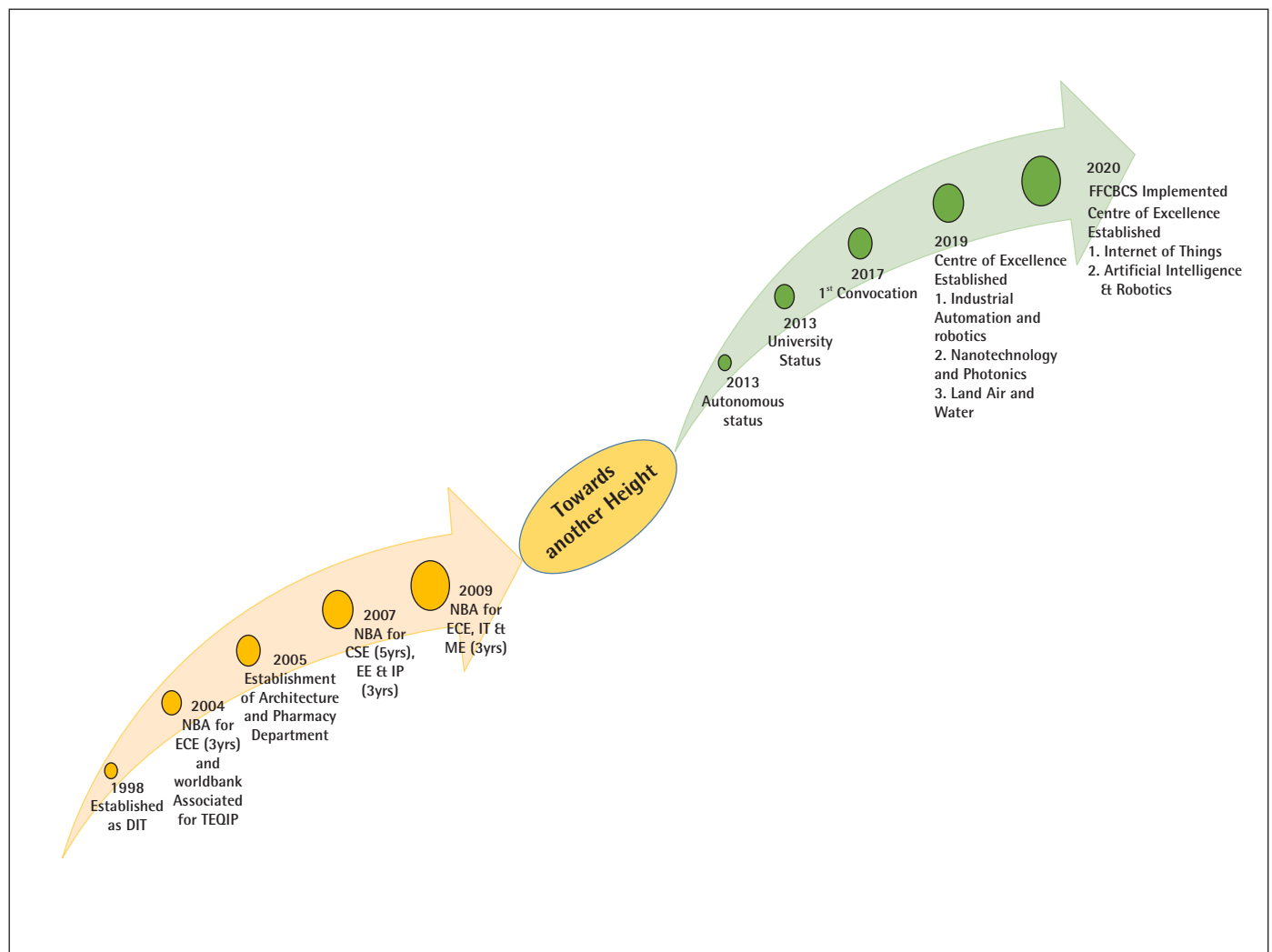
- To be a world class professional University, constantly striving for excellence in education by high quality teaching in synchronization with the industry needs.
- To be driven by the spirit of ground breaking research and entrepreneurship.
- To instill each student qualities of mind and character necessary for good citizenship and wise leadership.

Mission

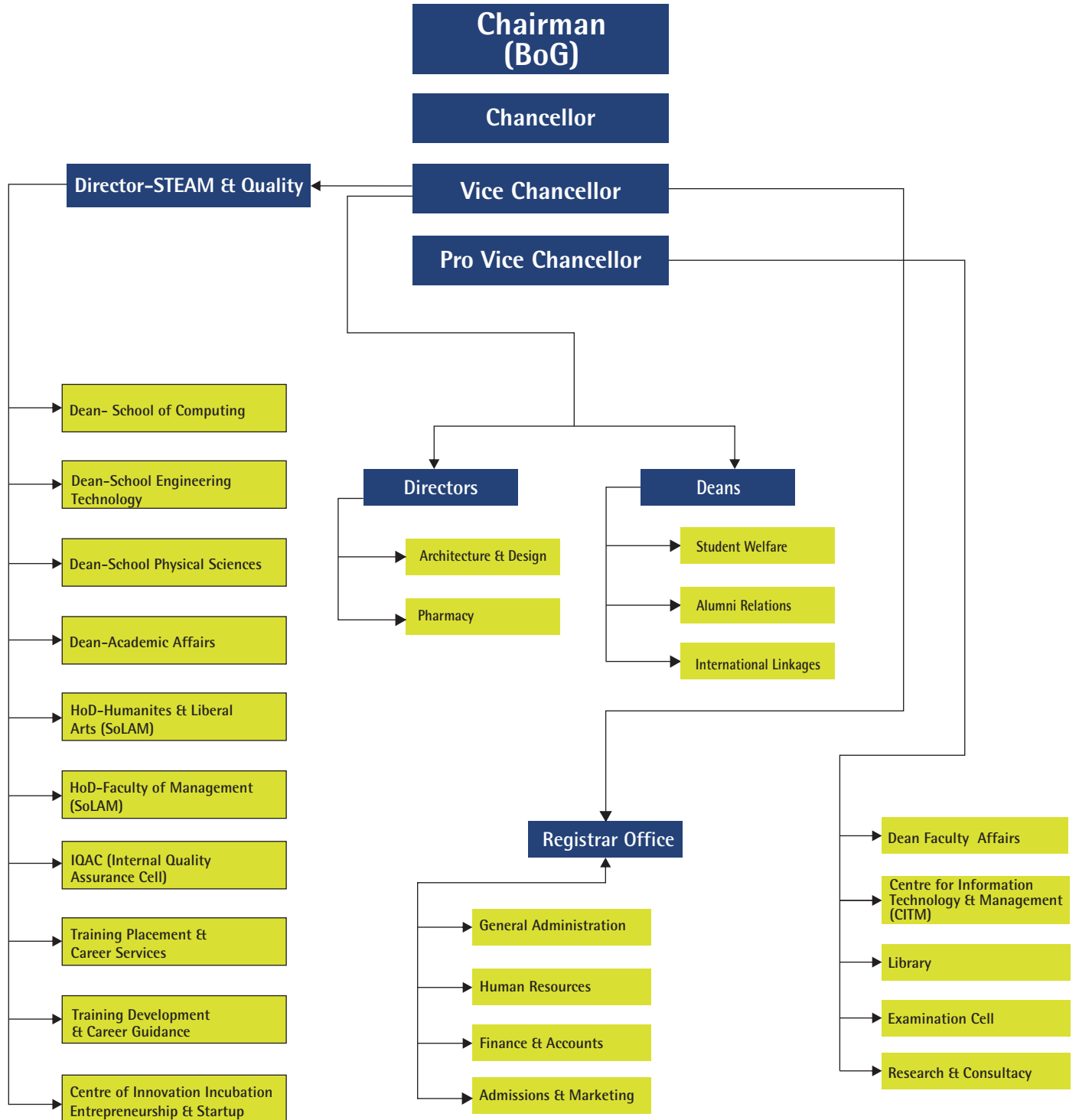
- To put our students first and work responsibly with honesty, transparency and integrity to influence, inspire and nurture talent for our students, and the members of faculty and staff.
- To encourage creative ability and research temperament.
- To provide knowledge based technological services for industry and society.
- To synergize the teaching learning process through active interaction with industry and academia whilst embracing modern technological changes.

Our holistic, interdisciplinary approach towards teaching and research, while maintaining global standards of academic excellence at DIT University are an asset to help students gain a world-class degree built around students' interests and goals.

Many significant milestones have been achieved over the last 23 years DITU has approximately 21,500 alumni working at higher position in various professions as well as serving society all across the world. More than 270 highly competent faculty members, mentoring the students with a holistic approach.

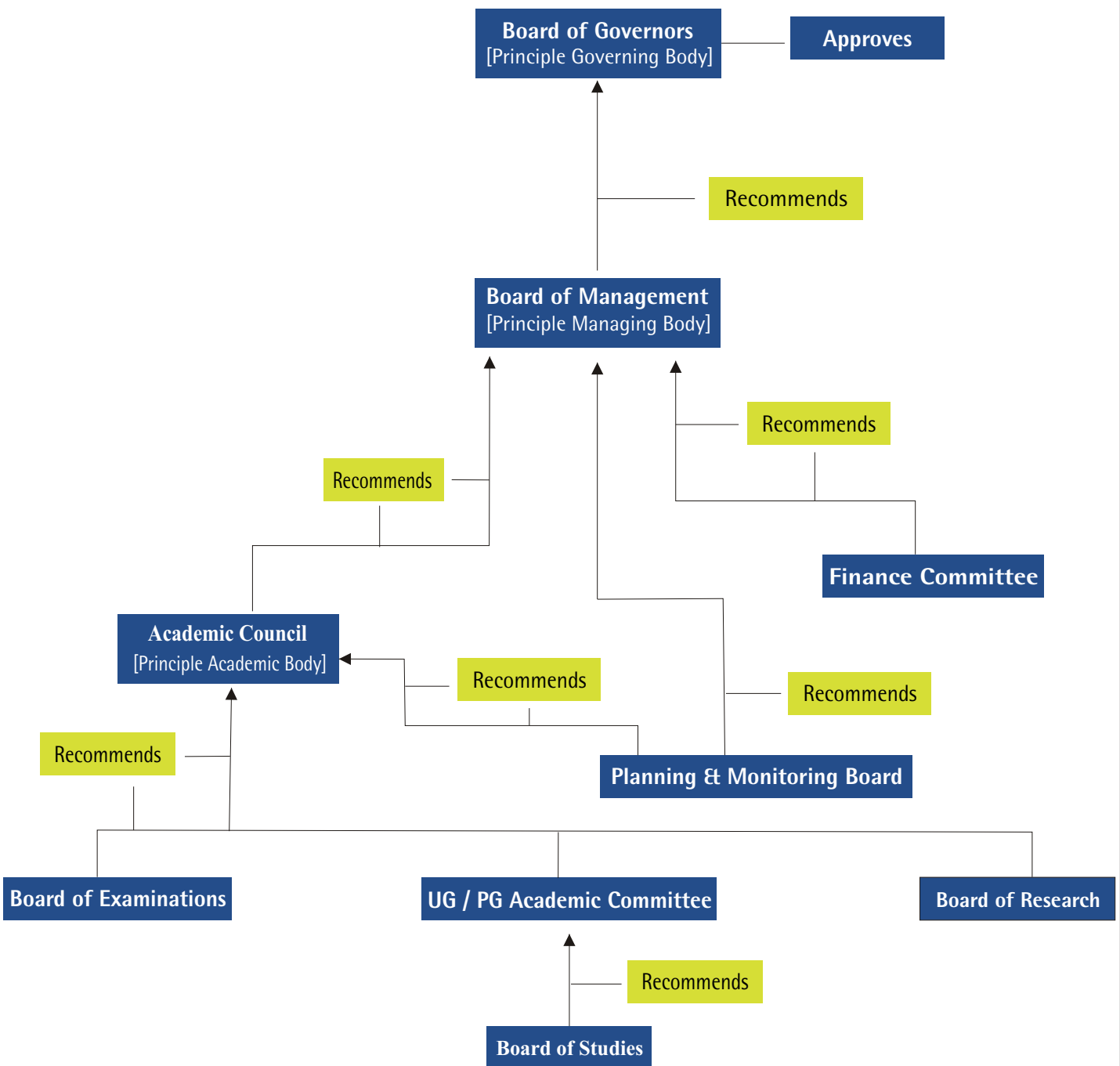


Organization Structure - DIT University



STATUTORY BODIES

Statutory Bodies of DIT University [Recommending & Approving Authorities]



The Visitor

Ms. Baby Rani Maurya
Hon. Governor of Uttarakhand

BOARD OF GOVERNORS

Mr. Anuj Aggarwal, Chairman
Chairman, DIT University
Educationist

Mr. Amit Aggarwal, Co-Chairman
Member Secretary, IMS Society
Educationis

Mr. N Ravi Shankar-Vice Chairman
Chancellor, DIT University
Academician

Dr. K K Raina-Member Secretary
Vice-Chancellor, DIT University
Academician

STATE GOVERNMENT NOMINEES

Principal Secretary-Ex-Officio
Member Secretary, Higher Education Department
IAS Officer

MEMBER ACADEMICIAN AND EDUCATIONIST

Brigadier (Dr.) M Srinivasan (Retired)-Member
Pro Vice Chancellor, DIT University
Academician

Dr. Gautam Sinha-Member
Director, BIMTCH
Academician

Prof. S. P. Gupta-Member
Ex-deputy Director, IIT - Roorkee
Academician

Dr. L.K. Maheshwari-Member
Advisor to Chancellor & Former Vice Chancellor,
BITS Pilani, Academician

Mr. Rajeev Gupta-Member
President, IMS NODIA
Educationist

Major General Jitendra Singh Yadav (Retd.)
Member- Academicians nominated by the Visitor
Academician

Dr. Sandeep Sane - Heti - Member
Provost (Vice-Chancellor), Marwadi University
Academician

Prof. A. N. Purohit-Member
Ex-Vice Chancellor HNBGU, Srinagar
Academician nominated by the Visitor

Dr. H Chaturvedi- Member
Director, BIMTCH
Academician

MEMBER CORPORATES

Mr. Anupam Saronwala-Member
Advisor, Mentor & Angel Investor
(Former Program Director, IBM Research)
Corporate Professional

Dr. Debashis Dutta-Member
Executive Vice President I Strategic initiative
reliance corporate park, Navi mumbai
Corporate Professional

INVITEE

Dr. Vandana Suhag
Registrar, DIT University
Administration

Board of Management

<p>Dr. K K Raina (Chairman) Vice Chancellor, DIT UniversityAcademician</p>	<p>Mr. Mukesh Goyal (Member) Plant Head, Hero Motocorp Ltd., SIDCUL, Haridwar Member nominated by IMS Society, Dehradun</p>
<p>Brigadier (Dr) M Srinivasan (Retired) (Member) Pro Vice-Chancellor, DIT University Academician</p>	<p>Dr. Prakash Tiwari (Member) Professor, FMS (School of Liberal Arts & Management) DIT University, Dehradun</p>
<p>Principal Secretary, Higher Education, Govt. of Uttarakhand (Member) Principal Secretary, Higher Education,Secretariat, Dehradun IAS Officer</p>	<p>Prof. Chhabi Mishra (Member) Professor & Director, School of Architecture & Design, Professor nominated by Chancellor</p>
<p>Dr. Havagiray Chitme (Member) Professor & HoD, School of Pharmaceutical & Populations Health Informatics, DIT University</p>	<p>Prof. B K Singh (Member) Dean Academic Affairs, DIT University Dean nominated by Chancellor</p>
<p>Dr. Manoj K. Arora (Member) Vice Chancellor, BML Munjal University Member nominated by IMS Society, Dehradun</p>	<p>Prof. Debopam Acharya (Member) Dean-School of Computing, DIT University Dean nominated by Chancellor</p>
<p>Dr. Prakash Chauhan (Member) Director, Indian Institute of Remote Sensing (IIRS)Member nominated by IMS Society, Dehradun</p>	<p>Mr. Vivek Vasishtha (Member) Executive Director and Country Leader, IBM India Pvt Ltd, Gurgaon, Haryana Member nominated by IMS Society, Dehradun</p>

Dr. Vandana Suhag
(Ex-Officio Non-Member Secretary)
Registrar, DIT University
Administration

Academic Council

<p>Dr. K K Raina (Chairman) Vice Chancellor, DIT University Academician Ex-Officio</p>	<p>Mr. Umesh Chandra Agarwal (Member) Director, CIIES Academician Ex-Officio</p>
<p>Brigadier (Dr) M Srinivasan (Retired) (Member) Pro Vice-Chancellor, DIT University Academician Ex-Officio</p>	<p>Dr. Naveen Singhal (Member) Dean, Alumni Academician Ex-Officio</p>
<p>Dr. B K Singh (Member) Dean, A.A Academician Ex-Officio</p>	<p>Dr. Rakesh Mohan (Member) Dean, SW Academician Ex-Officio</p>
<p>Dr. Debopam Acharya (Member) Dean, SoC Academician Ex-Officio</p>	<p>Dr. Prakash Tiwari (Member) Dean, A&C Academician Ex-Officio</p>
<p>Ar. Chhabi Mishra (Member) Director, Arch. & Design Academician Ex-Officio</p>	<p>Dr. Arti Chaturvedi (Member) Head of the Department, Chemistry Academician Ex-Officio</p>
<p>Dr. Manoj Bhatnagar (Member) Dean, FA Academician Ex-Officio</p>	<p>Dr. Jagannath Sahoo (Member) Director, SPPHI Academician Ex-Officio</p>
<p>Dr. Naresh Mohan Chadha (Member) Head of the Department, Mathematics Academician Ex-Officio</p>	<p>Ar. Jitendra Kumar Sarohi (Member) Head of the Department, B.Arch Academician Ex-Officio</p>
<p>Dr. Surbhi Sachdev Head of the Department, Physics Academician Ex-Officio</p>	<p>Dr. Vijay Negi (Member) Head of the Department, Humanities & Liberal Arts Academician Ex-Officio</p>

<p>Dr. Sonika Singh (Member) Head of the Department, EECE Academician Ex-Officio</p>	<p>Dr. Suprakash Biswas (Member) Head of the Department, CE Academician Ex-Officio</p>
<p>Dr. Anil Kumar Dahiya (Member) Academician Ex-Officio</p>	<p>Dr. Hemraj Verma (Member) Head of the Department, FMS Academician Ex-Officio</p>
<p>Mr. Rahul Ganju (Member) Head of the Department, PE Academician Ex-Officio</p>	<p>Dr. Rama Sushil (Member) Professor (Re-Nominated by Vice Chancellor) Academician</p>
<p>Dr. Manoj Kumar (Member) Head of the Department, ME Academician Ex-Officio</p>	<p>Dr. Y. K. Tyagi (Member) Professor(Re-Nominated by Vice Chancellor) Academician Ex-Officio</p>
<p>Dr. Vivek Srivastava (Member) Professor (Nominated by Vice Chancellor) Academician Ex-Officio</p>	<p>Dr. Sarvesh Vishwakarma (Member) Associate Professor (Nominated by Vice Chancellor) Academician Ex-Officio</p>
<p>Dr. Aanchal Sharma (Member) Associate Professor (Nominated by Vice Chancellor) Academician Ex-Officio</p>	<p>Dr. Mandeep Kumar Arora (Member) Associate Professor (Nominated by Vice Chancellor) Academician Ex-Officio</p>
<p>Dr. Tarumay Ghoshal (Member) Associate Professor (Nominated by Vice Chancellor) Academician Ex-Officio</p>	<p>Dr. Deepesh Kumar Thakur (Member) Assistant Professor (Nominated by Vice Chancellor) Academician Ex-Officio</p>

<p>Dr. Ravi Kumar Shukla (Member) Assistant Professor (Nominated by Vice Chancellor) Academician Ex-Officio</p>	<p>Mr. N. K. Gupta (Member) Director & Head CIPET: Centre for Skilling and Technical Support (CSTS), Dehradun Academician Nominated by Vice Chancellor</p>
<p>Dr. Ramesh Chandra (Member) Professor, Institute Instrumentation Centre, IIT-Roorkee External Expert Nominated by Vice Chancellor</p>	<p>Member confirmation awaited (Member)</p>
<p>Dr. R.S. Rawal (Member) Director, GBPNIHESD, Pantnagar External Expert Nominated by Vice Chancellor</p>	<p>Dr. Mukesh Kumar Barua (Member) Professor, Department of Managent Studies, Indian Institute of Technology, Roorkee Academicians Nominated by Vice Chancellor</p>
<p>Dr. A. Wali (Member) Managing Director, FITT- Convener, IIT-Delhi External Expert Nominated by Vice Chancellor</p>	<p>Dr. Nagendra P. Pathak (Member) ED- Professor, Department of ECE, IIT-Roorkee External Expert Nominated by Vice Chancellor</p>
<p>Prof. U. C. Banerjee (Member) Professor & Head, Pharmaceutical Technology, NIPER, Punjab External Expert Nominated by Vice Chancellor</p>	<p>Dr. Kamal Krishna Kar (Member) Professor, Department of Mechanical Engineering and Materials Science Programme, IIT Kanpur Academicians Nominated by Vice Chancellor</p>
<p>Dr. Havagiray Chitme (Member) Head of the Department, Pharmacy Academician Ex-Officio</p>	<p>Vacant (Member) Professor (Nominated by Vice Chancellor) Academician Ex-Officio</p>
<p>Vacant (Member) Professor (Nominated by Vice Chancellor) Academician Ex-Officio</p>	<p>Vacant (Member) Professor (Nominated by Vice Chancellor) Academician Ex-Officio</p>
<p>Vacant (Member) Professor (Nominated by Vice Chancellor) Academician Ex-Officio</p>	<p>Mr. Debashish Bhattacharya (Member) Deputy Director General, Broadband India Forum, New Delhi External Expert Nominated by Vice Chancellor</p>

<p>Dr. Satinder Paul Singh (Member) Professor, Mechanical Engineering, IIT-Delhi External Expert Nominated by Vice Chancellor</p>	<p>Dr. Rajesh K. Bhatia (Member) Professor, Department of CSE, PEC University of Technology, Chandigarh External Expert Nominated by Vice Chancellor</p>
<p>Mr. Sanjiv Sain (Non Member) Chief Librarian, DIT University Ex-Officio</p>	<p>Dr. Vandana Suhag (Non Member) Registrar, DIT University Ex-Officio Non-Member Secretary</p>

Board of Research

Dr. K K Raina (Chairman)	Vice Chancellor	Academician	Ex-Officio
Brigadier (Dr) M Srinivasan (Retired) (Member)	Pro Vice Chancellor	Academician	Ex-Officio
Dr. B K Singh (Member)	Dean, AA	Academician	Ex-Officio
Dr. Debopam Acharya (Member Secretary)	Dean, SoC	Academician	Ex-Officio
Ar. Chhabi Mishra (Member)	Director, Arch. & Design	Academician	Ex-Officio
Dr. Jagannath Sahoo (Member)	Director, SPPHI	Academician	Ex-Officio
Dr. Manoj Bhatnagar (Member)	Dean, FA	Academician	Ex-Officio
Dr. Naresh Mohan Chadha (Member)	Head of the Department, Mathematics	Academician	Ex-Officio
Dr. Rakesh Mohan (Member)	Dean, SW	Academician	Ex-Officio
Dr. Prakash Tiwari (Member)	Dean, A&C	Academician	Ex-Officio
Dr. Arti Chaturvedi (Member)	Head of the Department, Chemistry	Academician	Ex-Officio
Dr. Naveen Singhal (Member)	Dean, Alumni	Academician	Ex-Officio
Dr. Havagiray Chitme (Member)	Head of the Department, Pharmacy	Academician	Ex-Officio
Ar. Jitendra Kumar Sarohi (Member)	Head of the Department, B.Arch	Academician	Ex-Officio
Dr. Surbhi Sachdev (Member)	Head of the Department, Physics	Academician	Ex-Officio
Dr. Anil Kumar Dahiya (Member)	Professor CSE	Academician	Ex-Officio
Dr. Suprakash Biswas (Member)	Head of the Department, CE	Academician	Ex-Officio
Dr. Manoj Kumar (Member)	Head of the Department, ME	Academician	Ex-Officio
Mr. Rahul Ganju (Member)	Head of the Department, PE	Academician	Ex-Officio
Dr. Vijay Negi (Member)	Head of the Department, Humanities & Liberal Arts	Academician	Ex-Officio

Dr. Hemraj Verma (Member)	Head of the Department, FMS	Academician	Ex-Officio
Dr. Dau Tapas Kumar Dora (Member)	Teacher nominated by the Vice Chancellor	Academician	(01-05-20 to 30-04-21)
Dr. Ravi Kumar Shukla (Member)	Teacher nominated by the Vice Chancellor	Academician	(01-05-20 to 30-04-21)
Dr. Garima Verma (Member)	Teacher nominated by the Vice Chancellor	Academician	(01-05-20 to 30-04-21)
Dr. Subodh Kumar (Member)	Teacher nominated by the Vice Chancellor	Academician	(01-05-20 to 30-04-21)
Dr. Jyoti Rawat (Member)	Teacher nominated by the Vice Chancellor	Academician	(01-05-20 to 30-04-21)
Dr. Bharti Sharma (Member)	Teacher nominated by the Vice Chancellor	Academician	(01-05-20 to 30-04-21)
Dr. Nafees Ahamad (Member)	Teacher nominated by the Vice Chancellor	Academician	(01-05-20 to 30-04-21)
Dr. Jabrinder Singh (Member)	Teacher nominated by the Vice Chancellor	Academician	(01-05-20 to 30-04-21)
Dr. R. Ramajayam (Member)	Teacher nominated by the Vice Chancellor	Academician	(01-05-20 to 30-04-21)
Dr. Sandeep Sharma (Member)	Teacher nominated by the Vice Chancellor	Academician	(01-05-20 to 30-04-21)
Dr. Aanchal Sharma (Member)	Teacher nominated by the Vice Chancellor	Academician	(01-05-20 to 30-04-21)
Dr. Ajay Kumar (Member)	Teacher nominated by the Vice Chancellor	Academician	(01-05-20 to 30-04-21)

Board of Examination

Dr. K K Raina (Chairman)	Vice Chancellor	Academician	Ex-Officio
Brigadier (Dr) M Srinivasan (Retired) (Member)	Pro Vice Chancellor	Academician	Ex-Officio
Dr. B K Singh (Member)	Dean, AA	Academician	Ex-Officio
Dr. Debopam Acharya (Member Secretary)	Dean, SoC	Academician	Ex-Officio
Ar. Chhabi Mishra (Member)	Director, Arch. & Design	Academician	Ex-Officio
Dr. Jagannath Sahoo (Member)	Director, SPPHI	Academician	Ex-Officio
Dr. Manoj Bhatnagar (Member)	Dean, FA	Academician	Ex-Officio
Dr. Sonika Singh (Member)	Head of the Department, EECE	Academician	Ex-Officio
Dr. Naresh Mohan Chadha (Member)	Head of the Department, Mathematics	Academician	Ex-Officio
Dr. Rakesh Mohan (Member)	Dean, SW	Academician	Ex-Officio
Dr. Prakash Tiwari (Member)	Dean, A&C	Academician	Ex-Officio
Dr. Arti Chaturvedi (Member)	Head of the Department, Chemistry	Academician	Ex-Officio
Dr. Naveen Singhal (Member)	Dean, Alumni	Academician	Ex-Officio
Dr. Havagiray Chitme (Member)	Head of the Department, Pharmacy	Academician	Ex-Officio
Ar. Jitendra Kumar Sarohi (Member)	Head of the Department, B.Arch	Academician	Ex-Officio
Dr. Surbhi Sachdev (Member)	Head of the Department, Physics	Academician	Ex-Officio
Dr. Anil Kumar Dahiya (Member)	Professor SoC	Academician	Ex-Officio
Dr. Suprakash Biswas (Member)	Head of the Department, CE	Academician	Ex-Officio
Dr. Manoj Kumar (Member)	Head of the Department, ME	Academician	Ex-Officio
Mr. Rahul Ganju (Member)	Head of the Department, PE	Academician	Ex-Officio
Dr. Vijay Negi (Member)	Head of the Department, Humanities & Liberal Arts	Academician	Ex-Officio

Dr. Hemraj Verma (Member)	Head of the Department, FMS	Academician	Ex-Officio
Dr. Anil Kumar Patil (Member)	Professor (Nominated by Vice Chancellor)	Academician	(01-May-20 – 30-Apr-21)
Dr. Rama Sushil (Member)	Professor (Nominated by Vice Chancellor)	Academician	(01-May-20 – 30-Apr-21)
Dr. Sarvesh Vishwakarma (Member)	Associate Professor (Nominated by Vice Chancellor)	Academician	(01-May-20 – 30-Apr-21)
Dr. Vandana Suhag (Member)	Registrar	Administration	Ex-Officio
Dr. Y.K. Tyagi (Member Secretary)	COE	Academician	Ex-Officio

STATUTORY BODIES MEETINGS

Name of Statutory	Body Meeting No.	Date	Chaired by
Board of Governors	11th Meeting 12th Meeting 13th Meeting	15.11.2020 11.12.2020 10.04.2021	Mr. Anuj Aggarwal Mr. Anuj Aggarwal Mr. Anuj Aggarwal
Board of Management	10th Meeting 11th Meeting	10.10.2020 11.04.2021	Dr. K K Raina Dr. K K Raina
Academic Council	15th Meeting 16th Meeting 17th Meeting	23.09.2020 08.12.2020 24.04.2021	Dr. K K Raina Dr. K K Raina Dr. K K Raina
Board of Research	13th Meeting	12.09.2020	Dr. K K Raina
Board of Examinations	18th Meeting 19th Meeting 20th Meeting	18.08.2020 31.10.2020 06.01.2021	Dr. K K Raina Dr. K K Raina Dr. K K Raina

University Committees

S.No	Committee	Chairperson/Head
1	Anti-Ragging Committee	Dr. Rakesh Mohan Dean Student Welfare Mob. 9897491211 Email: dean.sw@dituniversity.edu.in
2	Hostel Discipline Committee	Dr. Rama Sushil Professor, School of Computing Mob. 8077843496 Email: rama.sushil@dituniversity.edu.in
3	Proctorial Board	Dr. Naveen Singhal Chief Proctor Professor, SoPS (Chemistry) Mob. 9927100304 Email: chief.proctor@dituniversity.edu.in
4	SC/ST Welfare Committee	Dr. Rakesh Kumar Saini Assistant Professor, SoC Mob. 9456294074 Email: rk.saini@dituniversity.edu.in
5	Social and Cultural Committee	Dr. Manisha Duseja Assistant Professor, SoPS (Chemistry) Mob. 9456540292 Email: manisha.duseja@dituniversity.edu.in
6	Sports & Athletics Committee	Dr. Jabrinder Singh Assistant Professor, SoPS (Chemistry) Mob: 9812428464 Email: drjabrinder.singh@dituniversity.edu.in
7	Student Grievance Committee	Dr. Rakesh Mohan Dean Student Welfare Mob. 9897491211 Email: dean.sw@dituniversity.edu.in
8	University Discipline Committee	Brigadier (Dr) M Srinivasan (Retired) Pro-Vice Chancellor Mob. 7055219111 Email: pvc@dituniversity.edu.in
9	Internal Complaints Committee (ICC)	Prof. Chhabi Mishra Director, SoAD Presiding Officer Mob. 9811789576 Email: director.arch@dituniversity.edu.in
10	Students Consultative Committee	Dr. Rakesh Mohan Dean Student Welfare Chairperson Mob. 9897491211 Email: dean.sw@dituniversity.edu.in
11	Women Welfare Cell	Ar. Chhabi Mishra Director, SoAD Presiding Officer Mob. 9811789576 Email: director.arch@dituniversity.edu.in

TABLE OF CONTENTS

Message from the Chairman	I
Message from the Chancellor	II
Preface	III
Highlights of the Year	VI
Introduction	V
Organization Structure	VII
Recommending and approving Authorities	VIII
Board of Governors	IX
Board of Managements	X
Academic Council	XI-XIV
Board of Research	XV-XVI
Board of Examination	XVII-XVIII
Statutory Bodies Meeting	XIX
Schools	
SoAD	1-8
SoC	9-26
SoET	27-45
SoLAM	46-50
SoPPHI	51-65
SoPC	66-75
Centers	76-87
Central Activities	88-94
Students' Activities	95-104
Training & Placement	105-111
Alumni relation office	112-114
Infrastructure	115
Corporate Social Responsibility	116-117
Appendix 1 : 4th Convocation	118-121

School of Architecture and Design

List of Programmes

S. No	Program offered	Year of Establishment
1	B. Arch.	2005
2	B. Des.(Interior Design)	2017
3	B. Des. (User Experience)	2018
4	B. Des. (Visual Graphics and Animation)	2021
5	M. Des. (User Experience) in collaboration with IMAGINXP	2019
6	M. Plan. (Urban and Regional Planning)	2021

List of Faculty Members

S. No	Name of Faculty Member	Designation	Date of Joining	Specialization
1	Prof. Chhabi Mishra	Professor	01-May-2018	Landscape Architecture
2	Ar. Jitendra Kumar Sarohi	Associate Professor	16-Nov-2009	Building Services
3	Ar. Sandeep Saxena	Associate Professor	04-Aug-2006	Architectural Design
4	Ar. Vartica Saxena	Associate Professor	04-Aug-2006	Architectural Design
5	Dr. Aanchal Sharma	Associate Professor	16-Jul-2018	Architectural Design
6	Ar. Abhilasha Pathak	Associate Professor	14-Jan-2019	Ekistics
7	Dr. Seema Praliya	Associate Professor	05-Aug-2019	Construction Management
8	Ar. Upendra Joshi	Associate Professor	24-Aug-2020	Interior Architecture
9	Ar. Purnima Verma	Associate Professor	09-Jan-2017	Climate Change and Sustainable Development
10	Ar. Vedangi Deshpande	Associate Professor	24-Aug-2020	Historic Urban Landscape, Heritage Conservation

11	Ar. Meghna Chatterji	Associate Professor	07-Aug-2019	Architectural Conservation
12	Ar. Ankita Gaur	Associate Professor	29-Jul-2019	Urban Design
13	Ar. Shreya Giri	Associate Professor	15-Jul-2019	Planning/Housing
14	Ar. Manmeet Kaur	Associate Professor	01-Sep-2020	Landscape Architecture
15	Ar. Sanan Verma	Associate Professor	01-Aug-2019	M. Planning/Housing
16	Ar. Tejendra N.	Associate Professor	22-Jul-2019	Urban Design
17	Ar. Poonam Katre	Associate Professor	22-Jul-2019	Urban Design
18	Ms. Pooja Pawwar	Associate Professor	28-Aug-2020	User Experience/ User Interaction Design
19	Mr. Rahul Kumar	Associate Professor	06-Sep-2021	Product Design

List of Publications

Papers in Conferences

1. U. Joshi, "Significance of Café as an Inclusive Place in Urban Context in India", in TEQIP III National Online Conference on Planning, Design and Management-2021 CoEP Pune, India, 2021.

List of Consultancy Projects

S. No.	Title of the Project	Project Investigator/s	Funding Agency	Amount (in INR)	Status
1	A comparative evaluation of roofing systems thermal performance in the composite climate of Dehradun	Dr. Aanchal Sharma, Er. Harsh Goyal	DIT University	Rs. 1,90,000	Ongoing
2	Thermo - physical evaluation of traditional and contemporary building envelope constructions for developing adaptive model or thermal comfort of naturally ventilated and mixed mode residential buildings	Dr. Aanchal Sharma, Dr. Ashok Kumar	TARE – DST SERB	Rs. 15 lakhs	Ongoing

FDP/FIP/FAP/SDP attended by faculty members

FDP

S. No.	Faculty	Title	Organized by	Date
1	Ar. Shreya Giri	Advanced Building services	Council of Architecture	02-07 Jul-2020
2	Ar. Nagabhoina Tejendra	Writing Research Proposal	NITTR Kolkata	03-07 Aug-2020
3	Ar. Upendra Joshi	Online Faculty Development Program on "Research Approaches in Architecture & Urban Planning	College of Engineering, Pune	14-18 Dec-2020
4	Ar. Vedangi Deshpande	Faculty Development Program (FDP) on " Research Approaches in Architecture & Urban Planning	Online	14-18 Dec- 2020
5	Ar. Poonam Katre	Minicourse on Design Thinking	IUCEE NEP FDP	01-28 Jun- 2021
6	Ar. Manmeet Kaur	FDP on " Smart Cities - Infrastructure and Sustainability"	AICTE Training and Learning Academy	24-28 May-2021
7	Ar. Nagabhoina Tejendra	Short term Training Program (FDP) on Writing Research Proposal. NITTR	Online	03-07 Aug-2020
8	Ar. Shreya Giri	Clean and Green campus	IUCEE NEP FDP	01-28 Jun-2021

FAP

S. No.	Faculty	Title	Organized by	Date
1	Ar. Upendra Joshi	Faculty Development Program on "Research Methodology"	BMS College of Architecture, Bangalore	28-29 Oct-2020
2	Ar. Jitendra Sarohi	National Online Training Program on Entrepreneurship in AEC Sector conducted	Council of Architecture	21-23 May-2021
3	Ar. Vedangi Deshpande	Faculty Development Program on "Research Methodology" organized by BMS College of Architecture, Bangalore,	Online	28-29 Oct-020

FDP/FIP/FAP/SDP Organized by the School

S. No.	Title	Convener /Organizing Secretary	Date	Remarks
1	Raising questions and Way-forward in Design Education in the presence of COVID-19	Prof. Chhabi Mishra, Ar. Jitendra Sarohi	03-Jul-2020	National level FDP

Conferences/workshop/seminars/ webinars attended by faculty members

S. No.	Faculty	Title	Organized by	Date
1	Prof. Chhabi Mishra	SMART Cities beyond the Pandemics	USEAP	20-25 Jul-2020
2	Ar. Upendra Joshi	National Online Conference on Planning, Design & Management-2021	Online	26- 27 Feb- 2021
3	Ar. Upendra Joshi	Faculty Development Program & Workshop	Indo Universal Collaboration for Engineering Education	14-18 Dec-2020
4	Ar. Upendra Joshi	Online Training Program "Visual Research Methods" in Architecture	Council of Architecture Training & Research Centre	18- 21 May-2021
5	Ar. Poonam Katre	Bootcamp for females on 'Canva and Smart Mockups'.	Online	07- 08 Jun- 2021
6	Ar. Nagabhoina Tejendra	(ICRC-2020) International Conference on rediscovering cities, MMU, Sadopur, Ambala,	Online	07- 09 Jul- 2020
7	Ar. Nagabhoina Tejendra	STEP -online crash course on Pedestrianization	Online	11- 12 Jul-2020
8	Ar. Vedangi Deshpande	International Webinar on Heritage Management and Sustainable Habitat	Online	01-28 Jun-2021
9	Ar. Shreya Giri	Indian Institute of Architects 2020 NATCON	Online	12 Jul- 2020
10	Ar. Shreya Giri	Managing Your Mental Health During COVID-19	University of Toronto, online	Jul- 2020
11	Ar. Shreya Giri	Online webinar & workshop by Kiran Bedi on City and Youth	Online	05-06 Jul- 2020

12	Ar. Shreya Giri	Certificate course on India's First Leadership Talk with Shri Shashi Shekhar CEO-Prasar Bharti held by MHRD's Innovation Cell	Online	11 Jul- 2020
13	Ar. Shreya Giri	Certificate course on Preparedness for the Future-Post Amphan Initiative by ASSOCHAM GEM	Online	7 Jul- 2020
14	Ar. Shreya Giri	Council of Architecture Online Workshop on Advanced Building services	Online	2-4 Jul- 2020
15	Ar. Shreya Giri	Online Training Programme Certification on Disaster Resilient Waste Management for Sustainable Spaces by IMPRI, National Institute of Disaster Management	Online	16-18 Jun-2021
16	Ar. Jitendra Sarohi	Earth Observations from Space for Social Benefits	DIT University	08-Jul-2020
17	Ar. Jitendra Sarohi	Designing & Successfully Delivering Online STEM Courses	DIT University	11-Jul- 2020
18	Ar. Sandeep Saxena	What They Don't Teach You at Design School	Anant National University	02 Sept- 2020
19	Ar. Sandeep Saxena	Goal Setting & Execution	UltraTech Cement Ltd. & Indian Concrete Institute	03 October- 2020
20	Ar. Vartica Saxena	Architectural metamorphosis post Covid-19	IC_2020_31	14-Aug- 2020
21	Ar. Vartica Saxena	New Pattern+ Choosing an Architecture School	NATA 2020	20-Jul- 2020
22	Ar. Abhilasha Pathak	New Pattern+ Choosing an Architecture School	NATA 2020	20-Jul- 2020
23	Ar. Purnima Verma	Re-imagining and Re-designing Built Environment in the Presence of COVID-19	DIT University	14-Aug- 2020
24	Ar. Ankita Gaur	Re-imagining and Re-designing Built Environment in the Presence of COVID-19	DIT University	14-Aug- 2020

25	Ar. Sanan Verma	Re-imagining and Re-designing Built Environment in the Presence of COVID-19	DIT University	14-Aug-2020
26	Ar. Charles Porwal	Re-imagining and Re-designing Built Environment in the Presence of COVID-19	DIT University	14-Aug-2020
27	Ar. Shreya Giri	Re-imagining and Re-designing Built Environment in the Presence of COVID-19	DIT University	14-Aug-2020
28	Ar. Nagabhoina Tejendra	Re-imagining and Re-designing Built Environment in the Presence of COVID-19	DIT University	14-Aug - 2020
29	Ar. Charles Porwal	World Planning Congress International Workshop	ISOCARP	Dec- 2020
30	Ar. V Saxena	Traditional techniques of lime mortar and finishes	RRAP Museum, Jaipur	20-21 Nov- 2020
31	Ar. A Pathak	Effectiveness of Traditional Knowledge System In Disaster Management	ICOMOS	23-24 Nov- 2020
32	Ar. P Verma	Hill Area Environment, Climate Change, Sustainable Development and Landslide Risk Reduction & Resilience	NIDM	20-Oct-2020
33	Ar. P Verma	Quantifying daylight in Buildings: Concepts and Simulations using LightStanza	Light Stanza	30 Oct- 1 Nov- 2020
34	Ar. P Verma	Indo-UK Virtual Conference on the 5C's of Water Vulnerability: Climate Change, Contaminants, Co-occurrence, Conflicts and COVID-19	IIT Gandhinagar	15-Dec-2020
35	Ar. P Katre	56th ISOCARP world planning congress	ISOCARP	8-10 Nov-2020
36	Ar. P Katre	56th ISOCARP world planning congress	ISOCARP	9-11 Dec-2020

Conferences/workshop/seminars/webinars organized by the School


S. No.	Title	Convener /Organizing Secretary	Date	Remarks
1	I-converge 2020	Prof. Chhabi Mishra, Ar. Jitendra Sarohi, Dr. Aanchal Sharma	14-Aug-2020	International Conference hosted by SoAD, DIT University
2	Dialogues on the Sustainable Development Goals in the Hilly Areas	Prof. Chhabi Mishra, Dr. Aanchal Sharma	05-Feb-2021	Council of Architecture-Training and research Centre- Bhopal, National level Seminar
3	Architecture and Design: Opportunities and Choices as Lucrative Career Options	Prof. Chhabi Mishra, Director, School of School of Architecture & Design and Dean, Outreach and International Linkages, DIT University, Dehradun	08-Jun-2021	National Level Webinar on awareness of Design and allied disciplines
4	Life of Architecture & Design Students on Campus	Prof. Chhabi Mishra, Director, School of School of Architecture & Design and Dean, Outreach and International Linkages, DIT University, Dehradun	10-Jul-2020	National Level Webinar on awareness of Design and allied disciplines

Under Graduate Projects

S. No.	Name of Student	Guide	Title of Project
1	Krashang Giri Goswami	Prof. Chhabi Mishra	Tesla Tech Park: Envisioning a futuristic Technopolis through high-tech architecture
2	Siddhant Singh	Ar. Sanan Verma	300 bedded multi- specialty hospital
3	Oshima Bhatia	Prof. Chhabi Mishra	Collective workspace for creative professionals
4	Kirtee Singh	Ar. Shreya Giri	Residential school for tribals
5	Kartikeya Singh Bisht	Ar. Ankita Gaur	Rejuvenation of Ghost village, Dilkot, Almora
6	Anushree Khananna	Ar. Jitendra Sarohi	Regenerative agro- infrastructure design, Karnal
7	Preksha Jindal	Ar. Vartica Saxena	Luxurious senior citizen living, Noida
8	Harshit Agarwal	Ar. Charles Porwal	'Window to development' – invigorating the forgotten station
9	Vibhor Srivastava	Ar. Purnima Verma	Rethinking school according to NEP 2020
10	Darshika Rajput	Ar. Poonam Katre	City centre, Jaipur

Total Number of Projects	Projects domains
49	Infrastructure for Special Requirements
	Education Institutes
	Housing
	Infrastructure for Office and Retail
	Infrastructure for Recreation
	Infrastructure for Sports

National/International Awards/Recognition recieved by faculty members

S. No.	Name of Faculty Member	Name of Student	Awarding Agency	Photograph
1	Mrs. Abhilasha V Pathak	Young Researcher Award	Institute of Scholars	

School of Computing

List of Programmes

S. No.	Program offered	Year of Establishment
1	B.Tech in Computer Science & Engineering	2013
2	B.Tech in Computer Science & Engineering with Specialization in Artificial Intelligence, Machine Learning and Robotics	2020
3	B.Tech in Computer Science & Engineering with Specialization in Data Science and Analytics	2020
4	B.Tech in Computer Science & Engineering with Specialization in Internet of Things and Edge Computing	2020
5	B.Tech in Computer Science & Engineering with Specialization in Cybersecurity and Privacy	2020
6	B.Tech in Computer Science & Engineering with Specialization in Computer Vision and Biometrics	2020
7	B.Tech in Computer Science & Engineering with Specialization in Cloud Computing and Blockchain	2020
8	B.Tech in Computer Science & Engineering with Specialization in Full Stack and DevOps	2020
9	B.Tech in Information Technology	2013
10	Bachelor of Computer Applications	2017
11	M.Tech in Computer Science and Engineering	2013
12	Master of Computer Applications	2013
13	Ph.D. in Computer Science and Engineering in the department of CSE	2014
14	Ph.D. in Computer Sciences in the department of Computer Applications	2015
15	Diploma in Computer Science & Engineering	2018

List of Faculty Members

S. No.	Name of Faculty Member	Designation	Date of Joining	Specialization
1	Dr. Debopam Acharya	Professor and Dean SOC & Dean RNC & Division Head	01-Oct-2019	Network, Mobile Computing and Internet of Things
2	Dr. Sanjay Garg	Professor and Dean Academic Affairs	27-Mar-2021	Computer Vision and Biometrics
3	Dr. Rama Sushil	Professor & Head CSE & Division Head	10-Jul-2013	Artificial Intelligence, Machine Learning and Robotics
4	Dr. Anil Kumar	Professor & Division Head	01-Aug-2018	Data Science and Analytics
5	Dr. Amit Kumar Mishra	Associate Prof. & Head IT	20-Jan-2018	Artificial Intelligence, Machine Learning and Robotics
6	Dr. Sarvesh Vishwakarma	Associate Prof. & Head CSE & Division Head	06-Jan-2020	Computer Vision and Biometrics
7	Dr. Bharti Sharma	Assistant Prof. I & Head BCA/MCA	08-Jul-2019	Data Science and Analytics
8	Dr. Anurag Aeron	Associate Professor	07-Jan-2020	Artificial Intelligence, Machine Learning and Robotics
9	Dr. Ashok Kumar	Assistant Professor - I	15-Jan-2013	Artificial Intelligence, Machine Learning and Robotics
10	Dr. Garima Verma	Assistant Professor -I	02-Sep-2013	Network, Mobile Computing and Internet of Things
11	Dr. Jyoti Rawat	Assistant Professor - III	08-Jul-2019	Computer Vision and Biometrics
12	Dr. Megha	Assistant Professor - I	01-Sep-2020	Artificial Intelligence, Machine Learning and Robotics
13	Dr. Mitali Srivastava	Assistant Professor - III	05-Aug-2020	Data Science and Analytics

14	Dr. Narendra Kumar	Assistant Professor - II	04-Jul-2007	Network, Mobile Computing and Internet of Things
15	Dr. Neeraj Kumar Pandey	Assistant Professor - II	05-Jul-2018	Network, Mobile Computing and Internet of Things
16	Dr. Rakesh Kumar Saini	Assistant Professor - I	01-Sep-2008	Network, Mobile Computing and Internet of Things
17	Dr. Ranjeet Kumar Ranjan	Assistant Professor - II	12-Jul-2019	Data Science and Analytics
18	Dr. Srabanti Maji	Assistant Professor - I	02-Jul-2015	Artificial Intelligence, Machine Learning and Robotics
19	Dr. Arshad Husain	Assistant Professor - II	09-Jul-2019	Computer Vision and Biometrics
20	Dr. Priyanka Dahiya	Assistant Professor - III	01-Aug-2018	Data Science and Analytics
21	Dr. Kumar Shashvat	Assistant Professor - III	21-Dec-2020	Artificial Intelligence, Machine Learning and Robotics
22	Dr. Atul Srivastava	Assistant Professor - III	09-Nov-2020	Data Science and Analytics
23	Dr. Arshpreet Kaur	Assistant Professor - III	10-Dec-2020	Artificial Intelligence, Machine Learning and Robotics
24	Dr. Pradeep Singh Rawat	Assistant Professor - II	07-Jan-2010	Data Science and Analytics
25	Dr. Vishal Srivastava	Assistant Professor - III	11-Jan-2021	Computer Vision and Biometrics
26	Dr. Rakesh Kumar Yadav	Assistant Professor - III	10-Feb-2021	Artificial Intelligence, Machine Learning and Robotics
27	Khushboo Jain	Assistant Professor - II	18-Feb-2021	Artificial Intelligence, Machine Learning and Robotics
28	Ajay Kumar	Assistant Professor - I	15-Jul-2009	Data Science and Analytics
29	Ajay Narayan Shukla	Assistant Professor - II	11-Aug-2012	Artificial Intelligence, Machine Learning and Robotics

30	Amit Dua	Assistant Professor - III	20-Jul-2009	Artificial Intelligence, Machine Learning and Robotics
31	Ankit Agarwal	Assistant Professor - III	16-Jul-2019	Artificial Intelligence, Machine Learning and Robotics
32	Anuj Kumar Yadav	Assistant Professor - II	15-Jul-2009	Cybersecurity and Privacy
33	Anurag Shrivastava	Assistant Professor - III	23-Jul-2019	Artificial Intelligence, Machine Learning and Robotics
34	Bibek Kumar Katiyar	Assistant Professor - III	01-Jan-2018	Artificial Intelligence, Machine Learning and Robotics
35	Chirag Joshi	Assistant Professor - III	27-Jun-2016	Artificial Intelligence, Machine Learning and Robotics
36	Ena Jain	Assistant Professor - III	13-Jul-2018	Network, Mobile Computing and Internet of Things
37	Madhu Sharma	Assistant Professor - III	12-Sep-2012	Cybersecurity and Privacy
38	Maneesha	Assistant Professor - III	10-Jul-2019	Computer Vision and Biometrics
39	Mayank Sah	Assistant Professor - III	01-Aug-2019	Computer Vision and Biometrics
40	Moumita Ghosh	Assistant Professor III	12-Jul-2018	Network, Mobile Computing and Internet of Things
41	Pooja Gupta	Assistant Professor - III	12-Jul-2019	Artificial Intelligence, Machine Learning and Robotics
42	Sanjeev Sharma	Assistant Professor - III	09-Jul-2019	Network, Mobile Computing and Internet of ThingsA
43	Sneh Lata Aswal	Assistant Professor - III	27-Jan-2010	Network, Mobile Computing and Internet of Things
44	Tarun Kumar	Assistant Professor - III	10-Oct-2019	Network, Mobile Computing and Internet of Things
45	Meghavi Rana	Assistant Professor - III	04-Jan-2021	Artificial Intelligence, Machine Learning and Robotics

46	Saurabh kr. Srivastava	Assistant Professor - III	05-Aug-2019	Artificial Intelligence, Machine Learning and Robotics
47	Neeraj Rathore	Assistant Professor - III	01-Aug-2017	Computer Vision and Biometrics
48	Nitin Thapliyal	Assistant Professor - III	15-Jan-2013	Data Science and Analytics
49	Devendra Prasad	Assistant Professor - III	05-Aug-2019	Cybersecurity and Privacy
50	Aditya Dev Mishra	Assistant Professor - III	16-Jul-2019	Computer Vision and Biometrics
51	Naveen Kumar	Assistant Professor - III	18-Jul-2019	Computer Vision and Biometrics
52	Sisir Kumar Jena	Assistant Professor - III	01-Aug-2019	Network, Mobile Computing and Internet of Things
53	Diwaker	Assistant Professor - III	18-Jul-2019	Artificial Intelligence, Machine Learning and Robotics
54	Chandra Prakash	Assistant Professor - III	02-Jul-2019	Network, Mobile Computing and Internet of Things
55	Deep Kumar	Assistant Professor - III	6-Aug-2009	Data Science and Analytics
56	Md. Zia Ur Rehman	Assistant Professor - III	11-Aug-2017	Network, Mobile Computing and Internet of Things
57	Ruchi Sharma	Assistant Professor - III	20-Jul-2018	Data Science and Analytics
58	Saurabh Kumar	Assistant Professor - III	21-Aug-2019	Cybersecurity and Privacy
59	Bhawna Srivastava	Assistant Professor - III	04-Jan-2021	Artificial Intelligence, Machine Learning and Robotics
60	Shabnam	Assistant Professor - III	04-Jan-2021	Artificial Intelligence, Machine Learning and Robotics

List of Publications

a. SCI/Scopus indexed Journals

1. A. Husain, R.C. Vaishya, "An automated approach for street trees detection using mobile laser scanner data", *Remote Sensing Applications: Society and Environment*, Elsevier, Vol. 20, pp. 100371, 2020. DOI: <https://doi.org/10.1016/j.rsase.2020.100371>.
2. J. Rawat, J. Virmani, A. Singh, H.S. Bhadauria, I. Kumar, and J.S.Devgan, "FAB classification of acute leukemia using an ensemble of neural networks", *Evolutionary Intelligence*, Springer. pp. 1-19, DOI: <https://doi.org/10.1007/s12065-020-00491-9>.
3. R. Chakraborty, G. Verma, and S. Namasudra "IFODPSO-based multi-level image segmentation scheme aided with Masi entropy" *Journal of Ambient Intelligence and Humanized Computing*, Vol. 12, pp. 7793-7811, 2021, DOI: <https://doi.org/10.1007/s12652-020-02506-w>.
4. G. Verma and H. Verma, "Hybrid Deep Learning Model for Emotion Recognition using Facial Expressions", *The Review of Socionetwork Strategies*, Springer, Vol. 14, pp. 171-180, 2021. DOI: <https://doi.org/10.1007/s12626-020-00061-6>.
5. A. Rawat, R. Sushil, A. Agarwal, "Review of Fault Tolerance Frameworks in the Cloud", *International Journal of Information System Modeling and Design*, Vol. 11(3), pp. 79-99, DOI: <https://doi.org/10.4018/IJISMD.2020070105>.
6. A. Barthwal, D. Acharya, "An IoT based Sensing System for Modeling and Forecasting Urban Air Quality", *Wireless Personal Communications*, Vol. 116, pp. 3503-3526, 2021. DOI: <https://doi.org/10.1007/s11277-020-07862-6>.
7. S. Kumar, P. Singh, R. Sushil, P. Singh, A. Tiwari, "Microtremor measurement to evaluate site characteristics by horizontal to vertical spectral ratio technique in Sikkim, Northeast Himalayas, India", *Quaternary international*, Vol. 585, pp. 134-142, 2021. DOI: <https://doi.org/10.1016/j.quaint.2020.11.028>.
8. A. Malik, M. Aggarwal, B. Sharma and A. Singh, "Optimal Elliptic Curve Cryptography Based Effective Approach for Secure Data Storage in Clouds", *International Journal of Knowledge and Systems Science*, Vol. 11(4), pp. 65-81, 2020. DOI: <https://doi:10.4018/IJKSS.2020100105>.
9. M. Bhushan, J. Ángel G. Duarte, P. Samant, A. Kumar, A. Negi, "Classifying and resolving software product line redundancies using an ontological first-order logic rule based method", *Expert Systems with Applications*, Vol. 168, pp. 114167, 2020. DOI: <https://doi.org/10.1016/j.eswa.2020.114167>.
10. K. Pandey R, A. K. Dahiya A. Mandal, "Identifying Applications of Machine Learning and Data Analytics Based Approaches for Optimization of Upstream Petroleum Operations," *Energy Technology*, Vol. 9, pp. 2000749, 2021. DOI: <https://doi.org/10.1002/ente.20200074>.
11. A. K. Yadav, Ritika, M. L. Garg, "SecHMS- A Secure Hybrid Monitoring Scheme for Cloud Data Monitoring," *EAI Endorsed Transactions on Scalable Information Systems*, Vol. 7(4), 2020, DOI: <http://dx.doi.org/10.4108/eai.23-10-2020.166719>.
12. Barthwal, D. Acharya and D. Lohani, "Prediction and Analysis of Particulate Matter (PM2.5 and PM10) Concentrations using Machine Learning Techniques", *Journal of Ambient Intelligence and Humanized Computing*, 2021. DOI: <https://doi.org/10.1007/s12652-021-03051-w>.

13. D. Lohani, A. Barthwal and D. Acharya, "Modeling vehicle indoor air quality using sensor data analytics", *Journal of Reliable Intelligent Environments*, 2021. DOI: <https://doi.org/10.1007/s40860-021-00137-2>.
14. K. Rastogi, D. Lohani and D. Acharya, "Context-Aware Monitoring and Control of Ventilation Rate in Indoor Environments Using Internet of Things", *IEEE Internet of Things Journal*, Vol. 8(11), pp. 9257-9267, 2021, DOI: <https://doi.org/10.1109/JIOT.2021.3057919>.
15. M. Bhushan, A. Negi, P. Samant, S. Goel, A. Kumar, "A Classification and Systematic Review of Product Line Feature Model Defects", *Software Quality Journal*, Springer, Vol. 28(4), pp. 1507–1550, 2021. DOI: <https://doi.org/10.1007/s11219-020-09522-1>.
16. N. Shukla, V. Bharti, M.L. Garg, "A Greedy Technique Based Improved Approach to Solve Graph Colouring Problem", *SIS, EAI*, 2021. DOI: <https://doi.org/10.4108/eai.16-2-2021.168716>.
17. A. Singh, R. K. Ranjan, A. Tiwari, "Credit Card Fraud Detection under Extreme Imbalanced Data: A Comparative Study of Data-level Algorithms," *Journal of Experimental & Theoretical Artificial Intelligence*, Taylor and Francis, p.p. 1-28, 2021. DOI: <https://doi.org/10.1080/0952813X.2021.1907795>.
18. A. K. Yadav, Ritika, M. Garg, "Cryptographic Solution for Security Problem in Cloud Computing Storage During Global Pandemics", *International Journal of Safety and Security Engineering*, Vol. 11, No. 2, pp. 193-199, 2021. DOI: <https://doi.org/10.18280/ijss.110208>.
19. G. Verma, H. Verma and S. K. Dixit, "A hybrid ensemble machine learning model to predict success of Bollywood movies", *World Review of Entrepreneurship, Management and Sustainable Development*, Vol. 17(2-3), pp. 343-357, 2021, DOI: <https://doi.org/10.1504/WREMSD.2021.114439>.
20. A. Rawat, R. Sushil, A. Agarwal, A. Skinder, RS Bhadoria, "A New Adaptive Fault Tolerant Framework in the Cloud," *IETE Journal of Research*, Taylor & Francis United kingdom, 2021. DOI: <https://doi.org/10.1080/03772063.2021.1907231>.
21. A. Kaur, V. Puri, K. Verma, K. Shashvat, "Identification of inter-ictal activity in novel data by bagged prediction method using beta and gamma waves", *Multimedia Tools and Applications*, 2021. DOI: <https://doi.org/10.1007/s11042-021-11035-3>.
22. K. Verma, A. Kumar, M. S. U. Islam, T. Kanwar, M. Bhushan, "Rank based mobility-aware scheduling in Fog computing", *Informatics in Medicine Unlocked*, Elsevier, Vol. 24, pp. 100619, 2021. DOI: <https://doi.org/10.1016/j.imu.2021.100619>.
23. M. Srivastava, A.K Srivastava, R. Garg, & P.K. Mishra, "Performance Evaluation of the Map Reduce-based Parallel Data Preprocessing Algorithm in Web Usage Mining with Robot Detection Approaches", *IETE Technical Review*, Taylor and Francis, Vol. 38(4), pp. 1-15, 2021. DOI: <https://doi.org/10.1080/02564602.2021.1918584>.
24. B. Kumar, R. K. Ranjan, A. Husain, "A Multi-Objective Enhanced Fruit Fly Optimization (MO-EFOA) Framework for Despeckling SAR Images using DTCWT based Local Adaptive Thresholding" *International Journal of Remote Sensing*, Vol. 42, no. 14, pp. 5493-5514, 2021, DOI: <https://doi.org/10.1080/01431161.2021.1921875>

25. V. K. Yadav, R. K. Yadav, S. Verma, and S. Venkatesan. "CP2EH: A comprehensive privacy-preserving e-health scheme over cloud", *The Journal of Supercomputing*, pp. 1-31, 2021. DOI: <https://doi.org/10.1007/s11227-021-03967-2>.

Peer Reviewed Journals

1. G. Verma, S. Adhikari, (Nov. 2020), "Cloud computing security issues: A stakeholder's perspective", *SN Computer Science*, Springer, Vol. 1(6), pp. 1-8, 2020, DOI: <http://dx.doi.org/10.1007/s42979-020-00353-2>.

c. Papers in Conferences

1. C. Prakash, R.K.Saini, "A Model on IoT Security Method and Protocols for IoT Security Layers", in *Mobile Radio Communications and 5G Networks. Lecture Notes in Networks and Systems*, Springer, Singapore, Vol. 140, 2020 DOI: https://doi.org/10.1007/978-981-15-7130-5_63.
2. G.Verma and S.Adhikari, "Qualitative Perspective of live VM migration techniques in Cloud Computing", *International Conference on Applied Mathematics & Computational Sciences*, DIT University, Dehradun, INDIA. 2020, DOI: <https://doi.org/10.21467/proceedings.100.6>.
3. G.Verma and S.Adhikari, "Machine Learning Model for Prediction of Stress Levels in Students of Technical Education", *International Conference on Applied Mathematics & Computational Sciences*, DIT University, Dehradun, INDIA, 2020. DOI: <https://doi.org/10.21467/proceedings.100.5>
4. A. S. Parihar, D. Prasad, S.K. Chakraborty, "Proposed end to end automated e-voting through blockchain technology to increase voter's turnout", *International Conference on Machine intelligence & Data science applications (MIDAS 2020)*, UPES, Dehradun, India, 2020. DOI: <https://doi.org/10.1007/978-981-33-4087-9>.
5. M. Sharma and V. Bharti, "Image encryption using a new 2D bit reversed logistic map," *2020 11th International Conference on Computing, Communication and Networking Technologies (ICCCNT)*, 2020, pp. 1-6, DOI: [10.1109/ICCCNT49239.2020.9225335](https://doi.org/10.1109/ICCCNT49239.2020.9225335).
6. M. K. Saini and R. K. Saini, "Agriculture monitoring and prediction using Internet of Things (IoT)", In *6th International Conference on Parallel, Distributed and Grid Computing (PDGC)*, Wagnaghat, Solan, India, IEEE Proceeding, pp. 53-56, 2021. DOI: <https://doi.org/10.1109/PDGC50313.2020.9315836>.
7. S. Jiyal and R. K. Saini, "Prediction and Monitoring of Air Pollution Using Internet of Things (IoT)", In *6th International Conference on Parallel, Distributed and Grid Computing (PDGC)*, Wagnaghat, Solan, India, IEEE Proceeding, pp. 53-56, 2021. DOI: <https://doi.org/10.1109/PDGC50313.2020.9315836>.
8. C. Joshi, V. Bharti, R. K. Ranjan, "Botnet Detection Using Machine Learning Algorithms," *Proceedings of the International Conference on Paradigms of Computing, Communication and Data Sciences*, Springer, pp. 717-727, 2021.
9. R. K. Saini, M. Singh, P. Saini, "Improve energy-efficiency of sensors using cross-layer design technique in WSNs", in *Journal of Physics: Conference Series*, Vol. 1714, DOI: <https://doi.org/10.1088/1742-6596/1714/1/012031>.

10. N. Kumar, S. K. Yadav, D. S. Yadav, "Similarity Measure Approaches Applied in Text Document Clustering for Information", in IEEE International Conference on Parallel, Distributed and Grid Computing (IEEE PDGC), Wagnaghat, India, 2021. DOI:<https://doi.org/10.1109/PDGC50313.2020.9315851>.
11. S. Vashisht, R. Pal, H. Sharma, R.K. Saini and Kumar, "Challenges and Applications of Multimedia Big Data Computing," In 2nd International Conference on Intelligent Engineering and Management (ICIEM), Organized by Amity University, London (U.K), IEEE Proceeding, pp.435-440, 2021. DOI:10.1109/ICIEM51511.2021.9445301.
12. M. Sharma, R. K. Ranjan, V. Bharti, "A new image encryption algorithm using a bit-shifted logistic map", 2021, 12th International Conference on Computing, Communication and Networking Technologies (ICCCNT), IIT Kharagpur, 2021.
13. J. Rawat, S. Rawat, I. Kumar, J. S. Devgun, "Identification of Malignant Lymphoblast Cell in Bone Marrow using Machine Learning", International Conference on Computational Intelligence & Sustainable Technologies (ICoCIST-2021), AIS Series of Springer, 2021.
14. M. Upadhyay, J. Rawat, S. Maji, "Skin Cancer Image Classification Using Deep Neural Network Models", FICTA-2021 conference to be organized by National Institute of Technology (NIT) Mizoram, India, and publication in Springer-Smart Innovation, Systems and Technologies (SIST) Series, 2021.
15. S. Rastogi, A. Shahi and B. Kumar, "A Supervised Machine Learning Approaches Used in Heart Diseases Prediction", in the International Conference on Computational Intelligence and Computing Applications-21 (ICCICA-21), G H Rasoni College of Engineering, Nagpur, Maharashtra, India, 2021.

Books:

1. R. Sharma, R. K. Saini, Chandra Prakash (eds), "Internet of Things and Businesses in a Disruptive Economy", Series: Computer Science, Technology and Applications, ISBN: 978-1-53618-958-2, Nova, Science and Technology Publications (USA), Dec 2020.
2. R. K. Saini, H. Sharma, S. Kumar, A. Kumar "Operating System Organisation & UNIX", Yaya Publication of India, New Delhi, ISBN No. 9380712103, Edition 2021.
3. M. Mangla, A. Kumar, V. Mehta, M. Bhushan, S.N. Mohanty, Real-Life Applications of the Internet of Things: Challenges, Applications, and Advances, CRC Press, Taylor & Francis Group, 9781774638477, 2021. Available at: <https://www.appleacademicpress.com/real-lifeapplications-of-internet-of-things-challenges-applications-andadvances/9781774638477>.
4. Sisir Kumar Jena, "C Programming: Learn to Code", United Kingdom, Taylor & Francis Limited, ISBN 9781032036250, 2021. Available at: <https://www.routledge.com/C-Programming-Learn-toCode/Jena/p/book/9781032036250>.
5. Er. Krishna Kumar, Dr. Gaurav Saini, Dr. Duc Manh Nguyen, Dr. Narendra Kumar, Er. Rachna Shah, "Smart Cities: Concepts, Practices, and Applications", CRC Press, Taylor & Francis Group. Available at: <https://easychair.org/cfp/SCCPA-2021>.

Book Chapters:

1. R. K. Saini, Shailee L. Choudhary, A. Singh, and A. Verma, “Introduction to Optimization Algorithms–Bio Inspired”, In Information Security and Optimization. New York: Chapman and Hall/CRC Press, ISBN 9780367493455, 2020. DOI: <https://doi.org/10.1201/9781003045854>
2. P. Kaur, V. Bharti, S. Maji, “Predicting Psychological Disorders Using Machine Learning”, Computational Intelligence For Machine Learning And Health Care Informatics, De-Gruyter (Walter de Gruyter GmbH), 2020 pp. 99–130 DOI: <https://doi.org/10.1515/9783110648195-006>.
3. A. Kumar, N. Kumar and R. K. Saini, “To Study the effect of varying camera parameters in the process of matching and Reconstructions”, in Recent innovation in computing. Lecture Notes in Electrical Engineering, Springer, Singapore, Vol. 701, DOI: https://doi.org/10.1007/978-981-15-8297-4_40.
4. R. Arya, A. Kumar, M. Bhushan, “Affect Recognition using Brain Signals: A Survey”, In: Singh V., Asari V.K., Kumar S., Patel R.B. (eds) Computational Methods and Data Engineering. Advances in Intelligent Systems and Computing, Springer, Singapore Vol. 1257, 2021. DOI: https://doi.org/10.1007/978-981-15-7907-3_40.
5. S. Sharma, A. Kumar, M. Bhushan, N. Goyal, S. S. Iyer, “Is Blockchain Technology Secure to Work On?”, in Blockchain and AI Technology in the Industrial Internet of Things, edited by Subhendu Kumar Pani , Sian Lun Lau , and Xingcheng Liu, pp. 66-80. Hershey, IGI Global, 2021. DOI: <http://doi:10.4018/978-1-7998-6694-7.ch005>.
6. K. Kumar, R. P. Singh, P. Ranjan, N. Kumar, “Daily Plant Load Analysis of a Hydropower Plant Using Machine Learning Algorithms for Intelligent Systems”, Applications of Artificial Intelligence in Engineering, Springer Nature Singapore pp. 819–826, 2021. DOI: http://doi:10.1007/978-981-33-4604-8_65.
7. K. Kumar, R. Shah , N. Kumar, R. P. Singh, “Application of Robotic Process Automation Algorithms for Intelligent Systems”, Applications of Artificial Intelligence in Engineering, Springer Nature Singapore pp. 819–826, 2021. DOI: http://doi:10.1007/978-981-33-4604-8_75.
8. N. Kumar, R.K. Singh “A Recent Survey of SVD and DWT-Based Digital Image Watermarking Theories and Techniques: A Review”, in Big Data, Machine Learning and Applications, Lecture Notes in Networks and Systems Springer Nature, 2021. DOI: https://doi.org/10.1007/978-981-33-4788-5_15.

List of Research Projects

S. No.	Title of the Project	Project Investigator/s	Funding Agency	Amount (in INR)	Status
1	Kisan Seva Portal	Dr. V Kumar & Dr. V Bharti	Seed Money Grant by DITU	1.15 L	Completed

Master's thesis Details (Completed)

S. No.	Student	Title of Thesis	Supervisor/(s)
1	Yash Sharma	MAC Based Security Integration Strategies In Cloud Environment	Dr. Neeraj Kumar Pandey
2	Vishakha Arya	Sentiment Analysis on the onset of Covid-19 using Machine Learning	Dr. Amit Kumar Mishra
3	Sonali Raturi	Fake News Detection on Social Media using Machine Learning	Dr. Amit Kumar Mishra, Dr.Srabanti Maji
4	Mayank Upadhyay	Analysis and Classification of Skin Cancer Prediction using Machine Learning	Dr. Srabanti Maji, Dr. Jyoti Rawat
5	Pranjal Agarwal	Vertical Linear Object Detection using LiDAR Dataset	Dr. Arshad Hussain, Dr. Ranjeet Kumar Ranjan

Ph.D thesis Details

S. No.	Research Scholar	Title of Thesis	Supervisor/(s)	Status
1	Ajay Kumar	Design of Machine Learning Based Approach for Predication of Cancer Using Big Data Analytics	Dr. Rama Sushil and Dr. Arvind Kumar Tiwari, (Associate Professor, KNIT Sultanpur)	Submitted
2	Ajay Narayan Shukla	An Improved Approach to Solve Graph Colouring Problem	Dr. Vishal Bharti and Dr. M. L. Garg	Submitted
3	Anuj Kumar Yadav	An Approach for Enhanced Security in Cloud Computing Environment	Dr. Ritika and Dr. M. L. Garg	Submitted
4	Ankita Tyagi	Optimized Intelligent Disease Prediction and Classification Using Improved Machine Learning Techniques	Dr. Ritika and Dr. Rakesh Saini	Ongoing
5	Nafees Akhter Farooqui	Novel Machine Learning for Real World Data	Dr. Amit Kumar Mishra and Dr. Ritika	Ongoing
6	Mohammed Ahsan Raza Noori	Event detection from social media using Big Data Techniques	Dr. Bharti Sharma and Dr. Ritika	Ongoing
7	Abhay Narayan Tripathi	Predictive Modelling of Traffic follow prediction using machine leraning techniques	Dr. Bharti Sharma	Ongoing
8	Farouq Sadik Bashir	Medical Image Analysis Using Deep learning Technique	Dr. Sarvesh Vishwakarma	Ongoing
9	Mehtab Mehdi	Prediction of Ground water Quality Index Using Dara Mining Techniques	Dr. Bharti Sharma	Ongoing

10	Bibek Kumar	Object Recognition in Synthetic Aperture Radar (SAR) Image Using Deep Learning Approaches.	Dr. Ranjeet Kumar Ranjan and Dr. Arshad Husain	Ongoing
11	Chirag Joshi	BOTNET Detection Using Machine Learning	Dr. Ranjeet Kumar Ranjan and Dr. Vishal Bharti	Ongoing
12	Madhu Sharma	Image Based Implementation of Chaotic Maps in Cryptography	Dr. Ranjeet Kumar Ranjan and Dr. Vishal Bharti	Ongoing
13	Moumita Ghosh	Improved energy efficient scheme for multi-sink WSN deployed in 3-dimensional Cartesian plane	Dr. Rama Sushil	Ongoing
14	Aditi Nautiyal	Machine Learning Approach for Intelligent Prediction of petroleum upstram stuck pipe challenge using realtime data	Dr. Amit Kumar Mishra	Ongoing
15	Ankit Agarwal	Design and Validation of an efficient Machine Learning Technique for Heart Diseases Prediction	Dr. Rama Sushil	Ongoing
16	Anurag Shrivastava	Automated Melting Point determination of Chemical Substances using Image Change Detection	Dr. Rama Sushil	Ongoing
17	Ena Jain	Monitoring and Modelling Air Quality using Internet of Things	Dr. Debopam Acharya	Ongoing
18	Himanshi Agrawal	Analysis and Classification of Skin disorders using image processing	Dr. Jyoti Rawat Assistant	Ongoing
19	Mayank Sah	Analysing and Predicting Landslide Based on the Changing Flora in Kumaun and Garhwal Hills of Uttarakahnd Using Image Processing and Deep Learning Techniques	Dr. Sarvesh Vishwakarma	Ongoing
20	Mohit Saini	Predictions Model for Smart Agriculture using Clustering and Internet of Things (IoT)	Dr. Rakesh Kumar Saini	Ongoing
21	Pooja Gupta	Predictive Modelling of Stress/ Anxiety Disorder Using Machine Learning	Dr. Srabanti Maji and Dr. Ritika	Ongoing
22	Richa Singhai	Development of Block Chain and Machine Learning Based Security Model for IOT Network	Dr. Rama Sushil	Ongoing
23	Sanjeev Sharma	A Nature Inspired Resource Allocation Approach in Cloud Environment	Dr. Neeraj Kumar Pandey	Ongoing

24	Tarun Kumar	Development of Sensor Fusion Framework for Road Surface Monitoring	Dr. Debopam Acharya	Ongoing
25	Manisha Verma	Course Work Completed	Dr. Bharti Sharma	Ongoing
26	Maneesha	Course Work Completed	Dr. Jyoti Rawat and Dr. Kriti	Ongoing
27	Ashutosh Kumar	Course Work Completed	Dr. Garima Verma	Ongoing
28	Sonia Tyagi	Course Work Completed	Dr. Debopam Acharya	Ongoing
29	Diwaker Morya	Course Work Completed	Dr. Kriti	Ongoing
30	Chandra Prakash	Course Work Completed	Dr. Anurag Barthwal and Dr. Debopam Acharya	Ongoing
31	Meghavi Rana	Course Work Completed	Dr. Megha	Ongoing

FDP/FIP/FAP/SDP attended by faculty members

FDP

S. No.	Faculty	Title	Organized by	Date
1	Dr. Rakesh Kumar Saini	Machine Learning for Natural Language Processing and Internet of Things	IIT Roorkee	22-26 Jan-2021
2	Dr. Rama Sushil	NEP 2020: Inculcating Research Culture in Teaching and Learning Process	Central university of Rajasthan	22-26 Feb-2021
3	Dr. Srabanti Maji	Application of AI in Bioinformatics and Biomedical science	Akka mahadevi Womens University, Vijayapura	26 Jan-6 Feb-2021
4	Ashish Singh Parihar	Entrepreneurship & Regional Development	NIT Arunachal Pradesh	22- 26 Feb-2021
5	Chandra Prakash	Internet of Things (IoT)	Siksha-O-Anusandhan University	21-25 Jan-2021
6	Naveen Kumar	Machine Learning for Natural Language Processing and Internet of Things	Indian Institute of Technology, Roorkee	22-26 Jan-2021
7	Naveen Kumar	Deep Learning and Its Applications	Indian Institute of Technology, Roorkee	08-12 Mar- 2021
8	Nitin Thapliyal	Machine Learning	Online	9-15 Feb-2021

9	Nitin Thapliyal	NEP	Central University of Rajasthan	22-26 Feb-2021
10	Ruchi Sharma	System Engineering	Online	01-05 Feb-2021
11	Neeraj Rathor	Artificial Intelligence	IIT, Ropar	01-05 Oct-2020
12	Neeraj Rathor	Technology as a Bridge in different domains of life during COVID- 19 Conducted	BTKIT, Dwarahat	19-23 Oct-2020
13	Neeraj Rathor	Multidisciplinary Research Innovation in Engineering	BTKIT, Dwarahat	26 Oct -07 Nov-2020
14	Neeraj Rathor	Artificial Intelligence	ABV-IIITM, Gwalior	23-27 Nov-2020
15	Anuj Kumar Yadav	Multidisciplinary Research Innovation in Engineering, Science and Technology for Sustainable Development	BTKIT, Almora	26 Oct -07 Nov-2020
16	Anuj Kumar Yadav	Foundation and Practical Aspects of Cyber Security	DR B.C. ROY Engineering College, Durgapur	15-19 Dec-2020
17	Dr. Narendra Kumar	Multidisciplinary Research Innovation in Engineering, Science and Technology for Sustainable Development	BTKIT, Dwarahat	26 Oct-07 Nov-2020
18	Dr. Jyoti Rawat	Bioinformatics, Big Data & Drug Discovery: Prospects and Challenges	Online	14-24 Sept-2020
19	Dr. Jyoti Rawat	Deep Learning & Computational Intelligence in Internet Era	GBPIET, Pauri Garhwal	27-31 Jul-2020
20	Dr. Jyoti Rawat	Block chain and Its Applications	GBPIET, Pauri Garhwal	20-24 Jul-2020
21	Dr. Soumen Kanrar	Artificial Intelligence using Python	Brainovision Solutions India Pvt. Ltd.	14-19 Sept- 2020
22	Dr. Soumen Kanrar	Recent Trends in Management	GATES Institute of Technology	13-19 Jul-2020
23	Dr. Soumen Kanrar	Cyber Security	IIT, Kanpur	6-10 Jul-2020
24	Ashish Singh Parihar	Data Sciences	Tripura Institute of Technology	24-28 Aug- 2020
25	Ashish Singh Parihar	Artificial Intelligence	College of Engineering & Management, Kolaghat	24-28 Aug- 2020

26	Dr. Narendra Kumar	Cloud System Administration	IIT, Kanpur	27-31 Jul-2020
27	Chandra Prakash	Internet of Things (IoT) Enabled Devices in Various Domain of Engineering	B. T. Kumaon Institute of Technology	21-25 Sept 2020
28	Zia Ur Rehman	Cyber Security	IIT, Kanpur	6-10 Jul-2020
29	Ankit Agarwal	Remote Sensing & GIS Technology and Applications for University Teachers & Government Officials	IIRS, Dehradun	13 Jun- 01 Jul-2020
30	Ankit Agarwal	Advanced Excel with Data Visualization	IIT, Kanpur	6-10 Jul-2020
31	Ankit Agarwal	Cryptology	JNU, New Delhi	22 – 26 Jul-2020
32	Ankit Agarwal	SCILAB	IIT, Bombay	10-14 Aug-2020
33	Diwaker	Future Nano Electronic Devices & Circuits	MGIT, Hyderabad	6-10 Jul-2020
34	Anurag Shrivastava	Future Nano Electronic Devices & Circuits	MGIT, Hyderabad	6-10 Jul-2020
35	Dr. Srabanti Maji	Data Analytics With Python	Online	22-26 Jun-2020
36	Ruchi Sharma	Advanced Excel with data visualization	IIT, Kanpur	6-10 Jul-2020
37	Ruchi Sharma	Data Science with R programming	Online	10-21 Aug-2020
38	Nitin Thapliyal	Remote Sensing & GIS Technology and Applications for University Teachers & Government Officials	IIRS, Dehradun	13 Jun – 01 Jul-2020
39	Devendra Prasad	ML in Research Perspective	St. Joseph's Institute of Technology, Chennai	18-22 Jul-2020
40	Anuj Kumar Yadav	Cloud Computing With Microsoft Azure	Department of CSE, KITSW	22-29 Jul-2020
41	Kushal Gupta	Python	IITB	22 Jun-04 Jul-2020
42	Kushal Gupta	Java Programming	Syed Ammal Engineering College, Ramanathapuram	6-11 Jul-2020

Conferences/workshop/seminars/ webinars attended by faculty members

S. No.	Faculty	Title	Organized by	Date
1	Dr. Garima Verma	1st Virtual International Conference on Rural Tourism – Challenges- Scope and Entrepreneurship Development	DIT University	12-13 Sept-2020
2	Dr. Soumen Kanrar	National Instructional Workshop on Cryptology	JNU- New Delhi	22-26 Jul-2020
3	Ashish Singh Parihar	Data Science	NIT Arunachal Pradesh	04-08 Aug- 2020
4	Dr. Narendra Kumar	Industrial scope of Image Processing and Computer Vision	St. Joseph's College of Engineering- Chennai	06-07 Jul-2020
5	Chandra Prakash	Internet of Things (IoT) Enabled Devices in Various Domain of Engineering	B. T. Kumaon Institute of Technology- Dwarahat- Almora	21-25 Sept-2020
6	Pooja Gupta	International conference on Modeling- Simulation and Optimization 2020	NIT Silchar	03-05 Aug-2020
7	Dr. Mitali Srivastava	Machine Learning using Python	University of Calcutta	24- 28 Aug-2020
8	Anuj Kumar Yadav	Cloud Computing with Microsoft Azure	Department of CSE- KITSW	22-29 Jul-2020
9	Saurabh Kumar	Emerging Trends in Artificial Intelligence & Data Science	DIT University Dehradun	09-Jul-2020
10	Dr. Anil Kumar Dahiya	ICETMDE-2020	Online mode	15-Dec-2020
11	Dr. Priyanka Dahiya	5thIEEE Conference ICRAIE 2020	Jaipur- India	02-Dec-2020
12	Dr. Rakesh Kumar Saini	IC4S-2020	Krishna Engineering College- Ghaziabad	03-04 Oct-2020
13	Dr. Rakesh Kumar Saini	FTNCT-2020	Southern federal University- Russia	14-16 Oct-2020
14	Dr. Rakesh Kumar Saini	CONSILIO-2020	Consilio Intelligence Research Lab- Noida	24-25 Oct-2020
15	Dr. Rakesh Kumar Saini	6th International Conference on Parallel- Distributed and Grid Computing (PDGC)	Jaypee University of information echnology- Solan	06-08 Nov-2020

16	A K Yadav	Fuzzy Logic Systems in Engineering Applications (FLSEA 21)	TEQIP-III Sponsored	15-19 Mar-2021
17	A S Parihar	Entrepreneurship & Regional Development	NIT Arunachal Pradesh	22-26 Feb-2021
18	Dr. R. Sushil	Cloud and network security mechanism	IIT (ISM) Dhanbad	02-06 Nov-2020
19	Dr. R. Sushil	Artificial Intelligence is a need for health care	Indrashil University-Gujrat	10-Mar-2021
20	Dr. R. Sushil	Artificial Intelligence in health sciences	DIT University	07 Jan-2021

Conferences/workshop/seminars/webinars organized by the School

S. No.	Title	Convener /Organizing Secretary	Date	Remarks
1	Expert Lecture Series on Future Aspects in Intelligence- Machine Learning and Big Data Analytics	Dr. Debopam Acharya- Dr. Rama Sushil- Dr. Megha Bhushan- Dr. Shashvat and Dr. Arshpreet Kaur	24-Apr-2021	DIT University Experts: Dr. Sandeep Kumar Sood- N.I.T Kurukshetra- Dr. Sudarshan Iyengar- IIT- Ropar- Dr. Lalit Garg- University of Malta
2	Emerging Trends in Artificial Intelligence & Data Science	Dr. Anil Kumar Dahiya	09-Jul-2020	DIT University Expert: Prof. Lance C.C. Fung- Emeritus Professor- Murdoch University


Under Graduate Projects

Total Number of Projects	Projects domains
357	Artificial Intelligence
	Data Science
	Big Data Analytics
	Web Applications Development
	Mobile Apps Development
	Internet of Things

Patents (Granted/Published/Filed)

S. No.	Name of Applicant/s	Name of Inventor/s	Title with name of patent agency	Status
1	A. Kumar- M. Bhushan- P. Samant- S.K. Tiwari- R. Gupta- S. Gupta- A. Negi- S. Bansal- G. Kaur- H. Taneja- I.S. Dhindsa- J.S. Negi	A. Kumar- M. Bhushan- P. Samant- S.K. Tiwari- R. Gupta- S. Gupta- A. Negi- S. Bansal- G. Kaur- H. Taneja- I.S. Dhindsa- J.S. Negi	Intelligent Shoe Rack- Australian Patent	Granted
2	S. S. Harakannanavar- N. Kumar- S. Mayannavar- R. Rastogi- A. Anurag- P.P. Gandhi- S.K. Angadi- S. Srivastava- A. Mohan- S. Rajak- A. K. Varma- A. Bora- B. R. N. Singh	A. Aeron- S.K. Angadi- A. Bora- P.P. Gandhi- S. S. Harakannanava- N. Kumar- S. Mayannavar- A. Mohan- S. Rajak- R. Rastogi- B. R. N. Singh- S. Srivastava- A. K. Varma-	An Artificial Intelligence Based Heart Disease Monitoring System- Australian Patent	Granted
3	DIT University- Dehradun	R. Sushil- Diwaker- A. Shrivastava- A. Agarwal	IoT Based Emergency Healthcare System- Indian Patent	Published
4	K. Shashvat- N. Goyal- H. Taneja- A. Pal- G. Sharma	K. Shashvat- N. Goyal- H. Taneja- A. Pal- G. Sharma	Method and System for Sanitizing a Toilet Seat- Indian Patent	Published

National/International Award/Recognition received by faculty members

S. No.	Name of Faculty Member	Name of Award	Awarding Agency	Photograph
1	Dr. Rama Sushil	Teacher of the year Award	Divya Himgiri Foundation- Uttarakhand	

School of Engineering and Technology

S. No.	Program offered	Year of Establishment
1	B.Tech in Civil Engineering	2013
2	M.Tech in Structural Engineering	2015
3	Ph.D. in Civil Engineering	2017
4	B. Tech in Electronics and Communication Engineering	2013
5	B. Tech in Electrical Engineering	2013
6	M. Tech in M.Tech in Electrical Engineering	2013
7	Ph.D. in Electronics & Communication Engineering	2013
8	Ph.D. in Electrical Engineering	2013
9	B. Tech in Mechanical Engineering	2013
10	B. Tech in Mechanical Engineering with Specialization in Automobiles	2016
11	B. Tech in Robotics & Automation Engineering	2021
12	M. Tech in Mechanical Engineering	2013
13	Ph.D. in Mechanical Engineering	2013
14	B. Tech in Petroleum Engineering	2013
15	Ph.D. in Petroleum Engineering	2014

School of Engineering and Technology

S. No.	Name of Faculty Member	Designation	Date of Joining	Specialization
Civil Engineering				
1	Prof. S. Biswas	Professor	19-Oct-2020	Finite Element Analysis
2	Prof. B.K. Singh	Professor	17-Jul-2019	Structural design- Cost-Effective Construction Technology- Innovative & Smart Materials for Civil
3	Dr. Tarumay Ghoshal	Associate Professor	14-Jul-2015	Ocean-Atmospheric Interaction- Water & Air Quality monitoring
4	Dr. Rana Acharyya	Associate Professor	24-Aug-2020	Skirted Foundation- Pile-Raft Foundation- Soil-Structure Interaction
5	Dr. Mansha Swami	Associate Professor	06-Jan-2020	Urban Traffic management- Urban Public Transportation- Highway Design
6	Dr. Manoj Verma	Associate Professor	18-Jan-2021	Fatigue of RCC structures- fracture mechanics- integral bridge- vehicle-bridge interaction
7	Dr. Kanan Thakkar	Associate Professor	09-Feb-2021	Smart materials- applications of shape memory alloys in structural engineering
8	Ms. Dipika Keshri	Associate Professor	14-Jul-2012	Remote Sensing & GIS application- Geological studies
9	Mr. Harsh Goyal	Associate Professor	17-Jul-2017	River water quality- Solid waste management- Green Buildings
10	Mr. Himanshu Pratap Singh	Associate Professor	21-Jan-2021	CFD analysis of multiphase flows through pipeline

Electrical and Electronics & Communication Engineering

1	Dr. Sonika Singh	Associate Professor & Head	25-Apr-2000	Wireless Communication and Photonic Devices
2	Dr. Gagan Singh	Professor	22-Mar-2000	Power System- Control System and Instrumentation
3	Dr. Gaurav Dhiman	Assistant Professor - 1	05-Jan-2021	VLSI Design- Semiconductor Devices
4	Dr. Nafees Ahamad	Assistant Professor - 1	28-Aug-2002	Control System- Model Order Reduction- Application of Optimization Algorithms
5	Dr. Brajlata Chauhan	Assistant Professor - 1	22-Sep-2012	Microwave and Microstrip Modern Antenna- Microwave and optical communication-Photonics

6	Dr. Santosh Kumar	Assistant Professor - II	01-Jul-2014	Optical Fiber Sensors- Waveguide & Interferometer- Nano & Bio-Photonics
7	Mr. Mohamed Samir	Assistant Professor - II	28-Oct-2003	Power System - Distributed Generation- Renewable Energy Sources.
8	Mr. Vivek Kumar Gupta	Assistant Professor - II	01-Aug-2005	Digital Communication- Wireless Communication- Ofdm Systems
9	Mr. Prabha Shanker Sharma	Assistant Professor - II	15-Dec-2006	Wireless Communication- Optical Communication and Devices
10	Dr. Dhruva Chaudhary	Assistant Professor - II	13-Mar-2010	Communication and Leaky Wave Antenna
11	Dr. Dhruva Chaudhary	Assistant Professor - II	08-Oct-2012	Development of Optical fiber based Bio-Sensors for Biomedical Applications
12	Mr. Saurabh Mishra	Assistant Professor - III	01-Nov-2012	Wireless Sensor Networks- Analog Circuits
13	Mr. Bhanu Prakash Saripalli	Assistant Professor - III	31-Jan-2013	Renewable Energy- Power Electronics and Drives Photonics- Plasmonics- Biosensor
14	Dr. Amrindra Pal	Assistant Professor - III	15-Jul-2013	Photonics- Plasmonics- Biosensor
15	Mr. Saurabh Awasthi	Assistant Professor - III	03-Jul-2014	Renewable Energy system- Distributed generation- Smart Grid
16	Dr. Abhinandan Routray	Assistant Professor - III	14-Dec-2020	Electric Vehicles- Renewable Energy Integration- Optimization- Predictive Control- PV Inverters

Mechanical Engineering

1	Dr. Manoj Kumar	Professor & Head	01-Aug-2005	Heat Transfer
2	Dr. Yogesh Kumar Tyagi	Professor & CoE	10-Jul- 2010	Polymer Composite
3	Dr. Anil Kumar Patil	Associate Professor	11-Mar-2008	Heat Transfer and Thermal Engineering
4	Dr. Anshuman Das	Assistant Professor	12-Feb-2021	Design and Advanced Manufacturing
5	Dr. Subodh Kumar	Assistant Professor	17-Jul-2017	Welding
6	Mr. Rajan Raman	Assistant Professor	18-Oct-1998	Materials- Automobiles- thermodynamics
7	Mr. Rajeev Pandey	Assistant Professor	23-Oct-2003	Thermal. Strength of Materials- Heat transfer- Solar thermal
8	Mr. Ravi Kumar	Assistant Professor	17-Mar-2004	Thermal Engineering and Power plant

9	Mr. Pankaj Singh Chandel	Assistant Professor	03-Aug-2007	Composite Materials
10	Mr. Bipin Kumar	Assistant Professor	11-Oct-2010	Thermal- Heat Transfer- Solar-Fluid Mechanics
11	Mr. Jai Prakash Agrawal	Assistant Professor	27-Jun-2016	Production
12	Mr. Nalin Somani	Assistant Professor	28-Dec-2016	Materials

Petroleum Engineering

1	Mr. Rahul Ganju	Assistant Professor	01-Jan-2018	Drilling Optimization- Surface Logging
2	Mr. Gaurav Richhariya	Assistant Professor	18-Jul-2014	Drilling Logging- Exploration & Cements
3	Mr. Gopal Kumar	Assistant Professor	11-Jul-2015	Oil Spill- Reservoir- Carbon Capture & Sequestration
4	Mr. Rakesh Pandey	Assistant Professor	17-Sep-2018	Well Test Interpretation- Machine Learning

List of Publications

Civil Engineering

SCI/Scopus indexed Journals

1. R. Acharyya- “Assessment of overall response of interacting skirted strip footings located on layered soil”- Sadhana- Springer- Vol. 46(16)- 2021. DOI: <https://doi.org/10.1007/s12046-020-01547-3>.

Papers in Conferences

1. A. Kumar & M. Dimri- “Performance assessment of step-back dual systems by UPBD method”- in 1st international conference on Recent Advances in Computational and Experimental Mechanics (ICRACEM-2020)- IIT Kharagpur- India- 2020.
2. M. Dimri- A. Kumar- “Seismic performance evaluation of step-back RC buildings with and without infill walls”- in 1st international conference on Recent Advances in Computational and Experimental Mechanics (ICRACEM-2020)- IIT Kharagpur- India- 2020.

Electrical and Electronics & Communication Engineering

SCI/Scopus indexed Journals

1. K. Choudhary- A. Kaushik- A. Semwal- S. Mishra- S. Kumar- “Implementation of an optical universal one-bit arithmetic logical circuit for high-speed processing combinational circuits”- Optical and Quantum Electronics- Vol. 52- 432- 2020. DOI: <https://doi.org/10.1007/s11082-020-02549-5>.
2. D. G. S. Rao- V. Palacharla- S. Swarnakar- with S. Kumar- “Design of all-optical D-Flip Flop using photonic crystal waveguides for optical computing and networking”- Applied Optics- Vol. 59- pp. 7139-7143- 2020. DOI: <https://doi.org/10.1364/AO.400223>.
3. D.G. Rao- S. Swarnakar- V. Palacharla- K. S. Raju- S. Kumar- “Design of all-optical AND- OR- XOR logic gates using photonic crystals for switching applications”- Photonic Network Communications- Vol. 41- 109- 2021. DOI: <https://doi.org/10.1007/s11107-020-00916-6>.
4. D. G. S. Rao- S. Swarnakar- S. Kumar- “Design of all-optical reversible logic gates using photonic crystal waveguides for optical computing and photonic integrated circuits”- Applied Optics- Vol. 59- pp. 11003- 2020. DOI: <https://doi.org/10.1364/AO.409404>.
5. S. Kumar- R. Singh- “Recent optical sensing technologies for the detection of various biomolecules: Review”- Optics and Laser Technology- Vol. 134- pp. 106620- 2020. DOI: <https://doi.org/10.1016/j.optlastec.2020.106620>.
6. R. A. Pagare- S. Kumar- A. Mishra- “Design and analysis of hybrid optical distribution network for worst-case scenario of E2-class symmetric coexistence 80 Gbps TWDM NG-PON 2 architecture for FTTX access networks”- Optik- Vol. 228- pp. 166168- 2020. DOI: <https://doi.org/10.1016/j.ijleo.2020.166168>.

7. G. Zhu- L. Singh- Y. Wang- R. Singh- B. Zhang- F. Z. Liu- B. K. Kaushik- S. Kumar- "Tapered optical fiber based LSPR biosensors for ascorbic acid detection"- Photonic Sensors- Vol. 315- 2020- DOI: <https://doi.org/70.1007/s73320-020-0605-2>.
8. D. G. S. Rao- S. Swarnakar- S. Kumar- "Design of photonic crystal based all-optical 2 x 1 multiplexer for optical processing devices"- Microelectronic- Vol. 112- pp. 105046- 2021. DOI: <https://doi.org/10.1016/j.mejo.2021.105046>.
9. S. Swarnakar- A. Guddati- S. K. Reddy- R. Harijan- S. Kumar- "Performance analysis of optimized plasmonic half-adder circuit using Mach-Zehnder interferometer for high-speed switching applications"- Microelectronics- Vol. 111- pp. 105040- 2021. DOI: <https://doi.org/10.1016/j.mejo.2021.105040>.
10. K. Choudhary- A. Singh- A. Singh- D. Chaudhary- S. Kumar- "Implementation of highly optimized optical all logic gates on a single chip using Ti-diffused lithium-niobate for high-speed processing in combinational circuits"- Microelectronics- Vol. 111- pp. 105048- 2021. DOI: <https://doi.org/10.1016/j.mejo.2021.105048>.
11. N. Ahamad- A. Sikander- "A novel approach of order diminution using time moment concept with Routh array and Salp Swarm algorithm"- Turkish Journal of Electrical Engineering & Computer Sciences- 29- 2021. DOI: [dx.doi.org/10.3906/elk-2005-120](https://doi.org/10.3906/elk-2005-120).
12. A. Pal- A. Jha- "A Theoretical Analysis on Sensitivity improvement of an SPR Refractive Index Sensor with Graphene and Barium Titanate Nanosheets"- Optik- Vol. 231- pp. 166378 2021. DOI: <https://doi.org/10.1016/j.ijleo.2021.166378>.
13. A. Pal- Md. Z. Ahmed- S. Swarnakar- "An Optimized Design of All-optical XOR- OR- and NOT Gates Using Plasmonic Waveguide"- Optical and Quantum Electronics- Vol. 53- 84- 2021. DOI: <https://doi.org/10.1007/s11082-021-02732-2>.
14. B. Sharma- V. K. Srivastava- A. Pal- A. Pratap- S. Sharma- "Design of Multiplexer Circuit using Electro Optic Effect based Optical Waveguide"- Journal of Optical Communications- 2020. DOI: <https://doi.org/10.1515/joc-2020-0163>.

Papers in Conferences

1. K. Choudhary- S. Mishra- S. Singh- S. Kumar- "Design of all-optical OR/NANO logic gate using plasmonic metal-insulator-metal waveguide"- Proc. SPIE 11680- Physics and Simulation of Optoelectronic Devices- 2021. DOI: <https://doi.org/10.1117/12.2576753>.
2. A. Routray- G. Dhiman- S. Singh- G. Singh- "Sensor Less Indirect Vector Control of Induction Motor Drive using Fuzzy PID based Model Reference Adaptive Control"- 2021- IEEE International Conference for Emerging in Technology- INCET-2021- Bangalore- India- 2021.
3. G. Dhiman- A. Routray- S. Singh- G. Singh- "Analysis of Short Channel Effects for Junction Less MOSFET with Metal Gates and 1-nm-K Spacers"- IEEE International Conference for Emerging in Technology- INCET-2021- Bangalore- India- 2021.

Books/Book Chapters

4. N. Ahamad- Afzal Sikander- and G. Singh- “A New Classical Method of Reduced-Order Modelling and AYR System Control Design”- In Control Applications in Modern Power System- pp. 89-98. Springer- Singapore- 2020.
1. P. Nigam- A. Muduli- S. Sharma- A. Pal- “The Substrate Integrated Waveguide Based Dumbbell-shaped Self Diplexing Cross Slot Antenna”- Advances in Systems Engineering (Springer Nature Singapore) pp. 523-534- 2021. DOI: https://doi.org/10.1007/978-981-15-8025-3_51.
5. P. Nigam- S. Sharma- A. Muduli- A. Pal (2021)- “Highly Isolated Self-Multiplexing 5G Antenna for IoT Applications”- In: Tanwar S. (eds) Blockchain for 5G-Enabled IoT. Springer- Cham.- 2021- DOI: https://doi.org/10.1007/978-3-030-67490-8_23.
2. A. Pal- B. Chauhan- V. K. Srivastava- S. Vijay- “Conformal wearable antenna design- implementation and challenges”- Next Generation Antennas: Advancement and Challenges- Wiley.
3. S. B. Prakash- G. Singh- “Bidirectional Buck-Boost Converter in Solar PV system for Supercapacitor Energy Storage System”- in Algorithms for Intelligent Systems: Smart and Intelligent systems- Springer Nature Book Series- 2021. DOI: <https://doi.org/10.1007/978-981-16-2109-3>.
4. S. B. Prakash- G. Singh- “Development of Comprehensive Modelling and Simulation of Photovoltaic Module”- in Algorithms for Intelligent Systems: Smart and Intelligent systems- Springer Nature Book Series- 2021- <https://doi.org/10.1007/978-981-16-2109-3>.

Mechanical Engineering

SCI/Scopus indexed Journals

1. R. Maithani- A. Kumar- G. Raghav- M. Nagpal & B. Kumar- “Thermal analysis of jet impingement on hemispherical protrusion on heated surface-” Experimental Heat Transfer- pp. 1-16 2020. DOI: <https://doi.org/10.1080/08916152.2020.1808117>.
2. Srivastava- F. Singh- A. Kotia- S. K. Ghosh- “MWCNT and graphene nanoparticles additives for energy efficiency in engine oil with regression modeling-” Journal of Thermal Analysis and Calorimetry- 2020. DOI: <https://doi.org/10.1007/s10973-02010377-8>.
3. G.P. Srivastava- A.K. Patil- M. Kumar- “Parametric effect of diverging perforated cones on the thermo-hydraulic performance of a heat exchanger tube”- Heat Mass Transfer- 2020. DOI: <https://doi.org/10.1007/s00231-021-03035-8>.
4. R. Kumar- A.K. Pathak- M. Kumar- A. K. Patil- “Experimental study of multi tubular sensible heat storage system fitted with wire coil inserts”- Renewable Energy- Vol 164- pp. 1244- 2021. DOI: <https://doi.org/10.1016/j.renene.2020.10.058>.
5. A. K. Jain- M. Kumar- G. D. Thakre- “Potential of CuS and CuO nanoparticles for friction reduction in piston ring-liner contact”- Tribology - Materials- Surfaces & Interfaces- pp 1-4- 2021. DOI: <https://doi.org/10.1080/17515831.2020.1871244>.
6. R. Kumar- A.K. Patil- M. Kumar- “Charging and Discharging Characteristics of Sensible Energy Storage System with Multiple Cylindrical Passages”- Journal of Energy Resources Technology- Vol. 143(9)- pp. 092001- 2021. DOI: <https://doi.org/10.1115/1.4051395>.

8. S. Kumar- A. S. Shahi- V. Sharma- D. Malhotra- “Effect of welding heat input and post-weld thermal aging on the sensitization and pitting corrosion behavior of AISI 304L stainless steel butt welds”- *Journal of Materials Engineering and Performance*- Vol. 30- pp. 1619- 1640- 2021. DOI: <https://doi.org/10.1007/s11665-021-05454-4>.
9. B. Kumar- A.K. Patil- M. Kumar- “Second law analysis of heat exchanger tube fitted with twisted tape insert having multiple V cuts and perforations”- *Heat Transfer Research*- Vol. 52 (7)- pp. 17-34- 2021 DOI: <https://doi.org/10.1615/HeatTransRes.2021036514>.
10. R. Bahuguna- K.K.S. Mer- M. Kumar- S. Chamoli- “Entropy generations analysis in A tube heat exchanger integrated with triple blade vortex generator inserts”- *Energy Sources- Part A: Recovery- Utilization- and Environmental Effects*- pp. 1-19- 2021. DOI: <https://doi.org/10.1080/15567036.2021.1918291>.
11. N. K. Gupta- N. Somani- C. Prakash- R. Singh- A. Waila- S. Singh- C. Pruncu- “ Revealing the WEDM Process Parameters for Machining of Pure and Heat Treated Titanium (Ti-6Al4V) Alloy”- *Materials*- Vol. 14- pp. 2292- 2021. DOI: <https://doi.org/10.3390/ma14092292>.

Papers in Conferences

1. G.P. Srivastava- A. K. Patil- M. Kumar- “An Experimental Investigation of Thermal and Frictional Characteristics by Varying the Location of the Perforation in the Conical Insert of a Heat Exchanger Tube”- *National Conference on materials- Mechanics & Modelling- NIT Jamshedpur- 2020*.
2. Subodh Kumar- Bhuvnesh Bhardwaj- Varun Sharma- and Shailender Singh Bhadauria- “Effect of welding speed on the metallurgical and corrosion performance of AISI 316 SS welded joints”- *International Conference on Industrial and Manufacturing Systems (CIMS-2020)- N.I.T. Jalandhar- Punjab- India- 2020*.
3. Bhuvnesh Bhardwaj- Subodh Kumar- Varun Sharma- and Shailender Singh Bhadauria- “Effect of friction welding conditions on the mechanical properties of welded joints during welding of dissimilar materials”- *International Conference on Industrial and Manufacturing Systems (CIMS-2020)- N.I.T. Jalandhar- Punjab- India- 2020*.

SCI/Scopus indexed Journals

1. G. Kumar- D.T. K. Dora- D. Jadev- A. Naudiyal- A. Singh- T. Roy- “Utilization and regeneration of waste sugarcane bagasse as a novel robust aerogel as an effective thermal- acoustic insulator- and oil adsorbent”- *Journal of Cleaner Production*- Vol. 298- pp. 126744- 2021. DOI: <https://doi.org/10.1016/j.jclepro.2021.126744>.
2. R.K. Pandey- A. Dahiya- A. Mandal- “Identifying Applications of Machine Learning and Data Analytics Based Approaches for Optimization of Upstream Petroleum Operations”- *Energy Technology*- Vol. 9- pp. 200749- 2021. DOI: <https://doi.org/10.1002/ente.202000749>.
3. G. Richhariya- D.T. K Dora- N. Singhal- “Synthesis of Ultra-Light Cement using Solid Waste Fly Ash Cenosphere for Low Fracture Gradient Formation with Reduced Shrinkage”- *Journal of Hazardous- Toxic- and Radioactive Waste (ASCE)*- 25- 2021. DOI: [https://doi.org/10.1061/\(ASCE\)HZ.2153-5515.0000587](https://doi.org/10.1061/(ASCE)HZ.2153-5515.0000587).

4. G. Richhariya- D.T. Dora- N. Singhal- T. Ghoshal- R. Pandey- Kishorilal- “Polyacrylamide modified Geopolymer cement slurry: A potential barrier for channel behind casing” Hazardous- Materials today- proceedings- 2021. DOI: <https://doi.org/10.1007/s13762-021-03422-y>.

Papers in Conferences

1. G. Richhariya- D.T. Dora- N. Singhal- A. Kumar- A. Rastogi- S. Pharsi- Y. Goyal and M. Rai- “Recron Fiber Reinforced Ultra-light weight Ceno sphere Cement for Unconsolidated Formations with Low Fracture Gradient”- International Conference on Recent Advances in Design Materials and Manufacturing- AMITY University Gwalior- 2020.
2. G. Richhariya- D.T. Dora- N. Singhal- T. Ghoshal- R. Pandey- K. Lal- “Polyacryl amide Modified Geopolymer Cement Slurry: A potential Barrier for Channel Behind Casing”- International Conference on Recent Advances in Design Materials and Manufacturing- AMITY University Gwalior- 2020.

S. No.	Title of the Project	Project Investigator/s	Funding Agency	Amount (in INR)	Status
Civil Engineering					
1	Implication of data assimilation for identifying short scale variations in various biogeochemical characteristics in the Bay of Bengal through Regional Ocean Model	Dr. Tarumay Ghoshal	Science and Engineering Research Board (SERB)	15.56 L	Completed
2	A Comparative evaluation of green roofs and conventional RCC roofs thermal performance in the composite climate of Dehradun	Dr. Aanchal Sharma & Mr. Harsh Goyal	DITU Seed Money	2.20 L	Sanctioned
Electrical and Electronics & Communication Engineering					
1	Design Development and Prototyping of Active Denial System for Indian Railways Unmanned Railway Crossing	Dr. A Pal, Dr. K Choudhary, Dr. V K Srivastava Mr. A Sharma	Seed Money Grant by DITU	4.8 L	Completed
2	Conformal Antenna Array	Dr. B Chauhan	TEQIP	2.69 L	Completed

3	Optimized Predictive Control of Multilevel Photo voltaic (PV) Inverter with Reduced Leakage Current	Dr. A Routray	Seed Money Grant by DITU	1.61 L	Ongoing
4	Development of LSPR based optical sensors for bio-medical applications	Dr. K Choudhary	SERB- DST	19.2 L	In-process
5	Predictive Control of Grid connected Solar Photo Voltaic (PV) Inverter with Reduced Leakage Current for Improved Efficiency	Dr. A Routray	SERB- DST	19.2 L	In-process
6	Modeling and design of all-optical switching devices for DWDM system and sensors for health monitoring system using metal-insulator-metal plasmonic waveguides	Dr. S Kumar	SERB (DST)	18.3 L	In-process
7	Design and development of 2D material-based biosensors for biomolecules detection in human body	Dr. S Kumar	SERB (DST)	39.5L	In-process
8	Development of rapid and highly sensitive plasmonic biosensors for the detection of diarrhea (Shigella spp.) and cholera (Vibrio cholera) diseases	Dr. S Kumar	SERB (DST)	61.89L	In-process
Petroleum Engineering					
1	Development of Absorbable-Expandable and Haemostatic Aerogel Material for Life Threatening Gunshot Wound	Dr. Tapas Kumar Dora	DITU Seed Money	2.10 L	Ongoing
2	Optimized Deep Learning Implementation for Improving the Performance of Upstream Petroleum Operations	Dr. Aanchal Sharma & Mr. Harsh Goyal	DITU Seed Money	-----	Ongoing

Master's Thesis Details

S. No.	Student	Title of Thesis	Supervisor (s)
Civil Engineering			
1	Manas Dimri	Mr. Manoj Verma	Seismic Response of Step-Back Reinforced Concrete Building
Electrical and Electronics & Communication Engineering			
1	Alok Bora	Potential and challenges of small hydro Power Projects in the state of Uttarakhand	Mr. Saurabh Awasthi
2	Ankit Singh	Wireless Power Transfer	Dr. Nafees Ahamad
3	Nitin Sharma	Improvement of conventional solar energy system performance using Artificial Intelligence	Dr. Nafees Ahamad
4	Amarjeet Singh Negi	Intelligent Load Shedding	Mr. Mohammad Samir
Mechanical Engineering			
1	Abhay Mishra	Impact of fused deposition modelling (FDM) process parameters on strength of built parts	Dr Vivek Srivastava- Dr Nitin Kumar Gupta
2	Debojit Bhattacharjee	Study of parameters optimization of fused Deposition modelling (FDM) Process	Dr Vivek Srivastava- Dr Nitin Kumar Gupta

Ph.D Thesis Details

S. No.	Research Scholar	Title of Thesis	Supervisor(s)	Status
Civil Engineering				
1	Kunwar Dipendraditya	Study the effect of acid attack on microbial concrete	Dr. B. K. Singh	Ongoing
Electrical and Electronics & Communication Engineering Submitted				
1	Bhawna Sharma	Design and Development of Fourier Domain-Optical Coherence Tomography (FD-OCT) based on Integrated Optical Component	Dr. Amrindra Pal Dr. Sandeep Sharma Dr. Roshan Makkar	Submitted
2	Mohd. Samir	Enhancement of controllers used in wind power generation connected to grid	Dr. Gagan Singh	Ongoing
3	Bhanu Prakash Saripalli	Super capacitors-based smoothening of PV power fluctuations	Dr. Gagan Singh	Ongoing

4	Saurabh Awasthi	Identification of type and location of a 4fault in a distributed generation System	Dr. Gagan Singh	Ongoing
5	Anu Kumari	Design and Modelling of Opto-Electronic effect based Arithmetic devices for optical computational applications	Dr. Amrindra Pal Dr. Sandeep Sharma	Ongoing
6	Padmini Nigam	Design & Analysis of SIW based Self-Diplexing & Self-Triplexing Antennas	Dr. Amrindra Pal	Ongoing
7	Satendra Jain	Modeling And Design of All-Optical Switching Devices and Sensors Using Metal-Insulator-Metal Plasmonic Waveguides	Dr. Kuldeep Choudhary- Dr. Santosh Kumar	Ongoing
8	Arun Uniyal		Dr. Brajlata Chauhan	Ongoing
9	Sachin Kamboj	Distance enhancement of lightning arrester capacity and its analysis in substations	Dr. Gagan Singh	Ongoing
10	Bala Subanna Bangi	Design and Development of Fourier Domain-Optical Coherence Tomography(FD-OCT) based on Integrated Optical Component	Dr. Sonika Singh- Dr. Kuldeep Choudhary	Ongoing
11	Nupur Verma	Course-work	Not Allotted	Ongoing
12	P.S. Sharma	Course-work	Not Allotted	Ongoing

Mechanical Engineering

1	Nitin Kumar Gupta	Development of self-healing materials and their tribological studies	Dr Manoj Kumar Dr G D Thakre	Awarded
2	Amar Kumar Jain	Tribological Investigations of Piston Ring-Liner System	Dr Manoj Kumar Dr G D Thakre	Awarded

Petroleum Engineering

1	Mr. Gaurav Richhariya	Development of Sand Filling Cement for oil wells	Dr. Naveen Singhal & Dr. Tapas Kumar Dora	Submitted
2	Mr. Gopal Kumar	Development of Novel Material From Waste For Various Engineering Application	Dr. Tapas Kumar Dora	Ongoing
3	Mr. Rakesh Kumar Pandey	Optimized Deep Learning Implementation in Well Test Analysis	Dr. Anil Kumar Dahiya	Ongoing

FDP/FIP/FAP/SDP attended by faculty members

FDP				
S. No.	Faculty	Title	Organized by	Date
Civil Engineering				
1	Dr. Mansha Swami	Prospects of Sustainability in Pavement Construction in India	NIT Jalandhar	14-18 Jul- 2020
2	Dr. Mansha Swami	SCILAB for Academics and Research	IIT-Bombay	10-14 Aug- 2020
3	Dr. Mansha Swami	Emerging Trends in Infrastructure Projects	Kakatiya Institute of Technology and Science- Warangal	20-24 Jul- 2020
4	Dr. Mansha Swami	Solar Energy Conversion and Storage	Poornima Institute of Engineering & Technology	31 Aug-4 Sept- 2020
Electrical and Electronics & Communication Engineering				
1	Mr.Vivek Kumar Gupta	Sensors Technology	Punjab Technical University- Bhatinda	22-26 Feb- 2021
2	Mr.Vivek Kumar Gupta	FDP on Advances In Additive Manufacturing	YCCE-NAGPUR	24-29 Aug-2020
3	Mr.Vivek Kumar Gupta	FDP on Solar Energy Conversion And Storage	PIET-JAIPUR	31 Aug-4 Sept-2020
Mechanical Engineering				
1	Dr Subodh Kumar	'Experimental and Numerical Methods for Mechanical Engineers	Department of Mechanical Engineering- G. B. Pant Institute of Engineering & Technology- Pauri Garhwal-Uttarakhand-India	17-28 Aug-2020
2	Dr Subodh Kumar	Contemporary Material Technologies- CMT-2020	Department of Industrial and Production Engineering- Dr B R Ambedkar National Institute of Technology- Jalandhar- Punjab- India	08-12 Sept-2020
3	Dr Subodh Kumar	Computational and Experimental Studies on Failure of Materials	Department of Industrial and Production Engineering- Dr B R Ambedkar National Institute of Technology- Jalandhar- Punjab	13-17 Sept-2020

4	R Rajan	Solar Energy Conversion & Storage	Rajasthan Technical University- Kota	31-Aug- 04 Sept-2020
5	R Rajan	EV & Charging Infrastructure	AICTE Training And Learning (ATAL) Academy	26-30 Jul-2021
6	Dr Nitin Kumar Gupta	Scientific Computing using Python Programming	Navrachana University Vasna - Bhayli Main Rd- Bhayli- Vadodara- Gujarat 391410.	31 May-04 Jun-2021

FDP/FIP/FAP/SDP Organized by the School

S. No.	Title	Convener /Organizing Secretary	Date	Remarks
Mechanical Engineering				
1	Industrial automation and Robotics	Dr Nitin Kumar Gupta/ Dr Vivek Srivastava	03-07 Aug-2020	Organised by COE-IAR DITU with HYDAC

Conferences/workshop/seminars/ webinars attended by faculty members

S. No.	Faculty	Title	Organized by	Date
Civil Engineering				
1	Dr. Mansha Swami	Road Safety and Pedestrian Safety Awareness	NSS-IIT- Roorkee	06-Jul-2020
2	Dr. R Acharyya	Scourand Erosion	ISSMGE	16-Dec- 2020
3	Dr. R Acharyya	Development in geotechnical Engineering for Sustainable tomorrow	IGS Visakhapatnam	17-19 Dec 2020
4	Dr. R Acharyya	Case Histories in Geotechnical and Geological Engineering- Theory to Practice	NIT Surathkal	25-26 Mar- 2021
5	Mr. Aakash Kumar	Smart Cities-Beyond the Pandemics	BITS Pilani	10-11 Jul-2020
Electrical and Electronics & Communication Engineering				
1	Dr. Brijlata Chauhan	cylindrical Conformal Antenna Arrays Theory for Military Aircraft Antenna	IEEE conference GUCON	Oct-2020

2	Dr. N Ahamad	TEQIP	Rajasthan Technical University	01-05 Feb-2021
3	Dr. K Choudhary	NEAT-2021	NEAT	25-26 Mar-2021
4	S Bhanu Prakash	International Conference on Smart and Intelligent Systems (SIS-2021)	VRSEC College- Vijayawada	25-26 Feb-2021
5	Dr. Gagan Singh	Chaired 2nd International Conference of Emerging Technologies (INCET) 2021- Technically Co-sponsored by IEEE Bangalore section.	Belagavi - Karnataka- India	21-23 May-2021
6	Dr Gaurav Dhiman	Chaired 2nd International Conference of Emerging Technology (INCET 2021) EEE BANGLORE SECTION. And Track A2: Power Electronics / WSN / Image Processing / Computer Networking/ IOT	Jain College of Engineering- Belgavi- Karnataka- India (Online Mode)	23-May-2021

Petroleum Engineering

1	Mr. Rakesh kumar Pandey	Patent Protection for Innovation Driven Educational Institutions	Turnip Innovations	29-Aug-2020
2	Mr. Gopal Kumar	Basic Oil and Gas Field Development Life Cycle	NIT Durgapur	24-26 Aug-2020
3	Mr. Rakesh kumar Pandey	The Role of Science- Technology and Innovation in Shaping the future of Education- Skills and Work	CSIR-IIP- Dehradun	28-Feb-2021

Conferences/workshop/seminars/webinars organized by the School

S. No.	Title	Convener /Organizing Secretary	Date	Remarks
Civil Engineering				
1	A series of online Webinars on Recent Advancements in Civil Engineering	Dr. B.K. Singh- Dr. Suprakash Biswas- Dr. Kanan Thakkar	21-26 Jun-2021	DIT University/ National Level
2	The Future of Civil Engineering in New Millennia	Dr. B.K. Singh- Professor and Dean- Faculty Affairs- DIT University	19-Jun-2021	DIT University Sponsored

Electrical and Electronics & Communication Engineering

1	Introduction to Nanophotonics-Speaker- Prof. Gopal Krishna Hegde- IISC Bangalore	Dr. Sonika Singh	05-Jun-2021	DIT University Sponsored
2	Quiz-a-Mania	Dr. Brajlata Chauhan	01-Feb-2021	DIT University Sponsored
3	Online Safety and Cyber Crimes”.	Dr. Brajlata Chauhan	16-Jan-2021	DIT University Sponsored
4	‘Internet of Things’	Dr. Sonika Singh	28-Nov-2020	DIT University Sponsored
5	Electronics 8: Communication Engineering-Making Digital India a Reality	Dr. Sonika Singh	03-Nov-2020	DIT University Sponsored
6	Webinar on ”Demystifying Smart Meters	Mr. Saurabh Awasthi	25-Sept-2020	DIT University Sponsored
7	Introduction to Nano photonics by Dr. Gopalkrishna Hegde- Professor- IISC- Bangalore	Dr.K Choudhary	04-Jun-2021	DIT University Sponsored

Under Graduate Projects

Civil Engineering

Total Number of Projects	Projects domains
15	Environmental Engineering
	Structural Engineering
	Transportation Engineering
	Water Resource Engineering
	Remote Sensing and GIS
	Earthquake Engineering

Electrical and Electronics & Communication Engineering

Total Number of Projects	Projects domains
18	Electrical Engineering
	Electronics & Communication Engineering

Mechanical Engineering

Total Number of Projects	Projects domains
28	Production
	Design
	Thermal

Mechanical Engineering

Total Number of Projects	Projects domains
11	Drilling and Cements
	Oil Spills
	Drilling Fluids
	Reservoir Simulation

Patents (Granted/Published/Filed)

S. No	Name of Applicant/s	Name of Inventor/s	Title with name of patent agency	Status
1	R. Bahuguna- M. K. Kant Singh- M. Kumar & S. Chamoli	R. Bahuguna- M. K. Kant Singh- M. Kumar & S. Chamoli	OA Triple Blade Vortex Generator Insert for Heat Exchanger” Indian Patent Filing Application No. 202111025564 A	Jun 2021- (Published)

National/International Award/Recognition received by faculty members

S. No	Name of Faculty Member	Name of Award	Awarding Agency	Photograph
Civil Engineering				
1	Dr. Mansha Swami	Innovation Ambassador	Ministry of Education	
2	Dr. Rana Acharyya	Recognized Reviewer for The Journal of Applied Soft Computing	Elsevier	
Petroleum Engineering				
1	Mr. Gaurav Richhariya	Best Paper Award in International Conference	Amity University	
2	Mr. Gaurav Richhariya	Young Scientist Award	International Science and Technology Festival 2020	
3	Mr. Gaurav Richhariya	Young Researcher Award	Institute of Scholar	
4	Mr. Gaurav Richhariya	Innovation Ambassador	Ministry of Education	
5	Mr. Gopal Kumar	Innovation Ambassador	Ministry of Education	

National/International Award/Recognition received by faculty members

S. No	Name of Institutes /Industries	City/ Country	Purpose	Duration	
				Signed on	Valid till
Civil Engineering					
1	IIRS- Dehradun	Dehradun-India	Internship- Lectures- Utilization of IIRS facilities	29-Aug-2020	28-Aug-2030
Electrical and Electronics & Communication Engineering					
1	Centre for Reliability Sciences and Technologies-Chang Gung University Taiwan	Taiwan	Student Exchange Program	21-Aug-2017	20-Aug-2022
2	Secure Meter Udaipur	Udaipur-India	placement and internship training	16- Feb-2021	(Auto renewal)
3	Smart Joules Pvt Ltd-Delhi	Delhi- India	placement and internship training	11-Nov-2020	10- Nov-2021
Mechanical Engineering					
1	CSIR-IIP Dehradun	Dehradun-India	Student Exchange Program	23-Mar-2021	22-Mar-2026

School of Liberal Arts and Management

List of Programmes

S. No.	Program offered	Year of establishment
1	Bachelors of Arts	2017
2	Masters in Arts	2021
3	Master's in Business Administration	2004
4	Ph.D.	2014

List of Faculty Members

S. No.	Name of Faculty Member	Designation	Date of Joining	Specialization
Management				
1	Dr. Sonia Munjal	Head & Professor	05-Feb-2021	Human Resource
2	Dr. Prakash Tiwari	Professor	26-Aug-2002	Business Analytics
3	Dr. Hemraj Verma	Professor	01-Aug-2013	Marketing
4	Dr. Vijay Kumar Jain	Assistant Professor	21-Sept-2011	Marketing
5	Dr. Praveen Dube	Assistant Professor	18.07.2018	Finance
6	Dr. Pankaj Kumar	Assistant Professor	13.07.2018	Human Resource
7	Dr. Preeti Sharma	Assistant Professor	29.07.2019	Finance
Humanities				
1	Dr. Vijay Negi	Head & Associate Professor	29.07.2019	Diasporic Literature
2	Dr. Kiran Badoni Mangain	Assistant Professor	16-Jan-2012	Afro-American Literature
3	Dr. Sakshi Semwal	Assistant Professor	03-Aug-2013	Postcolonial Literature
4	Dr. Shachi Negi	Assistant Professor	02-Jan-2018	Drama
5	Dr. Preeti Sharma	Assistant Professor	29.07.2019	Agricultural & Natural Resource Economics
6	Dr. Deepesh K.Thakur	Assistant Professor	12-Jul-2018	Linguistics & ELT
7	Mr. Ram Kumar Gupta	Assistant Professor	23-Jul-2019	Clinical Psychology
8	Dr. Vikash Kumar Mishra	Assistant Professor	29-Jul-2019	International Trade
9	Dr. Rageshwari Munderia	Assistant Professor	01-Sept-2020	Clinical Psychology
10	Dr. Sanjeev Kumar	Assistant Professor	01-Sept-2020	Industrialization & Labour Market Dynamics
11	Dr. Simranjyot Kour	Assistant Professor	08-Jan-2021	Gender Studies
12	Dr. Sandeep Kumar Sharma	Assistant Professor	26-Aug-2021	Linguistics
13	Dr. Aditya	Assistant Professor	13-Aug-2021	International Economics
14	Mr. Prashant Maurya	Assistant Professor	12-Aug-2021	Postcolonial Literature & South Asian Literature
15	Ms. Annu Biswas	Assistant Professor	12-Oct-2021	Clinical Psychology

List of Publications

SCI/Scopus indexed Journals

1. G. Verma- H. Verma- "Hybrid Deep Learning Model for Emotion Recognition using Facial Expressions"- The review of socionetwork strategies- Vol. 14- 171- 2020. DOI: <https://doi.org/10.1007/s12626-020-00061-6>.
2. P. Sharma- P. Panday- and R.C. Dangwal- - "Determinants of environmental- social and corporate governance (ESG) disclosure: a study of Indian companies- Int J Discl Gov- Vol. 17- pp. 208-217. DOI: <https://doi.org/10.1057/s41310-020-00085-y>.
3. V. K. Jain- A. Gupta & H. Verma- "Millennials Green Consumption Behavior and Its Linkage to Firms Marketing Competitiveness: Findings from Select Study in Uttarakhand" International Journal of Global Business and Competitiveness- Vol. 15(2)- 94- 2020. DOI: <https://doi.org/10.1007/s42943-020-00017-1>.
4. V. Joy- V. K. Jain- S. Agarwal- P. Kumar- "Revisiting Determinants of Social Entrepreneurial Intentions among Indian Students using Interpretive Structural Modelling"- Elementary Education Online- Vol. 20- pp. 4299-2021. DOI: <http://dx.doi.org/10.17051/ilkonline.2021.05.472>.

Papers in Conferences

1. H. Verma- "Opinion Mining on Rural Tourism in India"- 1st Virtual International Conference on Rural Tourism - Challenges- Scope and Entrepreneurship Development- organized by VARDERING INDIA- 2020.
2. H. Verma- "Exploring Impact of Destination Branding of Economic Upliftment- A case of Jaunsar Banwar Region in Uttarkhand"- in 1st Virtual International Conference on Rural Tourism - Challenges- Scope and Entrepreneurship Development organized by VARDERING INDIA- 2020.
3. V. K. Jain- "Modelling Drivers of Social Entrepreneurial Intention among Indian Students"- 1st Virtual International Conference on Rural Tourism - Challenges- Scope and Entrepreneurship Development organized by VARDERING INDIA- 2020.
4. V. K. Jain- "Open Banking and Its driver: An Interpretive Modelling Approach" in International Conference on Economy Business and Society- organized by Fs Congress- 2020.
5. P. Panday- P. Sharma "Factors Affecting Rural Tourism: A Systematic Literature Review from 1980 to 2020" in 1st Virtual International Conference on Rural Tourism - Challenges- Scope and Entrepreneurship Development organized by Vardering India- 2020.
6. P. Sharma- P. Panday- "Motivational Factors and Challenges of women entrepreneurship in rural areas of Uttarakhand" in 1st Virtual International Conference on Rural Tourism - Challenges- Scope and Entrepreneurship Development organized by Vardering India- 2020.
7. P. Kumar- "Management Skills: To learn from Captaincy of Indian Cricket Team" in ICCBP 2021- conducted by Management Development Institute (MDI)- Murshidabad- 2021.
8. S. Semwal- "Exploring the LGBTQ+ Community and applying queer theory on 'Alternative Realities- Love in the lives of Muslim Women" in International Virtual Conference on Gender Studies and Women Empowerment- organized by NIT Agartala- 2021.

9. S. Semwal- "Explicating the Black Women Empowerment in 20th Century through Poetry" in National conference on Contemporary perspective in English Language- Literature and Cultural Studies- organized by Chandigarh University- 2021.
10. S. Negi- "Draupadi of the Mahabharata: Rebel against Patriarchal Violence" in Modern' Women of the Past? Unearthing Gender and Antiquity- organized by University of Sydney Departments of Archaeology and Classics and Ancient History- Australia- 2021.
11. S. Negi- "Achieving Cosmic Consciousness- a higher stage in Man's Evolution: Traces in Mahabharata and Findings from a case study of Pandav Nritya in Northern Himalayas" in ESCL Conference Narrations of Origins of World Cultures and Arts organized by University of Turino- Italy- 2021.
12. S. Negi- "Resurgence in Filmization of the Mahabharata" in 22nd Conference of the English Department of the University of Bucharest Literature and Cultural Studies: Re-writing/ Re-imagining the Past organized by University of Bucharest- Romania- 2021.

Master's Thesis Details

S. No.	Student	Title of Thesis	Supervisor (s)
1	Dew Pujan Chaudhary	Development and evaluation of hydroxyl-chloroquine loaded liposomal nanogel for the treatment of novel corona virus.	Dr. Md. Habban Akhter- Dr. Havagiray Chitme
2	Mansi Varshney	Design and development of solid lipid nano-carriers of natural glycosides for neuro degenerative disorders	Dr. Bhavna- Dr. Neeraj K. Sethiya

Master's Thesis Details

S. No.	Research Scholar	Title of Thesis	Supervisor (s)	Status
1	Simranjyot Kour	Men's Violence Against Women: A Study of Rape in Indian Writing in English	Dr. Kiran Badoni Mamgain	Awarded
2	Neelima	Image of India in the selected works of M.G. Vassanji	Dr. Vijay Negi	Submitted
3	Rit Joshi	Tradition and Modernity: Vivekananda's Philosophy of Civilizations	Dr. Kiran Badoni Mamgain	Ongoing
4	Shubhi Belwal	Crossing the Margins: A Study of Trends and Traditions in the Selected Works of Padma Viswanathan- Boman Desai and Chetan Raj Shrestha	Dr. Deepesh Kumar Thakur	Ongoing
5	Kirti Rai	Reinterpreting the Mahabharata in Selected Post-Modern Mythological Fiction	Dr. Shachi Negi	Ongoing

6	Shubhangi Singh	Tracing Eco-cultural Criticism in the Selected Works of Mamang Dai and Easterine Kire	Dr. Shachi Negi	Ongoing
7	Prateek Upreti	Negotiating the Postcolonial Offshoots: A Study of Global Trends and Regional Traditions in the works of Selected Indian and African Writers	Dr. Vijay Negi	Submitted
8	Rao Ragib Khan	Translation studies: A Stylistic Analysis of Major Works of Munshi Premchand and Sadat Hasan Manto	Dr. Kiran Badoni Mamgain	Ongoing

FDP/FIP/FAP/SDP attended by faculty members

FDP				
S. No.	Faculty	Title	Organized by	Date
1	Dr. Pankaj Kumar	Advanced Research Methodology Tools and Techniques	Ramanujan College-University of Delhi	31 Jan-14 Feb-2021
2	Dr. Preeti Sharma	Data Analysis with Statistical Methods '(Sharpening Skills in Statistical Analysis through MS-Excel- SPSS- MATLAB and R	Ramanujan College-University of Delhi	21 Dec- 03 Jan-2021
3	Dr. Vijay Kumar Jain	One Week Faculty Development Program - 2021 " Multivariate Analysis Through Advance Techniques "	Banarsidas Chandiwala Institute of Professional Studies	15-21Mar-2021
4	Dr. Preeti Sharma	Modelling Financial Statement Analysis and Projections using MS-Excel	Bharthidasan Institute of Management-Tiruchirappalli	01-05 Jun-2021
5	Dr. Pankaj Kumar	Fundamentals of OBE	NITTR- Kolkata	31 Aug-04 Sept-2020
6	Dr. Sakshi Semwal	8 Days FDP on Pedagogy and Research Skills Development	Amity School of Languages-Amity University Maharashtra	21 to 29 Jun-2021

Conferences/workshop/seminars/ webinars attended by faculty members

S. No.	Faculty	Title	Organized by	Date
1	Dr. H Verma	The Age of Transformation: Impact of technology in Marketing Organized	IMS University	18-19 Dec-2020
2	Dr. V K Jain	The Age of Transformation: Impact of technology in Marketing Organized	IMS University	18-19 Dec-2020

3	Dr. P Sharma	12th International e conference on "Digitalization as a Vehicle for Innovation- Organizational Growth- and Effectiveness	PIM- Gwalior	19-20 Dec-2020
4	Dr. P Dube	International Conference on Rethinking Business Strategies	Mittal School of Business	19- Dec-2020
5	Dr. P Kumar	Social Enterprise: Values and Processes	Tata Institute of Social Sciences	24-28 Aug-2020
6	Mr. Ram Kumar Gupta	Research in Psychology and Behavioural Sciences	Yuvakshetra Institute of Management, Mundur- Kerala	24-28 Aug-2020
7	Dr. D K Thakur	Revised Assessment and Accreditation Framework of NAAC: An Approach	Smt. Sushil Devi Deshmukh Senior college- Latur	16-Jan-2021
8	Dr. D K Thakur	Case Writing Competition & Conference	AIMA & ICRC, New Delhi	30-31 Mar-2021
9	Dr. D K Thakur	How to prepare for India	S.S.T. College of Arts & Commerce- Ulhasnagar	17-20 Mar-2021
10	Dr. D K Thakur	Emerging Issues in Human Rights with Special Emphasis on Women and Child Rights	The ICFAI University- Dehradun	29-Jan-2021
11	Dr. Sakshi Semwal	Electronic Textual Cultures: A Study of Digital Literature and Literature in Digital Spaces	The English and Foreign Language University Hyderabad	09-12 Mar-2021
12	Dr. Vikash Kumar Mishra	Impacts of Cash and Food Transfers on Households- Women and Children: Experimental evidence from Bangladesh	Institute for Human Development- New Delhi	11-Jun -2021

Conferences/workshop/seminars/webinars organized by the School

S. No.	Title	Convener /Organizing Secretary	Date	Remarks
1	International Conference on Rural Tourism – Challenges- Scope and Entrepreneurship Development (ICRT-2020)	Dr. Hemraj Verma	12-13 Sept-2020	Vardering India

School of Pharmaceutical and Population Health Informatics

List of Programmes

S. No.	Program offered	Year of Establishment
1	B. Pharm	2013
2	M. Pharm Pharmaceutics	2013
3	M. Pharm Pharmacology	2021
4	D. Pharm	2017
5	M.Sc. Clinical Research	2020
6	Ph. D in Pharmacy	2013
7	Ph. D in Population health Informatics	2019
8	Ph. D in Clinical Research	2020

List of Faculty Members

S. No.	Name of Faculty Member	Designation	Date of Joining	Specialization
1	Dr. Jagannath Sahoo	Director & Professor	18-Sep-2020	Pharmaceutics
2	Dr. Havagiray Chitme	HOD & Professor	16-Aug-2018	Pharmacology
3	Dr. Bhavna	Associate Professor	02-Sep-2013	Pharmaceutics
4	Dr. Manmohan Singhal	Associate Professor	13-Oct-2013	Pharmacology
5	Dr. Mandeep Kumar Arora	Associate Professor	03-Mar-2021	Pharmacology
6	Dr. Ashok Behera	Assistant Professor I	11-Jan-2019	Pharmaceutical Chemistry
7	Dr. Neeraj Kumar Sethiya	Assistant Professor I	02-Jul-2019	Pharmacognosy
8	Mr. Samir Bhargava	Assistant Professor II	08-Aug-2006	Pharmaceutical Biotechnology
9	Mr. Vijay Singh Rana	Assistant Professor II	20-Jan-2007	Pharmacognosy
10	Dr. Dhiodatta Senapati	Assistant Professor II	22-Feb-2021	Pharmacology
11	Dr. Md. Habban Akhter	Assistant Professor II	09-Oct-2017	Pharmaceutics
12	Dr. Nisha Sharma	Assistant Professor III	12-Oct-2020	Pharmacology
13	Dr. Amit Kumar Keshari	Assistant Professor III	07-Aug-2020	Pharmaceutical Chemistry

14	Mr. Kumud Joshi	Assistant Professor III	02-Apr-2021	Pharmaceutics
15	Mr. Rahul Tiwari	Assistant Professor III	10-Feb-2021	Pharmaceutics
16	Mrs. Ritu Tomar	Assistant Professor III	03-Mar-2021	Pharmacognosy
17	Dr. Rajeev Kumar	Assistant Professor III	15-Jul-2006	Pharmaceutics
18	Mr Pankaj Pant	Assistant Professor III	01-Apr-2021	Pharmacology
19	Ms Farheen	Assistant Professor III	01-Apr-2021	Pharmaceutics
20	Ms Rachna Panghal	Assistant Professor III (Adjunct Faculty)	18-Jan-2021	Clinical Research
21	Mr Tushar Singhal	Assistant Professor III (Adjunct Faculty)	01-Jan-2021	Pharmacology

List of Publications

SCI/Scopus indexed Journals

1. A. Garg- V. Gupta- R. Tomar and M. K. Arora- "Experimental models for vascular endothelial dysfunction-" Bangladesh J. Pharmacol. - vol. 16- no. 3- pp. 65-83- 2021. DOI: <https://doi.org/10.3329/bjp.v16i3.52948>.
2. L. Gupta et al.- "Synergistic effect of Ocimum Sanctum and Andrographis Paniculata against Diabetic Complications-" J. Pharm. Res. Int.- pp. 151-163- 2021. DOI: <https://doi.org/10.9734/jpri/2021/v33i33a31782>.
3. V. Walia- S. K. Chaudhary- and N. Kumar Sethiya- "Therapeutic potential of mangiferin in the treatment of various neuropsychiatric and neurodegenerative disorders-" Neurochem. Int.- vol. 143- 2021. DOI: <https://doi.org/10.1016/j.neuint.2020.104939>.
4. S. K. Chaudhary- V. Walia- V. Singh- and N. K. Sethiya- "Thin-layer chromatographic analysis of mangiferin (a bioactive antioxidant from dietary plant sources): a mini-review-" J. Planar Chromatogr. - Mod. TLC- vol. 33- no. 4- pp. 341-352- 2020. DOI: <https://doi.org/10.1007/s00764-020-00044-x>.
5. P. Singh and V. Walia- "Anxiolytic like effect of L-Carnitine in mice: Evidences for the involvement of NO-sGC-cGMP signaling pathway-" Behav. Brain Res.- vol. 391- 2020. DOI: <https://doi.org/10.1016/j.bbr.2020.112689>.
6. M. H. Akhter et al.- "Receptor-based targeting of engineered nanocarrier against solid tumors: Recent progress and challenges ahead-" Biochim. Biophys. Acta - Gen. Subj.- vol. 1865- no. 2- 2021. DOI: <https://doi.org/10.1016/j.bbagen.2020.129777>.
7. M. H. Akhter et al.- "Molecular Targets and Nanoparticulate Systems Designed for the Improved Therapeutic Intervention in Glioblastoma Multiforme-" Drug Res. (Stuttg).- vol. 71- no. 3- pp. 122-137- 2021. DOI: <https://doi.org/10.1055/a-1296-7870>.
8. N. Kumar Kotla- S. KAMILA- S. PATEL- J. KOTHAPALLY- A. KONGARA- and S. MADHAV- "Nootropic herbal formulations for the treatment of Alzheimer's disease: In vivo pharmacological assay and molecular docking studies-" Istanbul J. Pharm.- vol. 50- no. 2- 2020. DOI: <https://doi.org/10.26650/istanbuljpharm.2019.0057>.
9. S. Md et al.- "Plumbagin-loaded glycosome gel as topical delivery system for skin cancer therapy-" Polymers (Basel).- vol. 13- no. 6- 2021. DOI: <https://doi.org/10.3390/polym13060923>.

10. S. Akhter et al.- "Improving the topical ocular pharmacokinetics of an immunosuppressant agent with mucoadhesive nanoemulsions: Formulation development- in-vitro and in-vivo studies-" *Colloids Surfaces B Biointerfaces*- vol. 148- pp. 19–29- Dec. 2016. DOI: <https://doi.org/10.1016/j.colsurfb.2016.08.048>.
11. K. Serabele et al.- "Comparative chemical profiling and antimicrobial activity of two interchangeably used 'Imphepho' species (*Helichrysum odoratissimum* and *Helichrysum petiolare*)-" *South African J. Bot.*- vol. 137- pp. 117–132- 2021. DOI: <https://doi.org/10.1016/j.sajb.2020.09.023>.
12. S. K. Sinha- S. K. Prasad- M. A. Islam- S. K. Chaudhary- S. Singh- and A. Shakya- "Potential Leads from Liquorice Against SARS-CoV-2 Main Protease using Molecular Docking Simulation Studies-" *Comb. Chem. High Throughput Screen.*- vol. 24- no. 4- pp. 591–597- 2020. DOI: <https://doi.org/10.2174/1386207323999200817103148>.
13. Y. Chan et al.- "Revolutionizing polymer-based nanoparticle-linked vaccines for targeting respiratory viruses: A perspective-" *Life Sci.*- vol. 280- 2021. DOI: <https://doi.org/10.1016/j.lfs.2021.119744>.
14. K. S. Sharma and J. Sahoo- "Development and validation by statistical treatment of stability indicating RP-HPLC method for quantification of Orlistat in Orlistat-loaded solid dispersion-" *Futur. J. Pharm. Sci.*- vol. 7- no. 1- 2021. DOI: <https://doi.org/10.1186/s43094-021-00190-x>.
15. A. Paul- M. Rajiung- K. Zaman- S. K. Chaudhary- H. R. Bhat- and A. Shakya- "An Overview of Phytochemical and Pharmacological Profile of *Morus alba* Linn-" *Curr. Bioact. Compd.*- vol. 17- no. 8- 2020. DOI: <https://doi.org/10.2174/1573407216666201228114004>.
16. A. Shakya- S. K. Chaudhary- H. R. Bhat- and S. K. Ghosh- "Acute and sub-chronic toxicity studies of *Benincasa hispida* (Thunb.) cogniaux fruit extract in rodents-" *Regul. Toxicol. Pharmacol.*- vol. 118- 2020. DOI: <https://doi.org/10.1016/j.yrtph.2020.104785>.
17. P. M. Tambe et al.- "Structure-Based Screening of DNA GyraseB Inhibitors for Therapeutic Applications in Tuberculosis: a Pharmacoinformatics Study-" *Appl. Biochem. Biotechnol.*- vol. 192- no. 4- pp. 1107–1123- 2020. DOI: <https://doi.org/10.1007/s12010-020-03374-y>.
18. A. Paul- M. Rajiung- K. Zaman- S. K. Chaudhary- and A. Shakya- "Quantification of the bioactive marker resveratrol in *Morus alba* Linn. fruits by high-performance thin-layer chromatography-" *J. Planar Chromatogr. - Mod. TLC*- vol. 33- no. 5- pp. 481–487- 2020. DOI: <https://doi.org/10.1007/s00764-020-00062-9>.
19. D. Kumar- R. Kumar- R. Ramajayam- K. W. Lee- and D. S. Shin- "Synthesis- antioxidant and molecular docking studies of (-)-catechin derivatives-" *J. Korean Chem. Soc.*- vol. 65- no. 2- pp. 106–112- 2021. DOI: <https://doi.org/10.5012/jkcs.2021.65.2.106>.

Books and Book Chapters

1. H. R. Chitme- A. Nautiyal- M. Singhal- "Practice School – Community Pharmacy – A Manual"- Unnati Publications- India- ISBN: 978-9384875619- 2020
2. H. R. Chitme- A. Nautiyal- M. Singhal- "Practice School – Case Study – A Manual" – Unnati Publications- India ISBN: 978-9384875626- 2020
3. H. R. Chitme- A. Nautiyal- M. Singhal- "Practice School – Clinical Pharmacy – A Manual" – Unnati Publications- India ISBN: 978-9384875619- Apr- 2021.
4. R. K. Sharma- "Medicinal Chemistry-I" Unnati Publication- 2021.

List of Research Projects

S.No	Title of the Project	Project Investigator/s	Funding Agency	Amount (in INR)	Status
1	Targeting TEAD1-YAP-AR signaling axis is an effective therapeutic strategy for the treatment of CRPC	Dr Dhirodatta Senapati	Merck 2021 research grant on cancer drug discovery	350-000 USD	Submitted
2	Key Biomarkers Differentially Expressed in Cumulus and Mural Cells of Polycystic Ovary Syndrome (PCOS) Patients	Dr. H R Chitme- Dr. H O Prasad & Dr. R Prasad	Bayer AG- Drug Discovery	8.36 L	Ongoing
3	Characterization of Proteins Expressed by Stressed Granulosa Cells	Dr. H R Chitme	Seed Money Grant by DITU	1.72 L	Ongoing
4	Synthesis- characterization and In-vitro evaluation of new 5FU-Octreotideconjugates for targeted chemotherapy	Dr. A Behera	Seed Money Grant by DITU	2 L	Ongoing
5	Scouting and Documentation of Grassroots Technological Innovations- Novel Agricultural Practices and Outstanding Traditional Knowledge from Remote Villages in TehriGarhwal District- Uttarakhand- India	Dr Neeraj Sethiya	DST	3.58 L	Ongoing
6	Synthesis- Characterization and biological evaluation of smart novel nanotheranostic for cancer	Dr. A Behera	TARE-SERB	15 L	Ongoing
7	Analyses of fat tissue of polycystic ovary syndrome (PCOS) patients and controls to identify genes involved in the pathogenesis of the diseases	Dr. H R. Chitme	Bayer AG- Drug Discovery	110-00 Euro	In-Process
8	Gene Ontology and Signalling Mechanism of Follicular Fluid Proteins in Pathogenesis of Polycystic Ovary Syndrome	Dr. H R. Chitme	CRG-SERB-DST	38.7 L	In-Process

9	Bioactivity guided fractionation of selected medicinal plant for tyrosinase inhibition activity used in cosmeceuticals ethnopharmacologically".	Dr Neeraj Sethiya	India Sri Lanka Joint Research programme- DST	27 L	In-Process
---	---	-------------------	---	------	------------

List of Consultancy Projects

S.No	Title of the Project	Project Investigator/s	Funding Agency	Amount (in INR)	Status
1	Develop herbal formulation for poultry	Dr Neeraj Sethiya	Industry-Academia research Wyldox Pvt Limited- New Delhi	1 L	Approved

List of Consultancy Projects

S.No	Student	Supervisor (s)	Title of Thesis
1	Dew Pujan Chaudhary	Dr. Md. Habban Akhter- Dr. Havagiray Chitme	Development and evaluation of hydroxyl-chloroquine loaded liposomal nanogel for the treatment of novel corona virus.
2	Mansi Varshney	Dr. Bhavna- Dr. Neeraj K. Sethiya	Design and development of solid lipid nanocarriers of natural glycosides for neuro degenerative disorders
3	Shipra Rana	Dr. Md. Habban Akhter- Dr. Manmohan Singhal- Dr. Sushil Kumar Chaudhary	Design and optimization of quercetin loaded nano structured lipid carrier for solid tumour therapy
4	Faiza Himasa Idris	Dr. Bhavna- Dr. Manmohan Singhal	Development and evaluation of fenofibrate loaded ophthalmic nanomiceller formulation for diabetic retinopathy
5	Priyanka Sanwal	Dr. Md. Habban Akhter	Development and evaluation of curcumin and etodolac loaded aquasomes for oral delivery in the treatment of osteoarthritis
6	Ms Jyoti	Dr Shrad Bisht; Mr Samir Bhargava	Preparation & Evaluation of Allicin loaded Phytosome for Antiviral Activity
7	Mr Suman	Dr Jagannath Sahoo; Mr Samir Bhargava	Development and Evaluation of Olmesartan Medoxomilloaded Mucoadhesive Biolayers for Orotranslabial Drug Delivery
8	Anjali Sharma	Dr Habban	Thymoquinone and Nano curcumin loaded liposome for the treatment of skin acne

9	Ankur Pachauri	Dr H Chitme; Dr Habban	Formulation and Evaluation of 5-fluorouracil as Anti-cancer Liposomal-Gel.
10	Mr Ashish Kukreti	Dr H Chitme; Dr Sharad	Development and Evaluation of Econazole Emulgel Using Volatile Oils for the treatment of Tinea pedis

List of Research Projects

S.No	Research Scholar	Title of Thesis	Supervisor(s)	Status
1	Deepika Sharma	Designing Targeted Nanoformulations Of Gliptins For The Treatment Of Dementia	Dr Bhavna	Awarded
2	Alok Pratap Singh	Semi-synthesis- Docking and Biological studies of chemical constituents from Hedychium species.	Dr Ashok Behera	Ongoing
3	Nisha Agari Bhatt	Synthesis- characterization and biological evaluation of new 5FU-Octreotide conjugate for targeted chemotherapy	Dr Ashok Behera	Ongoing
4	Ashwini Verma	Develop- implement- and evaluate an informatics platform for home based self-management of Chronic Obstructive Pulmonary Disease	Dr Ashok Behera	Ongoing
5	Sakshi Ghildiyal	Pre-Treatment Loss to Follow Up Patients With Tuberculosis in Bangalore City- South India	Dr. Mandeep Kumar Arora	Ongoing
6	Pratiksha Sharma	To study the effect of Diabetes on Tuberculosis treatment outcomes in Bangalore- South India	Dr. Mandeep Kumar Arora	Ongoing
7	Trushar Parmar	Use of Geovisualization In Identifyig And Targeting Tuberculosis Patients	Dr. Mandeep Kumar Arora	Ongoing
8	Vikas Arora	Use of mobile sensor data to aid clinical decision-making at the individual and community level	Dr Jagannath Sahoo	Ongoing
9	Roshani Prajapati	Title of Thesis: Development of Rabeprazole and clarithromycin bilayer tablet	Dr Jagannath Sahoo	Ongoing
10	Khyati Saini	Green Synthesis Nanoparticles using Plant extract and it's Intranasal Drug Delivery for Alzheimer Treatment	Dr Jagannath Sahoo	Ongoing
11	Bhavya Malhotra	Design- develop and implement youth well-being index using an informatics decision aid platform	Dr Jagannath Sahoo	Ongoing

12	Vijay Singh Rana	Screening and Development of Antidiabetic Dietary Supplements of Herbal Origin.	Dr. Neeraj Kumar Sethiya	Ongoing
13	Abhilasha Tomer	Development and Clinical Evaluation of Safety and Efficacy of Nutritional Supplements for Improving Physical and Mental Performance in Adults	Dr H Chitme	Ongoing
14	Nidhi Gairola	Evaluation and Characterization of Pharmacologically Active Constituent of Human Follicular Fluid	Dr H Chitme	Ongoing
15	Shruti Sharma	Effectiveness of a mobile enabled intervention to enhance consumption of locally available food that can improve gut flora'	Dr H Chitme	Ongoing
16	Rachit Negi	Conceptualizing and evaluating Informatics platform to enhance screening of mental health conditions in primary care settings'	Dr H Chitme	Ongoing
17	Neha Kukreti	Pharmacological Activity Guided Fractionation and Evaluation of <i>Neolitsea pallens</i> '	Dr H Chitme	Ongoing
18	Ritu Rani	Preclinical Assessment of <i>Tinospora cordifolia</i> for Female Reproductive Health using In-vitro and In-vivo models'	Dr H Chitme	Ongoing
19	Pankaj Pant	Key Biomarkers Differentially Expressed in Cumulus and Mural Cells of Polycystic Ovary Syndrome (PCOS) Patients'	Dr H Chitme	Ongoing
20	Farheen	Development and Evaluation of Combinatorial drug loaded nanoparticulate system for Brain Delivery	Dr Habban Akhter	Ongoing
21	Mrs Monika Dhaka	Formulation Development and Optimization of Embelin loaded Nanovesicular system for the treatment of Non-alcoholic Fatty Liver Disease (NAFLD)	Dr Habban Akhter	Ongoing
22	Kangkan Sharma	Formulation development and optimization of novel chemotherapeutic agent loaded functionalized Metal-Organic Framework for Lung Cancer Therapy	Dr Habban Akhter	Ongoing

23	Preeti Gautam	Oral Delivery of Time- and pH-Dependent nano-hybrid drug delivery system for Ulcerative Colitis	Dr Habban Akhter	Ongoing
24	Afshan Ali	Early detection of developmental delays in vulnerable children (0-5 years) by ASHA workers using mHealth tool	Dr Amit Keshari	Ongoing
25	Rohitashwa Kumar	Design and Evaluate an informatics platform for enhancing treatment adherence of Latent Tb Infection	Dr Amit Keshari	Ongoing
26	Mirza Adil Beig	Assess the Effectiveness of m-Health intervention to reduce the maternal Complication	Dr Amit Keshari	Ongoing
27	Shyamli Thakur	Combating double burden of malnutrition using Intervention Kiosk based on SMAART framework model	Dr Amit Keshari	Ongoing
28	Hadiya Jan	Evaluation of Acute Kidney Injury cases in Cardiac Surgery patients: A prospective observation study	Dr. Nisha Sharma	Ongoing
29	Himani Chugh	Prevalence of depression and Economic burden in patients with chronic kidney disease in the North Indian population	Dr. Nisha Sharma	Ongoing
30	Abhijeet Prasad Sinha	Development and utility of m-health and nutrition informatics intervention for self-care and management of type 2 diabetes at home	Dr Manmohan Singhal	Ongoing
31	Mr. Anas Quraishi	Design- development and evaluation of a public health decision support tool to address musculoskeletal disorders in IT professionals	Dr Manmohan Singhal	Ongoing
32	Mr. Rahul Shrivastava	Artificial intelligence guided citizen centric platform to strengthen the uptake of maternal health services amongst the pregnant women living in urban slum settings	Dr Manmohan Singhal	Ongoing
33	Krishna Mohan Surapaneni	Design- development and implementation of an informatics decision support platform to track after effects of COVID-19.	Dr Manmohan Singhal	Ongoing
34	Amreen Aijaz:	An Observational Cohort Study on Out-of-Hospital Cardiac Arrest (OHCA) during the COVID-19 Pandemic in Telangana- India	Dr Manmohan Singhal	Ongoing

35	Abhini Sreenath	Design and Development of Herbal based drug delivery formulations for the treatment of Endometriosis	Dr. Bhavna	Ongoing
36	Shraddha Singh Raghav	Design and Development of Phytoconstituents based Topical formulations for Preventing Diabetic foot ulcers	Dr. Bhavna	Ongoing
37	Pooja Singh	Targeted pulmonary nanocarriers delivery systems for the treatment of Tuberculosis	Dr. Bhavna	Ongoing
38	Jyotsana Suyal	Formulation and Evaluation of SNEDDS for Antifungal Agents in Treatment of Fungal Infections by Topical Drug Delivery	Dr. Bhavna	Ongoing
39	Irfan Khan	Impact of Obesity Reduction on Hypertension and Diabetes (PHI) Supervisor	Dr. Bhavna	Ongoing

FDP/FIP/FAP/SDP attended by faculty members

FDP				
S. No.	Faculty	Title	Organized by	Date
1	Mr.Samir Bhargava	Inspiring Faculty Programme	Harappa Education	28 Jun-26 Jul 2021
2	Dr Neeraj Kumar Sethiya	Inspiring Faculty Programme	Harappa Education	28 Jun-26 Jul 2021
3	Dr Rajeev Sharma	Inspiring Faculty Programme	Harappa Education	28 Jun-26 Jul 2021
4	Dr. Manmohan Singhal	Comprehensive online patent information course	Turnip innovations-Mumbai	26 Feb -12 Mar-2021
5	Dr. Ashok Behera	Novel Materials	SRM Institute of Science and Technology	9- 13 Nov-2020
6	Dr. Manmohan Singhal	Artificial Intelligence in Clinical Pharmacy	Online	23- 27 Nov-2020
7	Dr. Nisha Sharma	Innovation Ambassador training (Advanced Level)	MoE's Innovation Cell & AICTE	30 Jun-30 Jul- 2021
8	Dr. Bhavna	Pharmacotherapeutic Intervention for Treatment and prevention of COVID19 (Invited Talk)	GSBTM & DST sponsored National Webinar	12-Dec-2020
9	Dr. Bhavna	Papproaches to teaching and self-efficacy beliefs	AICTE Sponsored Organised by Columbia Institute of Pharmacy-Raipur	17-22 May-2021

10	Dr. Bhavna	Computer Aided Drug Designing	AICTE Sponsored- Organised by COP-Bela	10-15 May-2021
11	Dr. H Chitme	National Level Five Day faculty development program on "Scilab" in Association With IIT-Bombay (Remote Learning Through Spoken Tutorial)	Organized by the Department of Science& Humanities- IIT Bombay	15-19 Jun- 2020
12	Dr. H Chitme	Emerging Trends in Pharmaceutical Practices'	ABIPER	14-18 Jun-2020
13	Dr. Mandeep Arora	Online Teaching Platforms and Tools.	Scroll Well	01-21 Jun-2021
14	Dr Neeraj Kumar Sethiya	Best Practices in Innovation- Entrepreneurship and Intellectual Property Rights in Pharmaceutical Sector: Prospective Trends	Amity Academic Staff College in Association with Amity Institute of Pharmacy- Amity University Uttar Pradesh- Noida Campus	05- 09 Jun-2020

FAP

S. No.	Faculty	Title	Organized by	Date
1	Dr. H Chitme	Drafting Patent Application	TurnIP Innovations	28- Nov-2020

FDP/FIP/FAP/SDP Organized by the School

S. No.	Title	Convener /Organizing Secretary	Date	Remarks
1	Good Laboratory Practices	Dr Mandeep; Dr Nisha	26-30 Jul- 2021	DIT University

Conferences/workshop/seminars/ webinars attended by Faculty members

S. No.	Faculty	Title	Organized by	Date
1	Dr. H R Chitme	SCRM-AIO-2021	Centre for Interdisciplinary Research- D.Y. Patil Education Society	19-20 Mar- 2021
2	Dr. Bhavna	Molecular Phylogeny And Molecular Docking	Mizoram University	19-27 Jan-2021

3	Dr. Manmohan Singhal	GSBTM & DST sponsored National Webinar: Pharmacotherapeutic Intervention for Treatment and prevention of COVID19	Dr Dayaram Patel Pharmacy College Surat	12-Dec-2020
4	Dr. Manmohan Singhal	AICTE sponsored one week ATAL-faculty development program	Dr Dayaram Patel Pharmacy College Surat	23- 27 Nov-2020
5	Dr. Neeraj Kumar Sethiya	6-Day e-Faculty/Student development program on 'Pharmaceutical Research & Career Development	RIPER- Annatpur- AP	28-Jul-2020

FDP/Refresher Courses attended/chaired by Faculty members

S. No.	Name of the Faculty	Faculty Development Program (FDP's)/ Refresher Courses	Place	Date of organization
1	Dr. Manmohan Singhal	Comprehensive online patent information course	Turnip innovations- Mumbai	26 Feb-12 Mar-2021
2	Dr. Ashok Behera	Novel Materials	SRM Institute of Science and Technology	09-13 Nov- 2020
3	Dr. Manmohan Singhal	Artificial Intelligence in Clinical Pharmacy	Online	23-27 Nov- 2020

Conferences/workshop/seminars/webinars organized by the School

S. No.	Title	Convener /Organizing Secretary	Date	Remarks
1	Webinar on Ocean of Opportunities	Dr. Rajeev Kumar Sharma- Dr. Ashok Behera	4-Jul-2021	DIT University sponsored
2	Webinar on Lungs-Heart Interplay during and after COVID 19 infections	Dr. Jagannath Sahoo- Dr. Mandeep Kumar Arora	19-Jun-2021	DIT University sponsored
3	Webinar on Publication Ethics and Research in Neuroscience	Dr. Jagannath Sahoo- Dr. Rajeev Kumar Sharma	17-Jun-2021	DIT University sponsored
4	Webinar/Workshop on HPTLC Technique and Application	Dr. Neeraj Kumar Sethiya	15-Jun-2021	DIT University sponsored in collaboration with Anchrom India
5	Webinar on 'Management of COVID-19 with Ayush System'	Dr. Jagannath Sahoo- Dr. Mandeep Kumar Arora	12-Jun-2021	DIT University sponsored

6	Webinar on 'Intellectual Property Rights (IPRs) and IP Management for Start Up'	Dr. Havagiray Chitme	10-Jun-2021	DIT University sponsored
7	Mucormycosis (Black Fungus) prevention and treatment for post-COVID-19 patient"	Dr. Havagiray Chitme	9-Jun-2021	DIT University sponsored in collaboration with IPA- New Delhi
8	Training Session on Derwent Power Innovation. In association with Clarivate	Dr. Havagiray Chitme	8-Jun-2021	DIT University sponsored
9	Webinar on "Career in Clinical Research".	Dr. Havagiray Chitme	12-May-2021	DIT University sponsored in collaboration with ICRI- India
10	Webinar on "Understanding Pharmacology and Therapeutics of COVID-19"	Dr. Havagiray Chitme	10-May-2021	DIT University sponsored
11	1 Day Virtual National Seminar on IPR on occasion of World IP Day IP & SMEs: Taking your ideas to market"	Dr. Havagiray Chitme Mr. Samir Bhargava; Dr. Rajeev Sharma	26-Apr-2021	DIT University sponsored in collaboration with KIMS Karad Maharashtra; UIP- CSJM University Kanpur; Institute of Pharmacy- Bundelkhand University Jhansi
12	Webinar on Emotional Intelligence for Student Well-Being	Dr. Jagannath Sahoo	20-Apr-2021	GMHA- USA
13	Webinar on Intellectual Property Valuation & Licensing Technique. In Association with Intellectual Property Talent Search Examination	Dr. Havagiray Chitme	15-Apr-2021	DIT University sponsored
14	Webinar on Computer Aided Drug Designing using ZESTRA	Dr. Ashok Behera	27-Mar-2021	DIT University sponsored

15	Webinar on Significance of computational Technology in Biology	Dr. Rajeev Kumar Sharma	23-Mar-2021	DIT University sponsored
16	Workshop series on "Series-1- Product Development Approaches	Dr. Arvind Gulbake	19-Feb-2021	DIT University sponsored
17	Webinar by Dr Tapas Goswami (Emeritus Professor) IVRI (Indian Veterinary Research Institute) Izatnagar-Bareilly-	Faculty of Pharmacy	18-Jan-2021	DIT University sponsored




Under Graduate Projects


Total Number of Projects	Projects domains
45	Marketing (Pharmaceutical)
	Quality Control
	Pharmacovigilance

FDP/Refresher Courses attended/chaired by Faculty members

S. No.	Name of Applicant/s	Name of Inventor/s	Title with name of patent agency	Status
1	Bhavna and Deepika Sharma	Bhavna and Deepika Sharma	Linagliptin nano-suspension for neurodegenerative disorders" Indian Patent Application No. 201911034265- Mar 2021.	Published
2	Amit Kumar Keshari Nisha Sharma Sharad Visht Sudipta Saha	Amit Kumar Keshari Nisha Sharma Sharad Visht Sudipta Saha	Electric Funnel For The Filtration Design Application Number Design 202112937	Filed in May 2021

National/International Award/Recognition received by faculty members

S. No.	Name of Faculty Member	Name of Award	Awarding Agency	Photograph
1	Dr. Neeraj Sethiya	Enlisted in World Scientist and University Rankings 2021 (3rd Position at DIT University)	AD Scientific Index	
2	Dr. Neeraj Sethiya	Awarded with certificate of Appreciation for "Excellence in Research"- 5th Sept. 2020	DIT University	
3	Dr. Bhavna	Awarded with certificate of excellence for "WOMEN RESERCHER AWARD" - SHEN 2020	Science Father- India	
4	Dr. Bhavna	Awarded with certificate of Appreciation for "Excellence in Research"- 5th Sept. 2020	DIT University	
5	Mr. Samir Bhargava	Awarded with certificate of Appreciation for "Excellence in Research"- 5th Sept. 2020	DIT University	

6	Dr. Nisha Sharma	International young Women scientist award- MBSAC	MBSAC UK (British Society for Antimicrobial Chemotherapy)	
---	------------------	--	---	---

Foreign Visits for Scientific events

S. No.	Name of Faculty Member	Name of Scientific event	In capacity	Organized by	Date
1	Samir Bhargava	National Biotechnology Conference 2021 Poster Number- R1230-404 - Cyclosporine Loaded Nanoemulsions Using Biolipids from Neem Oil	Presenter	American Association of Pharmaceutical Sciences- USA	17-20 May-2021

National/International Award/Recognition received by faculty members

S. No	Name of Institutes /Industries	City/ Country	Purpose	Duration	
				Signed on	Valid till
1	Krishna Institute of Medical Sciences "Deemed to be University"	Karad- Maharashtra	For collaboration in- Academic & Research- Exchange of Faculty /Student Exchange of facilities- etc	26-Aug-20	Valid for 3 years. May be renewed with mutual consent
2	Institute of Clinical Research (ICRI)	New Delhi	For offering M.Sc. & Ph.D. program in Clinical Research	01-Jun-20	Valid till 31- May-2023
3	Forest Research Institute	Dehradun- India	To explore- extend and strengthen the functional relationship between the Academic Institutions- educational and scientific collaboration for mutual benefit for students nternship- projects- sharing of testing facilities- joint M.Tech- etc.	09-Oct-20	Valid for 5 years
4	Indian Glycol Ltd	Dehradun- India	Industrial Research; Training	03-Jun-20	17-Dec-21
5	Tirupati Medicare Ltd	Dehradun- India	Industrial Research; Training	18-May-20	17-May-23
6	Foundation for Healthcare Technologies Society	New Delhi	For offering Ph.D. program in Population Health	30-Sept-19	29-Sept-22

School of Physical Sciences

List of Programmes

S.No	Program offered	Year of establishment
1	PhD in Physics	2013
2	M. Sc in Physics	2018
3	B. Sc (H) in Physics	2017
4	Ph.D in Chemistry	2013
5	M. Sc in Chemistry	2021
6	B. Sc (H) in Chemistry	2017
7	Ph.D Mathematics	2013
8	M. Sc in Mathematics	2021
9	B. Sc (H) in Mathematics	2017

List of Faculty Members

S.No	Name of Faculty Member	Designation	Date of Joining	Specialization
Department of Physics				
1	Dr. Manoj Bhatnagar	Professor	29-Oct-1998	Condensed Matter Physics
2	Dr. Surbhi Sachdev	Professor- Head & Professor-in- Charge- Talent Acquisition	08-Jan-2010	Atomic & Molecular Collision Physics
3	Dr. Anil Kumar Thakur	Associate Professor	11-Jan-2021	Liquid Crystal & Photonic Devices
4	Dr. Parveen Kumar	Assistant Professor - I	10-Jul-2014	Condensed Matter Physics
5	Dr. Ravi Kumar Shukla	Assistant Professor - I	10-Jul-2014	Soft Materials and Condensed Matter Physics
6	Dr. Vishakha Kaushik	Assistant Professor - II	29-Jul-2019	Physics
7	Dr. Samta Manori	Assistant Professor - III	27-Jun-2016	Condensed Matter Physics
8	Dr. Natasha Awasthi	Assistant Professor - III	29-Jul-2019	Physics- Open Quantum System
9	Dr.Tripurari Srivastava	Assistant Professor - III	04-Feb-2021	Particle Physics

S.No	Name of Faculty Member	Designation	Date of Joining	Specialization
Department of Chemistry				
1	Dr. Naveen Singhal	Professor	25-Feb-1999	Organic Chemistry & Organic Electrochemistry
2	Dr. Kavita Garg	Assistant Professor - II	01-Apr-2021	Organic Chemistry
3	Dr. Manisha Duseja	Assistant Professor - II	08-Feb-2010	Natural Product Extraction- Phytochemistry- Pharmacognosy- Structure elucidation of Natural Product and Medicinal Chemistry
4	Dr. Suheel Kumar Porwal	Assistant Professor - II	01-Jan-2015	Natural Product Organic Chemistry
5	Dr. Jabrinder Singh	Assistant Professor - II	27-Jun-2016	Environmental Science & Engg.
Department of Mathematics				
1	Dr. Rakesh Mohan	Professor & Dean (Students Welfare)	15-May-2000	Numerical Techniques- Ordinary Differential Equations- Partial Differential Equations
2	Dr. Naresh Mohan Chadha	Professor- HoD- Dean (Applied Sciences) & In-charge (Central Library - Veda)	06-Jan-2020	Scientific Computing- Numerical Analysis- Differential Equations
3	Dr. Pooja Swaroop Saxena	Assistant Professor - I	01-Jan-2013	Differential Geometry
4	Dr. Jogendra Kumar	Assistant Professor - I	24-Oct-2013	Fluid Dynamics
5	Seema Yadav	Assistant Professor - III	01-Aug-2005	Applied Mathematics- Distributed System
6	Dr. Shilpi Singhal	Assistant Professor - II	06-Oct-2010	Cosmology
7	Dr. Fateh Singh	Assistant Professor - II	01-Jul-2015	Mathematical Modeling (particularly in Biomechanics)

8	Dr. Nitin Kumar Kamboj	Assistant Professor - II	02-Jul-2015	Statistics
9	Dr. Vinod Kumar Gupta	Assistant Professor - II	01-Jul-2016	Fluid Dynamics- Solid Geometry- Linear Algebra
10	Dr. Sandeep Sharma	Assistant Professor - II	09-Jul-2018	Mathematical Modelling and Mathematical Epidemiology
11	Dr. Dheeraj Kumar Joshi	Assistant Professor - III	05-Jul-2019	Computational Mathematics (Fuzzy set Theory and Decision Making)

List of Publications

SCI/Scopus indexed Journals

1. A. Mehta- S. Sachdev- P. Kumar- A. Singh- C. Prakash- "Improved ferroelectric properties and softening effect in BLTF ceramics-" *Ceramics International*- Vol. 47- 25163- 2021. DOI: <https://doi.org/10.1016/j.ceramint.2021.05.204>.
2. P. Chamoli- R.K. Shukla- A.N. Bezbaruah- K.K. Kar- K.K. Raina- "Microwave-assisted rapid synthesis of honeycomb core-ZnO tetrapods nanocomposites for excellent photocatalytic activity against different organic dyes"- *Applied Surface Science*- Vol. 555- 149663 2021. DOI: [10.1016/j.apsusc.2021.149663](https://doi.org/10.1016/j.apsusc.2021.149663).
3. Neha- P. Sharma- V. Kumar- M. Bhatnagar- P. Kumar- C. Prakash- "Synthesis and dielectric properties of BCT ceramics co-substituted by Sm³⁺ and Fe³⁺ for capacitor applications"- *Journal of Alloys and Compounds*- Vol. 882- 160619- 2021. DOI: <https://doi.org/10.1016/j.jallcom.2021.160619>.
4. Neha- P. Kumar- M. Bhatnagar- A. Singh- C. Prakash- "Structural- dielectric- ferroelectric and ferromagnetic properties in Fe-substituted BCT ceramics for energy storage and capacitor applications"- *Journal of Materials Science: Materials in Electronics*- Vol. 32- pp. 17620-17628- 2021. DOI: <https://doi.org/10.1007/s10854-021-06295-6>
5. R. K. Shukla- A. Chaudhary and K. K. Raina- "Electrically switchable and optically tunable liquid crystal/silicone oil based non-aqueous emulsions for electro-optical device applications"- *Optical Materials*- Vol. 117- 111147- 2021. DOI: <https://doi.org/10.1016/j.optmat.2021.111147>
6. R. K. Shukla- A. Chaudhary and K. K. Raina- "Dielectric dynamics and optical behaviour of surfactant free LC/silicone oil based non-aqueous emulsions"- *Liquid Crystals*- 2021. DOI: <https://doi.org/10.1080/02678292.2021.1931972>.
7. M. R. Goswami- P. Singh- P. Chamoli- S. Bhardwaj- K. K. Raina and R. K. Shukla- "Tuning of shear thickening behavior and elastic strength of polyvinylidene fluoride via doping of ZnO-graphene"- *Journal of Applied Polymer Science*- 2021. DOI: <https://doi.org/10.1002/app.51260>.
8. R. Mohan- B.C. Joshi- Pankaj "Generalized Invexity and Mathematical Programs" *Yugoslav Journal of Operation Research*- National Library of Serbia- 2020. DOI: <https://doi.org/10.2298/YJOR200615035J>.

13. A. Kumar- I. Hashim- A. K. Singh- V.K. Gupta- N. Saini- “Combined effect of internal heating and g-jitter on Walter-B Viscoelastic fluid in highly permeable porous media”- Journal of Porous media- Begell House- 2020- DOI: 10.1615/JPorMedia.2021036018.
14. I. Srivastava- F. Singh- A. Kotia- S. K. Ghosh- “MWCNT and graphene nanoparticles additives for energy efficiency in engine oil with regression modeling”- Journal of Thermal Analysis and Calorimetry- 2020. DOI: <https://doi.org/10.1007/s10973-020-10377-8>.
15. S. Sharma and F. Singh- “Backward bifurcation in a cholera model with a general treatment function”- SN Applied Sciences- Springer- Vol. 3- 235- 2021. DOI: <https://doi.org/10.1007/s42452-021-04189-0>
16. S. Sharma and F. Singh- “Bifurcation and stability analysis of a cholera model with vaccination and saturated treatment”- Chaos- Solitons& Fractals- Vol. 146- pp. 110912- 2021. DOI: <https://doi.org/10.1016/j.chaos.2021.110912>.
17. P. Agarwal- S. K. Porwal- “Non-edible/waste cooking oil-derived sustainable green multifunctional copolymeric additives for mineral base oil” Biomass Conversion and Biorefinery- 2021. DOI: <https://doi.org/10.1007/s13399-021-01336-w>.
18. P. Agarwal- S. Chaudhary- J. Porwal- R. K. Singh- S. K. Porwal- “Evaluation of renewable feedstock derived copolymers of stearyl methacrylate-co-triglyceride as multifunctional green additives in lubricant” Polymer Bulletin-2021. DOI: <https://doi.org/10.1007/s00289-021-03611-2>.
19. P. Bhardwaj- A. Awasthi- J. Singh- “Geospatial Variability Analysis of Fluoride Quantification in Underground Aquifers of Central Parts of Haryana State- India”- Journal of Scientific Research- Vol. 13 (3)- pp. 951-959- 2021. DOI: <https://doi.org/10.3329/jsr.v13i3.52398>.
20. J. Singh- P. Bhardwaj- A. Awasthi- “Health implications among school children due to fluoride in underground aquifers of Haryana state- India.” Environmental quality management- pp. 1-8- 2021. DOI: <https://doi.org/10.1002/tqem.21774>.
21. J. Singh- “How COVID-19 induced lockdown impacts air quality in Delhi-NCR region of India?”- Atmosfera- 2020. DOI: <https://doi.org/10.20937/ATM.52912>
22. J. Singh- Pooja- A. Awasthi- M. Rani- “Groundwater quality assessment with focus on fluoride in different parts of Haryana State- India”- Nature and Science- Vol. 18- pp. 71-78- 2020. DOI: [doi:10.7537/marsnsj180620.10](https://doi.org/10.7537/marsnsj180620.10).
23. G. Richharia- D. T. K. Dora- K. R. Parmar- K. K. Pant- N. Singhal- K. Lal- “Development of self healing cement slurry through the incorporation of dual encapsulated polyacrylamide for the prevention of water ingress in oil well”- Materials- Vol. 13- 2921- 2020. DOI: <https://doi.org/10.3390/ma13132921>.
24. G. Richharia- D. T. K. Dora- N. Singhal- T. Ghosal- Rohit Pandey- “Polyacrylamide modified Geopolymer cement slurry: A Potential barrier for channel behind casing” Materials Today: Proceedings- Vol 47(19)- pp. 2 6789-6794- 2021. DOI: <https://doi.org/10.1016/j.matpr.2021.05.132>

Papers in Conferences

1. N. Awasthi- D.K. Joshi- S. Sachdev- “Discrimination of noise channels on the basis of quantum memory”- International conference on Advances in Computing- Communication & Materials- Dehradun- India- 2020. DOI: <https://ieeexplore.ieee.org/xpl/conhome/9210149/>.
2. N. Awasthi- D.K. Joshi- S. Sachdev ”Investigating Effect of Universal Quantum Uncertainty Relation of Fermionic Model with non-ergodicity”- on 8th International Virtual Congress 2021- MP India- 2021.
3. N. Awasthi- D.K. Joshi- S. Sachdev- “Discrimination of noise channels on the basis of quantum memory”- International conference on Advances in Computing- Communication & Materials- Dehradun- India- 2020. DOI: <https://ieeexplore.ieee.org/xpl/conhome/9210149/>
4. D. K. Joshi- “Study of Correlated Markov noise channels and its effect on Quantum Speed Limit”- in International Conference on Science and Computing (ICSC 2021)- 2021.
5. P. S. Saxena- “Application of Differential geometry in Econometrics” in International Conference on Science and Technology- ICOST 2021- 2021.
6. F. Singh- “Did the COVID-19 Lockdown in India Succeed? A Mathematical Study”- in International Conference on Mathematical Modelling and Computational Intelligence Techniques (ICMMCIT-2021)- Gandhigram- Tamil Nadu- India- 2021.
7. S. Sharma- “Modelling the role of police in making COVID-19 lockdown a success”- in International Conference on Mathematical Modelling and Computational Intelligence Techniques (ICMMCIT-2021)- Gandhigram-Tamil Nadu- India- during 2021.
8. N. Awasthi- D.K. Joshi- S. Sachdev ”Investigating Effect of Universal Quantum Uncertainty Relation of Fermionic Model with non-ergodicity”- on 8th International Virtual Congress 2021- MP India- 2021.

Books/Book Chapters

1. S. Kumar- S. Sharma- F. Singh- P.S. Bhatnagar- N. Kumari- “A Mathematical Model for COVID-19 in Italy with Possible Control Strategies- SPRINGER Mathematical analysis of transmission of COVI-19- 2021. DOI: <https://doi.org/10.1007/978-981-33-6264-2>.
2. N. Kamboj- S. Sharma- S. Sharma- “Modelling and Sensitivity Analysis of COVID-19 under the Influence of Environmental Pollution- SPRINGER Mathematical analysis of transmission of COVID-19- 2021. DOI: <https://doi.org/10.1007/978-981-33-6264-2>.
3. N. M. Chadha “Advanced Numerical Methods for Differential Equations” Applications in Science and Engineering- CRC Press Taylor & Francis Group- ISBN: 9780367473112- 2021.
4. J. Porwal- S. K. Porwal- R. Singh- K. Singh- “Synthetic Biofuels and Greenhouse Gas Mitigation” in the book “Climate Change- Photosynthesis and Advanced Biofuels” eBook ISBN978-981-15-5228-1- 2020. DOI: 10.1007/978-981-15-5228-1.

5. G. Richhariya- D. T. K. Dora- N. Singhal- K. Lal- P. P. Kundu- Y. Goel- M. Rai- P. Rathi- Y. Gupta- P. Singh
 “Ultra-light weight cenospheres cement for lost circulation control with improved curing and reduced shrinkage” Advances in engineering design- 2020.

List of Research Projects (First write the Completed followed by ongoing projects and in last submitted projects)

S.NO.	Title of the Project	Project Investigator/s	Funding Agency	Amount (in INR)	Status
1	Lyotropic liquid crystalline materials for capacitive devices and as a water free soft templates to develop nanostructures	Dr. R Shukla & Prof. K K Raina	SERB	39.3 L	Completed
2	Exfoliation of large quantity molybdenum disulfide nano sheets using a cost effective technique for catalytic applications	Dr. V Kaushik & Dr. S Sachdev	Seed Money Grant by DITU	1.5 L	Ongoing
3	Controlling open quantum system: A challenge for future quantum technologies	Dr. N Awasthi & Dr. S Sachdev	Seed Money Grant by DITU	1.5 L	Ongoing
4	Reduced Graphene oxide/ Graphene Oxide Aqueous and Nonaqueous Lyotropic Liquid Crystals for Energy Storage and Biometric Applications	Dr. R K. Shukla	SERB-DST	42L	Submitted
5	Voltage Controlled Configurable Nanoarrays in Nematic Liquid Crystals (VCCNNLC)	Dr. A K Thakur	SERB-DST	48.5L	Submitted
6	Development of Double Perovskite thin films as electrode material for Solid Oxide Fuel Cell	Dr. S Manori	SERB-DST	35L	Submitted

Master's Thesis Details

S.No.	Student	Title of Thesis	Supervisor(s)
1	Khurram Khan	Synthesis and Characterization of Graphene Oxide doped Ferroelectric Liquid Crystal	Dr. Ravi K.Shukla
2	Vishal Pant	Synthesis of Double Perovskite Materials for applications in Fuel Cells	Dr. Samta Manori
3	Laique Ahmed	Exploring the Role of Graphene Oxide in Supercapacitors	Dr. Samta Manori
4	Ms. Harleen Kaur	Rheological study of MOS2 for lubricative applications	Dr. Vishakha Kaushik
5	Ankul Rawat	Measures of Entanglement for Bipartite System	Dr. Natasha Awasthi
6	Dew Pujan Chaudhary	Development and evaluation of hydroxyl-chloroquine loaded liposomal nanogel for the treatment of novel corona virus.	Dr. Md. Habban Akhter- Dr. HavagirayChitme
7	Mansi Varshney	Design and development of solid lipid nanocarriers of natural glycosides for neuro degenerative disorders	Dr. Bhavna- Dr. Neeraj K. Sethiya

Ph.D Thesis Details

S.No.	Research Scholar	Title of Thesis	Supervisor(s)	Status
1	Ms. Seema Yadav	Performance Evaluation of Distribution Processing System using Soft Computing Techniques	Dr. Rakesh Mohan	Submitted
2	Mr. Pervinder Singh	A Study of Weakly Non -Linear Stability Analysis on Newtonian and Non-Newtonian Fluids	Dr. Vinod Kumar Gupta	Ongoing
3	Ms. Shruti Tomar	Numerical Study of the Dynamical Behavior of Non-Linear Partial Differential Equations in Different Medium	Dr. Naresh Mohan Chadha	Ongoing

FDP/FIP/FAP/SDP attended by faculty members

FDP				
S.No.	Faculty	Title	Organized by	Date
1	Dr. Ravi K. Shukla	Research Methodology and Data Analysis	Teaching Learning Centre- Ramanujan College- University of Delhi	17-31 May- 2021




2	Dr. Samta Manori	Multifunctional Nanomaterials and Characterization	NITTTR Chandigarh	21-25 Jun- 2021
3	Dr. Samta Manori	Quantum and Energy Materials: Potential and Applications	NITTTR Chandigarh	14-18 Jun- 2021
4	Dr. Samta Manori	Emerging Nanoscale Devices- Circuits and Its Applications (NANODC-21)	Department of Electronics & Communication Engineering- Delhi Technological University- Delhi- India	10-14 May- 2021
5	Dr. Natasha Awasthi	Soft Computing and Data Science	ICFAI University Jaipur	01-05 Jun- 2021
6	Dr. P Kumar	Multifunctional Nanomaterials and Characterization	NITTTR Chandigarh	21-25 Jun- 2021
7	Dr. P Kumar	Quantum and Energy Materials: Potential and Applications	NITTTR Chandigarh	14-18 Jun- 2021
8	Dr. P Kumar	Green Energy Sources and Clean Technologies	NITTTR Chandigarh	07-11 Jun- 2021
9	Dr. P Kumar	Energy Storage Materials and Devices	NITTTR Chandigarh	31 May-04 Jun- 2021
10	Dr. P Kumar	Energy Harvesting Materials & Devices	NITTTR Chandigarh	24-28 May- 2021
11	Prof. S Sachdev	Green Energy Sources and Clean Technologies	NITTTR Chandigarh	07-11 Jun- 2021
12	Dr. Dheeraj Kumar Joshi	Soft Computing Techniques and their Applications	Jaypee Institute of Information echnology- Noida	13-18 Jul- 2020
13	Dr. Jogendra Kumar	Writing Research Proposals	NITTR Kolkata	03-07 Aug- 2020
14	Dr. Jogendra Kumar	Matrix Analysis and its Applications	Dr. BR Ambedkar National Institute of Technology- Jalandhar	23-27 Sept- 2020
15	Dr. Vinod Kumar Gupta	Emerging Tools and Trends in Contemporary Research	N.A.S. PG College Meerut	17-23 Jul-2020
16	Dr. Pooja S Saxena	NEP 2020: Impetus for Life Skills and Holistic Development	Central University of Rajasthan	01-05 Mar- 2021
17	Dr. Shilpi Singhal	NEP 2020: Impetus for Life Skills and Holistic Development	Central University of Rajasthan	01-05 Mar- 2021

Conferences/workshop/seminars/webinars attended by faculty members

S.No.	Faculty	Title	Organized by	Date
1	Dr. Natasha Awasthi	Quantum information and computation	IIIT Hyderabad	29-Jun-2020
2	Dr. Natasha Awasthi	ESMAC-2020	KIIT- Bhubaneswar	10-12 Aug- 2020
3	Dr. Natasha Awasthi	AFM2020	KIIT- Bhubaneswar	26-28 Aug- 2020
4	Dr. Ravi Kumar Shukla	Investigating Phase Behaviour of Suspensions of Nano-Discs Using Rheology	American Chemical Society	07-Aug- 2020
5	Dr. Praveen Kumar	ESMAC-2020	KIIT- Bhubaneswar	10-12 Aug- 2020
6	Dr. Praveen Kumar	AFM2020	KIIT- Bhubaneswar	26-28 Aug- 2020
7	Dr. Surbhi Sachdev	ESMAC-2020	KIIT- Bhubaneswar	10-12 Aug- 2020
8	Dr. Surbhi Sachdev	AFM2020	KIIT- Bhubaneswar	26-28 Aug- 2020
9	Dr. R K Shukla	Nano Material for energy and Advanced Technologies (NEAT)	DIT University	25-26 Mar- 2021
10	Dr. A K Thakur	Nano Material for energy and Advanced Technologies (NEAT)	DIT University	25-26 Mar- 2021
11	Dr. T Srivastav	Nano Material for energy and Advanced Technologies (NEAT)	DIT University	25-26 Mar- 2021
12	Dr. S Manori	Nano Material for energy and Advanced Technologies (NEAT)	DIT University	25-26 Mar- 2021
13	Dr. V Kaushik	Nano Material for energy and Advanced Technologies (NEAT)	DIT University	25-26 Mar- 2021
14	Dr. N Awasthi	Nano Material for energy and Advanced Technologies (NEAT)	DIT University	25-26 Mar- 2021
15	Dr. Dheeraj Kumar Joshi	ICMMAAC-20	JECRC University- Jaipur	07-09 Aug- 2020
16	Dr. Dheeraj Kumar Joshi	IVC-2020	ISCA	05-10 Aug- 2020
17	Dr. Dheeraj Kumar Joshi	Hands on Research data using SPSS	South Gujarat University	08-12 Jul- 2020
18	Dr. Dheeraj Kumar Joshi	Time Management	ISCA	05-10 Aug- 2020
19	Dr. Jogendra Kumar	An Introductory Course on Fluid Dynamics	CHRIST University- Bangalore	17-20 Aug- 2020

20	Dr. Vinod Kumar Gupta	ICPSMS-2020	Karnataka university	12-13 Sept- 2020
21	Dr. Fateh Singh	ICMMAAC-20	JECRC University- Jaipur	07-09 Aug- 2020
22	Dr. D K Joshi	ICSC 2021		23-24 Jan-2021
23	Dr. Fateh Singh	STUS '21		19-20 Jan- 2021
24	Dr. P S Saxena	Statistical Techniques using Software		19-20 Jan- 2021
25	Dr. S Singhal	Statistical Techniques using Software		19-20 Jan- 2021

National/International Award/Recognition received by faculty members

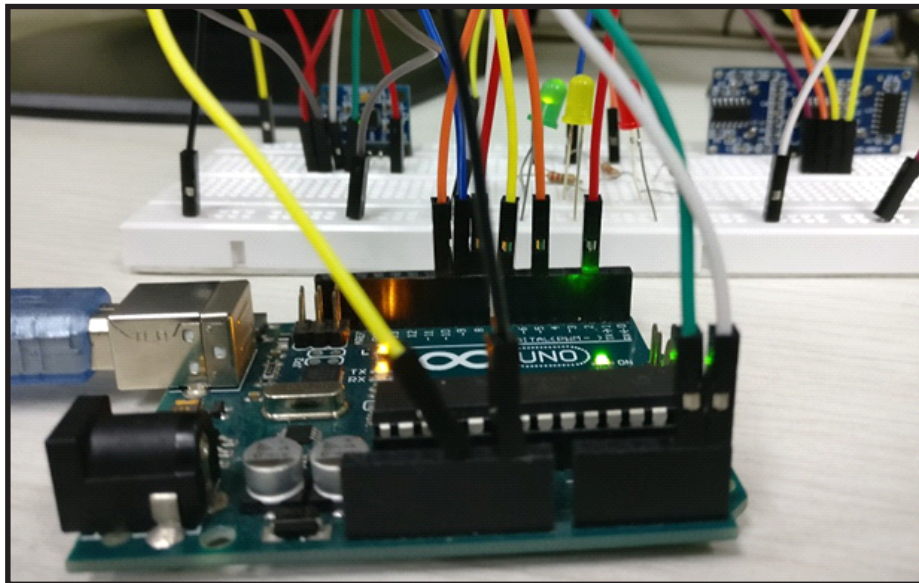
S.No.	Name of Faculty Member	Name of Award	Awarding Agency	Photograph
1	Dr. Anil K Thakur	Seal of Excellence (Research) Award	European Commission	
2	Dr. Jabrinder Singh	Recognition Certificate- NSS Directorate for societal activities on Golden Jubilee Occasion- Oct 2020	Govt. of Uttarakhand	
3	Dr. Naveen Singhal	Recognition Certificate- NSS Directorate for societal activities on Golden Jubilee Occasion- Oct 2020	Govt. of Uttarakhand	

CENTERS OF EXCELLENCE

To strengthen the research activities, DITU established two new centers of excellence in academic session 2020-21.

1. Centre of Excellence – Internet of Things

The Centre of Excellence in Internet of Things (IoT), is an ultramodern facility and equipped with latest computing machines, simulators, sensors, microcontrollers and edge nodes allow undergraduate and postgraduate students to address real world societal problems by developing practical IoT solutions using the Arduino and the Raspberry Pi platforms. This centre has developed several high end and hands-on elective courses for the University's B. Tech Computer Science and Engineering specialized track of IoT and Edge Computing. Currently, multiple PhD scholars are working on complex problems in various domains like environmental monitoring, smart vehicles, smart buildings, smart transportations, IoT analytics, etc., that result in publications at very high impact factor journals like the IEEE IoT journal and top international conferences like IEEE Sensors, IEEE SAS, IEEE MDM, etc.



1. Centre of Excellence – CAIR

The Centre of Excellence in Artificial Intelligence and Robotics (CAIR) pursues novel research by developing AI based solutions using latest computing machines, sensors, and a variety of robotics platforms. The aim of CAIR is to assist the Society and Industry with impactful contributions in the broad areas of AI, Machine Learning and Robotics. The Centre has already developed industry oriented hands-on elective courses for the University's B. Tech Computer Science and Engineering specialized track of AI, Machine Learning and Robotics. Presently, many PhD scholars are working on wide variety of research problems related to decision support systems, knowledge-based systems, image recognition, AI based healthcare, speech recognition & synthesis, deep learning, reinforcement learning, sentiment analysis, colour sensing robotics, human detection robots, deep learning, chatbots, voicebots, etc., resulting in quality publications in several high impact journals.



The activities of three Centers of Excellence established in 2019 are reported below.

Industrial Automation & Robotics (IAR) Laboratory

The Industrial automation and robotics center of excellence is an initiative of DIT University to prepare multidisciplinary engineering graduates to fulfill the requirements of the industry. The Centre has world class infrastructure supported by HYDAC- Germany equipment, training kits, hardware, and software.

Activities held during 2020-2021

Expert lecture on “Industrial Automation and Robotics” By HYDAC - (3rd Week of Jan 2020)

Three Days Training for Faculties (12th to 14th August 2020).

One Week Faculty Development Program organized by COE-IAR (3rd to 7th August 2020)

Total registered participants – 399

Total shortlisted participants- 180

Total certificate distributed -158

Invited Speaker from the “World leaders in Automation and Robotics”

As a CSR initiative of IAR-COE, the visit of ITI Nirajanpur Students was conducted on 20th Feb 2021.

ITI Nirajanpur Students visited IAR, DIT University





Nano Technology & Photonics

A. Advanced Functional Smart Materials Laboratory

In this laboratory, synthesis facilities such as spin coating unit, ultrasonic bath, hot air oven, centrifugal Unit, hydrothermal reactor, photocatalytic reactors, a complete facility for nanoparticles and nanocomposites/ nanocolloids synthesis are available. Apart from these facilities, UV-Visible spectrophotometer, Polarizing Optical Microscope, conductivity measurement, optical transmittance measurement, electro-optical and polarization measurements have been added.

In this academic year five research papers have been published in SCI/Scopus indexed journal with impact factor ranging 2-6. In addition, one UG & one PG thesis work completed successfully.

A SERB funded project (39.3 lakh) entitled "Lyotropic liquid crystalline materials for capacitive devices and as a water free soft templates to develop nanostructures" Successfully completed. Further, a novel research proposal entitled "Reduced Graphene oxide/ Graphene Oxide Aqueous and Nonaqueous Lyotropic Liquid Crystals for Energy Storage and Biometric Applications" submitted to SERB of amount 42 lakhs.

B. Materials and Nano Engineering Research Lab (MNRL)

The MNRL is working in the field of material science for bulk as well as nanoscale dimensions for various technological applications. In this academic year three research papers have been published in SCI/Scopus indexed journal with impact factor ranging 2-5.



Centre of Excellence in Land, Air and Water (CoE-LAW)

The center was formally inaugurated by Honorable Shri S P Subudhi, IFS, Member Secretary, Uttarakhand Pollution Control Board (UKPCB) on 21.01.2021. The first joint workshop between this centre and UKPCB was organized on 21.01.2021 in the domain of air pollution mitigation.

With an objective for contributions towards environmental sustainability and conservation by initiating a dedicated research laboratory to focus on all dimensions of environmental issues, the constitution of Center of Excellence in Land, Air & Water (Environmental Sustainability) has come into reality with joint collaboration between department of Chemistry and Civil Engineering.

The center is committed for its objectives and actively organizing the events for the same.



 **Uttarakhand Pollution Control Board,
Dehradun**
in collaboration with the
**Land, Air and Water–Centre of Excellence
DIT University**

 **DIT**
UNIVERSITY
IMAGINE ASPIRE ACHIEVE

Organized Workshop on

**IMPLEMENTATION OF AIR ACTION POINTS IN
NON-ATTAINMENT CITIES OF UTTARAKHAND**

CENTER OF INNOVATION, INCUBATION, ENTREPRENEURSHIPS AND STARTUP (CIIES)

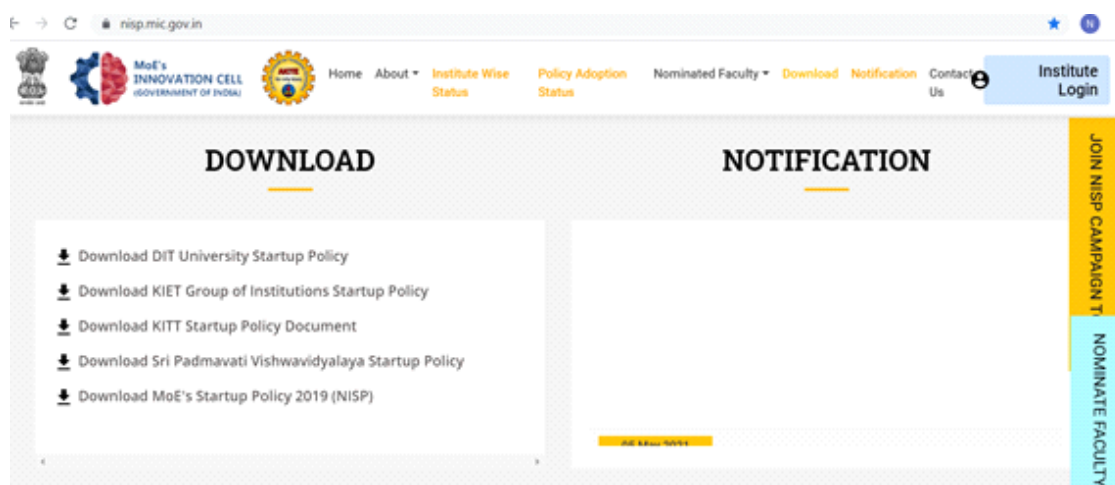
Centre of Innovation, Incubation, Entrepreneurship and Startup (CIIES), established to create and promote innovation and entrepreneurship among the Faculty, Staff, Research Scholars, Students at DIT University. In this academic session, CIIES proactively conducted numerous activities in the supervision of Core team of experienced professional of innovation and entrepreneurship.

Major Achievements:

1. Do NGOate, one of the startup incubated at DIT Technology Business Incubator has secured first rank in a National Level Competition "Eureka! Pitch your Business Plan" organized by Team SPRUCE Hitbullseye.com, (June 2021).
2. Institution Innovation Council, DIT University Received 4-star performance rating

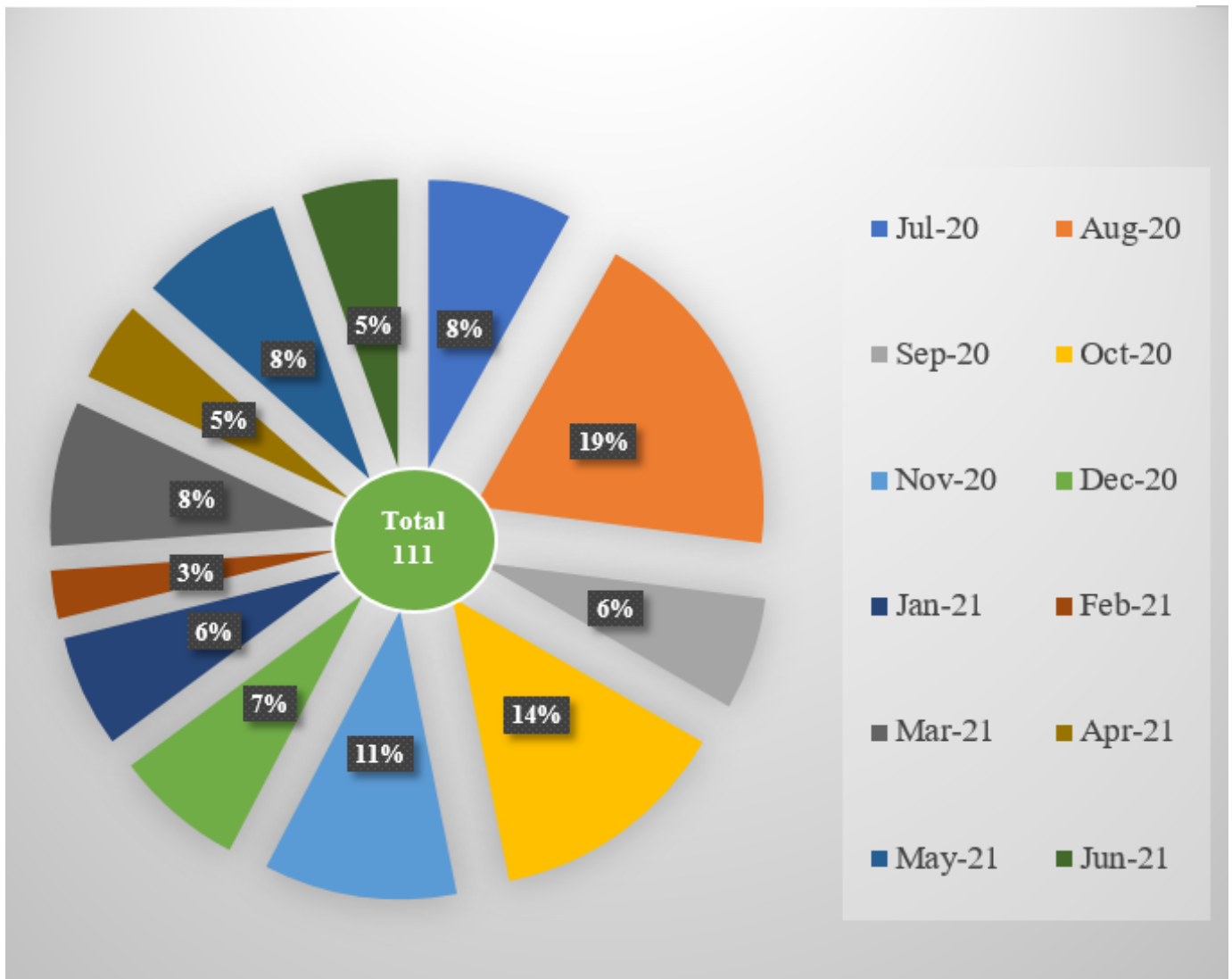


3. DIT Innovation and Startup Policy is selected as Reference policy by National Innovation, Startup Policy Team and Kept under reference section of NISP Portal, Ministry of Education, Govt of India.



4. 10 Innovation Ambassador recognized by Innovation Cell, Ministry of Education, Govt of India, including 8 from faculties and 2 from students.
5. Institution Innovation Council Received Mentor status to provide support to nearby mentee institutions.
6. Nine Innovation Ambassador recently nominated to receive advance level training from Innovation Cell, Ministry of Education, Govt of India.
7. 10 New Faculties is nominated to receive foundation training of Innovation Ambassadors.
8. Successfully conducted Launch Pad Program for 16 Incubated Startup at DIT-Technology Business Incubator.

ACTIVITIES

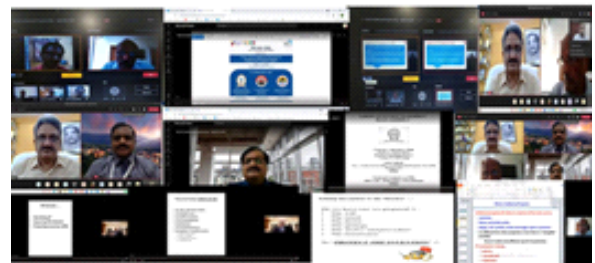




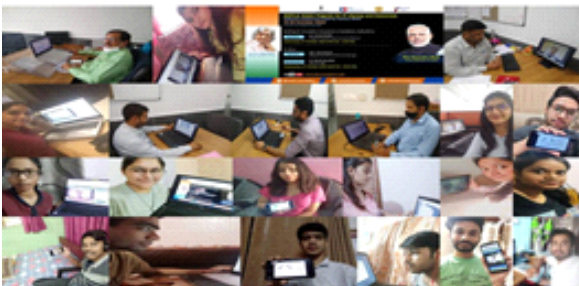
Institution Innovation Council- DIT University
Entrepreneurship Awareness Camp



Institution Innovation Council- DIT University
ONE DAY VIRTUAL NATIONAL SEMINAR ON INTELLECTUAL PROPERTY RIGHTS



Institution's Innovation Council - DIT University



Workshop on "Entrepreneurship Development Phases"
25th January 2021
3:30 PM - 4:30 PM

Speaker: Dr. Neeraj Kumar Sethiya
Head, Centre for Innovation, Incubation, Entrepreneurship & Startup (CIIES)
Faculty of Pharmacy
DIT University, Dehradun

Organized by
IIC (INSTITUTE INNOVATION COUNCIL)
LAKSHMI NARAIN COLLEGE OF TECHNOLOGY, BHOPAL

LIVE SESSION



Mentorship Session for Innovators (or) Student Entrepreneurs through Innovation Ambassadors

10 MARCH 2021 - 12 MARCH 2021
VENUE - MS TEAMS



U.C. Agarwal
Director, CIIES

Dr. Neeraj Sethiya
Head, CIIES



contact us at: ciies@dituniversity.edu.in



SESSION ON
LEAN STARTUP & MINIMUM VIABLE PRODUCT/ BUSINESS

21st May 2021
2:00 PM onwards
MS teams

Joining Link :- <http://bit.ly/LeanStartupMay>



Sumit Srivastava
Founder & CEO,
Startup Chhatisgarh



U.C. Agarwal
Director, CIIES

Visit us at: [@ciies.dit](https://www.instagram.com/ciies.dit) [@ciies](https://www.facebook.com/ciies) [@ciies](https://www.linkedin.com/company/ciies) [@ciies](https://www.youtube.com/channel/UC...)



MARKETING AND GROWTH STRATEGY FOR STARTUPS



UMESH CHANDRA AGARWAL
Director of Center of Innovation, Incubation, Entrepreneurship & Startup (CIIES)



AMULYA SHUKLA
Leadership Coach | Marketing & Branding Expert
Strategic Intervention Wizard
Past General Secretary & Currently Chair-Learning, TIE Chandigarh

MARCH 12, 2021 | 1:00PM - 2:30PM (IST)



Zoom registration link
<https://bit.ly/3v9H4k2>

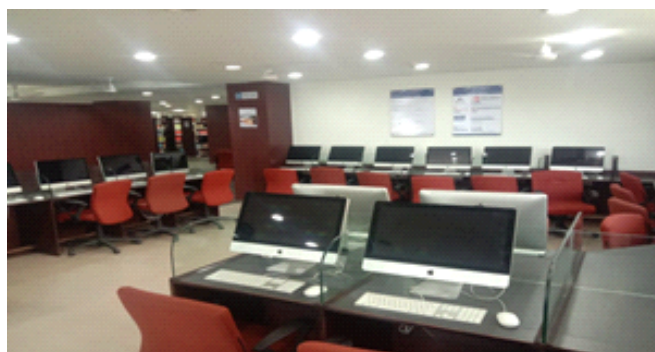


FLAGSHIP EVENT BY TIE CHANDIGARH
MARCH, 2021 REGISTER @TIECONCHD.COM

CENTRAL LIBRARY-VEDA

The Central Library is housed in the academic block “Vedanta”. Veda Central Library not only proactively works on its collection building and infrastructural augmentation, also put lot of emphasis on facilities for users. In this academic session, Veda Central Library has started SMS Alert Service for its users for sending SMS and confirmation mail for every transaction. Veda Central Library has adopted newer WEB-Centric version of library management software Libsys, a fully automated Library Management Software. In addition, 40 Apple and HP PCs have been upgraded for utilizing the library e-resources. An Institutional digital repository, using open-source software called DSpace, has also been installed for developing an electronic database on thesis, dissertations, and faculty publications.

Central Library has been allocated more than 55 lacs for the all three Libraries. Out of the allocated fund Rs.27 lacs has been utilized for purchase of printed books, and e books, Rs.7 lacs for subscription to journals and Newspaper Rs.22 lacs for e-data base and Remote access software, and Rs. 1.6 lacs for up-gradation of Library management software.



Periodical/ Magazines

S. No	Subject	Number
1	Engineering	69
2	Architecture	29
3	Pharmacy	15

List of e- Resources - Full-Text Access for Unlimited Users

S. No	Subject	Database	No. of Titles
1	Engineering	ASME	31
2	Engineering	IEEE (ASPP & CSDL)	207 Journals+2000 (Conference proceedings)
3	Engineering/Management	Delnet	500 Journals +Magazines
4	Management	EBSCO	1082 Journals +Magazines

List of Books Purchased

S. No	Subject	No. of Volumes
1	Engineering	2493
2	Architecture	385
3	List of Books Purchased	19

For authenticity and safety of users' account of readers has adopted dual confirmation method by SMS Alert Service and Web Mail Alert Service.

Following are the statistics from the circulation desk

- No. of Books Issued 12045
- No. of Books Returned 9263

INITIATIVES

- Institutional Repository of Thesis & Dissertations: Central Library has launched a digital repository of thesis and dissertations for quick and easy browsing. All these had been uploaded on Dspace and Shodganga.
- During the COVID-19, DITU Library provided the Online Information Material (E books/ E journals/ Plagiarism Service) to faculty members and all students as per their requirements.
- DITU Library has coordinated with the leading publisher for open their e-resource for the Students and faculty members. All leading publishers including TMH/Wiley/ Pearson/CBS/ etc. have provided their all e-resources to the students without proxy server.

Events Organized

Date	Event	Description
19th July 2020	Orientation on Turnitin Software	Encourage the Students, Research Scholar and Faculty Members how to use Turnitin Software
20th August 2020	Orientation on Turnitin Software	Encourage the Students, Research Scholar and Faculty Members how to use Knimbus Remot access software

COMPUTER CENTRE

The computer centre offers computing facilities for education and research with over 500 latest computers including 50 high end HP Workstations, 140 Mbps internet connectivity and state-of-the art hardware and software.



Computing Infrastructure:

- 300+ WAPs have been installed in the Campus to set up Wi-Fi zones in all important places and departments in the University.
- All the users in the University are authenticated through Cyberoam Firewall.
- Wi-Fi facility in entire campus & Hostels, with latest technology & standard i.e., 802.11n. 140 Mbps Internet bandwidth to facilitate entire university.
- Over 1400 Computers including 30 Macs and 50 high-end workstations for research purposes on DITU Network.
- License Software's under Microsoft Campus Agreement. Other License Software's: AutoCAD 2015, with 125 numbers of license.
- MATLAB and SIMULINK with 60 numbers of license.
- Modern tech-savvy Language Lab.
- Qualified IT Manager with technical savvy team.
- Microsoft Campus Agreement & MSDN Academic Alliance

NATIONAL PROGRAMME ON TECHNOLOGY ENHANCED LEARNING

A Government of India initiative, to reach out to students and faculty by providing them access to standard technical contents and Online Certifications.

- DIT University has established Local Chapter in order to supplement their courses in various disciplines of Engineering & Science, Management and Humanities.
- A large number of students are availing access to quality content from the same.

NPTEL Course Enrolled by the Students

S.no	Roll Number	Course Id	Course Name	Name	Date
1	NOC21AR02S21350013	noc21-ar02	Structure, Form, and Architecture : The Synergy	Khushi Bhatnagar	Jan-Apr 2021
2	NOC21AR02S11350032	noc21-ar02	Structure, Form, and Architecture : The Synergy	Sandeep M Saxena	Jan-Apr 2021
3	NOC21AR02S12220013	noc21-ar02	Structure, Form, and Architecture : The Synergy	Shivam Kundu	Jan-Apr 2021
4	NOC21AR02S21350027	noc21-ar02	Structure, Form, and Architecture : The Synergy	Vaibhavi Dhiman	Jan-Apr 2021
5	NOC21AR02S12220015	noc21-ar02	Structure, Form, and Architecture : The Synergy	Vidushi Agarwal	Jan-Apr 2021
6	NOC21CS27S21350087	noc21-cs27	AI: Constraint Satisfaction	Ansh Tyagi	Jan-Apr 2021
7	NOC21HS44S11360093	noc21-hs44	Effective Writing	Arshan Ali	Jan-Apr 2021
8	NOC20AR03S11350026	noc20-ar03	Structure, Form, and Architecture : The Synergy	Vatsal Dhasmana	Jul-Dec 2020
9	NOC20CE26S21350031	noc20-ce26	Maintenance and Repair of Concrete Structures	Vatsal Dhasmana	Jul-Dec 2020
10	NOC20DE06S11350028	noc20-de06	Fundamentals of Automotive Systems	Harshit Belwal	Jul-Dec 2020
11	NOC20EE18S21350005	noc20-ee18	Electric Vehicles - Part 1	Harshit Belwal	Jul-Dec 2020
12	NOC21AR02S12220015	noc20-me04	Cell Culture Technologies	Neeraj Kumar Sethiya	Jul-Dec 2020
13	NOC20ME48S31570026	noc20-me48	Principles of Vibration Control	Deepak Yadav	Jul-Dec 2020

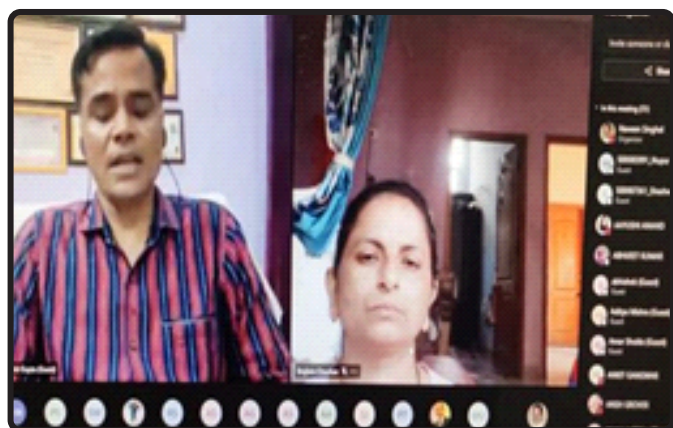
14	NOC20MG41S31350035	noc20-mg41	Leadership	Himanshu Rana	Jul-Dec 2020
15	NOC20CE44S31350057	noc20-ce44	Project Planning & Control	Vatsal Dhasmana	Jul-Dec 2020
16	NOC20CS70S41230103	noc20-cs70	Programming, Data Structures And Algorithms Using Python	Ashish Anshuman	Jul-Dec 2020
17	NOC20AR14S41350049	noc20-ar14	Housing Policy & Planning	Ankita Gaur	Jul-Dec 2020
18	NOC20AR16S41350067	noc20-ar16	Principles and applications of building science	Vatsal Dhasmana	Jul-Dec 2020
19	NOC20AR14S41350068	noc20-ar14	Housing Policy & Planning	Nagabhoina Tejendra	Jul-Dec 2020
20	NOC20CS57S41360407	noc20-cs57	Programming in C++	Ahivam Sawarn	Jul-Dec 2020
21	NOC20AE11S51350077	noc20-ae11	Introduction to CFD	Rajeev Pandey	Jul-Dec 2020
22	NOC20CS56S61350015	noc20-cs56	Problem solving through Programming In C	Chinmay upadhyay	Jul-Dec 2020
23	NOC20AR10S71350019	nnoc20-ar10	Structural System in Architecture	Purnima Verma	Jul-Dec 2020
24	NOC20EE60S71350046	noc20-ee60	Electrical Machines - I	Himanshu Gupta	Jul-Dec 2020
25	NOC20AR10S71350047	noc20-ar10	Structural System in Architecture	Vatsal Dhasmana	Jul-Dec 2020
26	NOC20EE97S81350041	noc20-ee97	Power Electronics	Himanshu Gupta	Jul-Dec 2020
27	NOC20AR13S81350118	noc20-ar13	Disaster Recovery And Build Back Better	Abhilasha	Jul-Dec 2020

Central Activities

Yog Mahotsav-2021

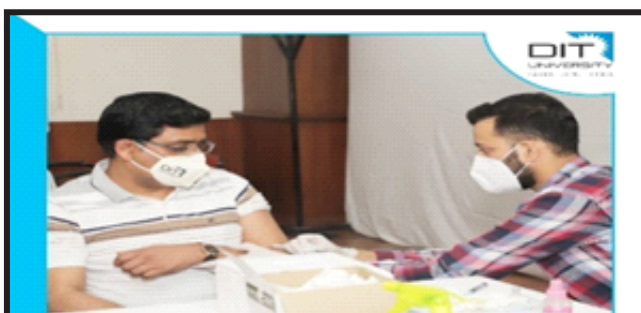
A week-long "Yog Mahotsav 2021" was organised by NSS Council, DIT University, NSS Council, and UPES in collaboration with Uttarakhand Ayurved University, Dehradun from 15th to 21st June 2021. Yog Mahotsav 2021 has enlightened members of NSS units, students, and faculty members from various schools and colleges of India. The objective of the event was to focus and address the mental and physical well-being, especially in current pandemic condition.

The yoga experts and trainers took the sessions on Meditation, Aerobics exercise and maintaining health. Yogacharya, Dr. Ankit Kumar and Dr. Rajev Kurele took the yoga sessions. Dr. Aashu Arora another expert discussed on how to maintain health during the pandemic times. Smt. Maneesha took sessions on meditation. The closing session held on 21st June 2021. Chief Guest of the valedictory session, Shri. Arvind Pandey, Minister for School & Sanskrit Education, Sports, Youth Welfare & Panchayati Raj, Uttarakhand Legislative Assembly, delivered the closing remark for the event. Other dignitaries, Shri. G S Rawat, Additional Secretary & Director Youth Welfare; Shri N. Ravi Shankar, Chancellor, DIT University; Dr Sunil Rai, Vice-Chancellor, UPES; Prof. Sunil Joshi, Vice-Chancellor, Uttarakhand Ayurved University, Dehradun; Brig (Dr) M Srinivasan, PVC, DIT University; Dr Ashok Shroti, Regional Director, NSS& Mr Ajay, State NSS Officer, Uttarakhand also graced the event by their words of wisdom.



COVID Vaccination Drive

DIT University successfully completed a COVID vaccination drive in the campus for faculty, staff and their family members on 7th June, 2021. Over 400 staff and their family members got vaccinated and pledged to fight against the pandemic. The drive was organized with proper care, maintaining the social distance and the masks with logo of the DIT were also distributed to all the participants of the drive.



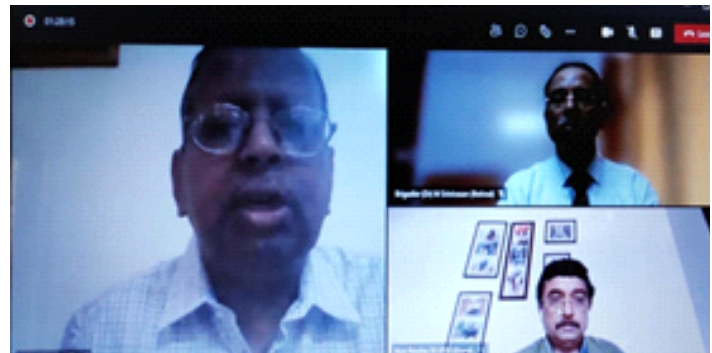
World Day Against Child Labour

On 12th June, 21, World Day against Child Labour virtually was organized by NCC cadets of the University. The day solely dedicated to innocent children who risks their lives in perusal to feed themselves. In the event, the NCC cadets of the University took initiative to spread awareness in the society and surroundings and discussed the cause of child labour, it's challenges, effect on child, remedies, and solution. Cdt. Priya, Cdt. Manpreet, Shreya Joshi, Cdt. Ritika Gurung, Cdt. Neelam, Cdt. Sanskriti, Cdt. Ritika Negi, Cdt. Sweety Rani and Dr. (Lt.) Brajlata Chauhan, Associate NCC officer, 11 UK Bn. Dehradun participated in the event.



Environment Day Celebration

The environment day was celebrated by the University on 5th June. The virtual program started at 9.45am with DIT Kulgeet and Inaugural address by Honorable chancellor Shri N. Ravi Shankar, followed by thought of the day by Brig (Dr.) M Srinivasan, Pro Vice Chancellor. The chief guest Shri Ravi Pandey Nodal officer, SWM, Uttarakhand briefed about policies of Centre and State Government for protection of the environment and Key note speaker Dr. Bharat Bhushan Environment Consultant emphasized on the process of biomass reduction in Urban areas. The vote of thanks was given by Dr. Tarumay Ghoshal.



National Technology Day Celebration

On 11th May, 2021 National Technology Day was organized by NSS, DITU. The event celebrated the achievements and contributions of Indians in the field of Science & Technology by conducting technical talks and presentations by students on technical projects.

Republic Day Celebration

DIT University celebrated the 72nd Republic Day of India. NCC cadets display youth power through parade. This was followed by a speech delivered by the Hon. Vice Chancellor and Pro-Vice Chancellor respectively. Happiness was further enhanced by sweets distribution during the celebration.



DIT University's Youth Festival 2021

On 12th of January 2021, Dr. Dhan Singh Rawat, Minister of Higher Education, Uttarakhand, inaugurated the DIT University's Youth Festival 2021. The inaugural ceremony was followed by a Blood Donation Camp at the Vivekananda Building in the DITU campus. Honourable chairman, Anuj Aggarwal thanked the minister for his valuable presence and support.

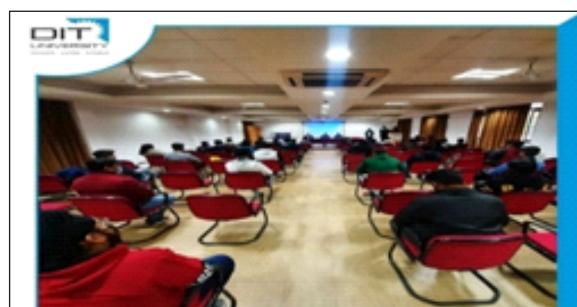


Counselling Session with First Year Students

On 15th January 2021, a counselling session was organized to tackle, and to address emotional stress of the students, during the pandemic situation. The counselling was done by Ms. Zainab Faruqi, the counsellor, DIT University. The interactive sessions in small groups were held with first-year students to help them to cope-up with any negativity around them to balance emotional & mental health.

Fresher induction/orientation program

Based on UGC guidelines to conduct Induction programme for all fresher's DIT University organized orientation program in different sessions started from 17th August 2020. The students were informed about the DIT University culture for teaching learning process and the extra-curricular activities were organized for holistic development of students. The program was held simultaneously at three different venues in the campus: Vedanta Auditorium, Vishawvesrya Building and Vishwakram Hall. The day was filled with fun activities to bring students out of their shells and learn about life at DIT University.



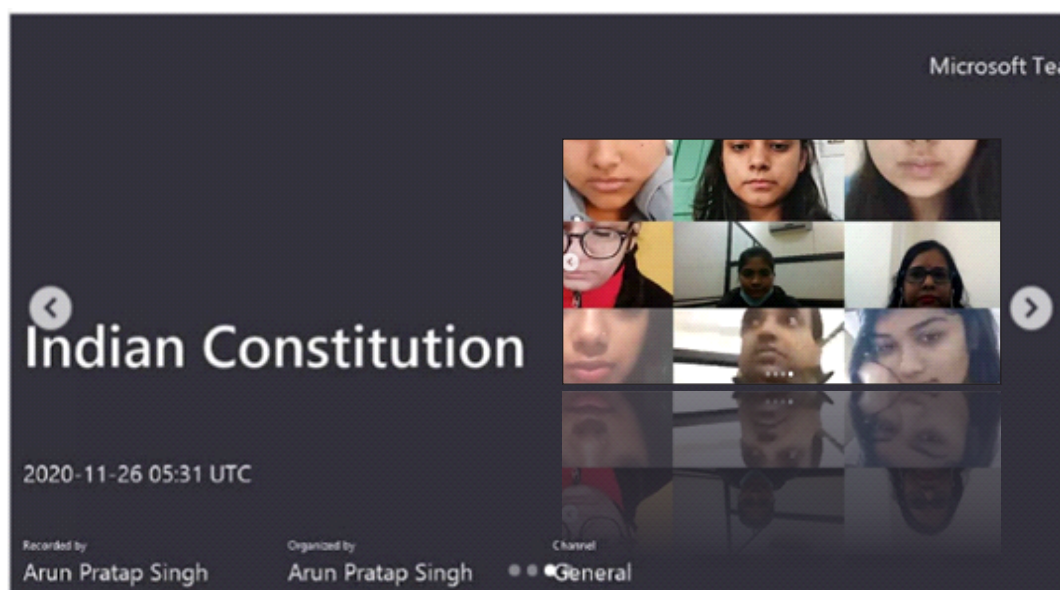
Fourth Convocation 2020

The 4th Convocation ceremony of the University was held on 12th December 2020 in the University premises, while several students across the country rejoiced the ceremony through LIVE Streaming. Former Chief Minister of Uttarakhand, Shri Trivendra Rawat and Dr. Dhan Singh blessed the students with their best wishes. In total 1434 students were awarded on this day for bachelor, masters and doctoral degrees.



Constitution Day Celebration

DIT University celebrated the Constitution Day on 26th November, 2020, recalling the message behind democratic Nation. Students and faculty members actively participated in this virtual event. Dr. Deepesh Kumar Thakur read the preamble and encourage the students by recalling and narrating the contribution of freedom fighters’.



Academic Prize Distribution 2020

To recognize and reward the academically bright students, the academic prize distribution was organized online on 20th November 2020. More than 300 students were granted scholarship to honor and appreciate their diligence. Meritorious students for the year 2020 were bestowed studentships under 6 categories: Program Wise Topper, CGPA B. Tech., Overall B.Tech., Reward & Recognitions, Memorial Scholarship and Shri Naveen Agarwal Scholarship for Girls. It's a true respite for the University to watch their students excel impeccably, taking forward the name of their parents and teachers.



National Unity Day 2020

To pay homage to Sardar Vallabh bhai Patel, the NSS Council and NCC DIT University organized the National Unity Day on 31st October, 2020. The event was aimed at Ek Bharat Shreshtha Bharat. The University proudly took forward the efforts and learnings of Iron Man of India for Nation building, while fostering unity and integrity.

Higher Education Summit 2020

On 31st October 2021, the University organized the Higher Education Summit 2020 in collaboration with Innvocon Learning Solutions Pvt. Ltd. The focus of the summit was 'Skills Landscape after COVID-19: Prospects for Academia and Industry'. Mr. Antarpreet Singh, Director of digital learning in the conversation talked about how Covid-19 pandemic changed the world sooner than we could realize. The need to realize the change to develop the skill was discussed.



Activities by National Service Scheme

Following various activities were organized under the supervision of Prof. Naveen Singhal, Coordinator NSS:

Department of Chemistry and NSS council, DIT University observes Himalaya Diwas every year to aware people & students about significance of Himalayan ecosystems and protection of its fragile habitats. Some activities organized by DITU on September 09, 2020 are Himalaya Pratigya, Virtual Seminar,

Himalaya Pratigya: Administrative staff members in campus took Himalaya Pratigya by maintaining social distance and faculty & students shared their snaps of taking oath in their respective places



Virtual Seminar: A virtual seminar was organized by NSS volunteers & students on Microsoft teams to discuss the major challenges like increasing population, rampant urbanization, unchecked deforestation, melting of glaciers and other such ecological disruptions. Prof. Naveen Singhal, Co-ordinator NSS welcomed the guests and motivated the students to participate in such events.

Dr. Ruchi Badola, Principal Scientist, Wildlife Institute of India delivered the talk on the topic "Urgent need to conserve Himalayan ecology". Dr. K. K. Raina, Vice Chancellor DITU presided over this seminar and spoke about developmental activities for construction of highways and establishment of hydroelectric.



e-Debate Competition: A debate competition was organized in the evening for students on 'Are human beings a threat for Himalayas'. Students discussed the fragile ecosystems of Himalaya, ecosystem of Ganges & Yamuna and forests resources of North-Eastern Himalayas.



Rashtriya Ekta Diwas: On the occasion of 145th birth anniversary of Sardar Vallabhbhai Patel, NSS Council DIT University, 11UK Girls Batallion and 29UK Boys Batallion organized a series of events in virtual on 31st October 2020. The event started with Rashtriya Ekta pledge. Then after next event started at 4:00pm with Commodore Vijesh Garg as the chief guest. Lieutenant Brajlata Chauhan (Associate NCC Officer, DIT University) emphasized that the students should develop the feeling of unity within themselves and also told about the achievements of NCC cadets which they achieved by working together as a team. The event ended with question-answer round and National Anthem.



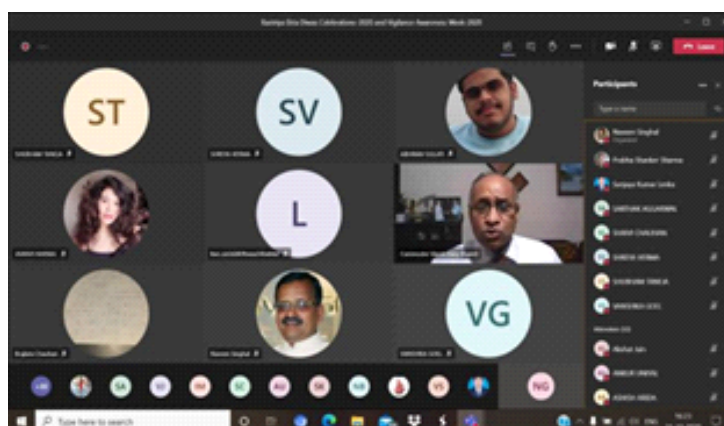
Vigilance awareness week: DIT University observed vigilance awareness week on the theme "Vigilant India, prosperous India" from 27th October-2nd November 2020.

In this week numbers of events were organized on the virtual platform. The first day in "Inaugural Ceremony" NSS volunteers took the "Integrity Pledge" and committed to uphold highest standards of honesty and integrity. Second day a "poster competition" was organized in which students presented their creativity and conveyed awareness among people on various topics like "Eradicate corruption", "Your vision India" and "Satark Bharat", "Samridhh Bharat". Pragyaa Pant and Akshat were declared as the winners of the competition.

Next there was a "Quiz competition" in which large number of students participated enthusiastically and displayed their knowledge on different topics and secured different positions based on their performances. First position was secured by Archie and Mohammad Sibtain Kadri, second position was secured by Anurag, Satyam, Samyak, Abhijeet, Kumar Gaurav, Akshat and Ankur, third position was secured by Rahul and Avni.

Then a debate competition held on the topic "Do we need a change in laws and judicial system to stop corruption" where the students made full use of their knowledge about laws and judicial system and debated in an amazing manner and won the hearts of the audience. The winner of the competition was Avneet Singh Bagga.




Closing ceremony of the vigilance week held on 2nd November. The event started with "NSS Geet" after with distribution of e-certificates for enthusiastic participation in various events and ended with National Anthem.




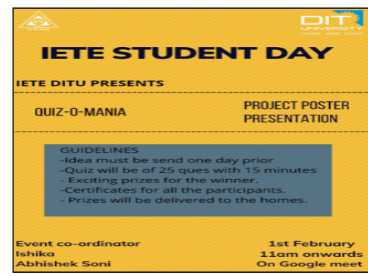
STUDENT CLUB ACTIVITIES

There are various clubs that are run by the students under the supervision of faculty advisors to inculcate the skills of organizing, managing and leadership. Various activities organized by DITU clubs are given below:

API CLUB

Event	Date	Description	Glimpses
VLOG DOWN	1-10th October 2020	An event held to picture our quarantine life. Participants had to shoot their passion and hobbies. First three winners were awarded.	
ORIENTATION	7th May 2021	An interactive and fun sessions were held for the new recruiters to get acquainted with the club. The API policies and rules were also discussed.	
SMRITI (FAREWELL)	30th May 2021	A virtual farewell function was organised for beloved seniors to make their journey more memorable.	





IETE-SF DITU

Event	Date	Description	Glimpses
ONLINE SAFETY AND CYBER CRIMES	16th January 2021	A webinar on “Online safety and cybercrimes” was conducted by IETE-SF DITU. Mr. Raj Pagriya from the Cyber Blog India enlightened the delegates on the topic.	
QUIZ-O-MANIA	1st February 2021	The quiz entitled “Quiz-o-Mania was conducted for the UG students to show case their talent. Exciting prizes were awarded to the winners and certificates to all the participants.	

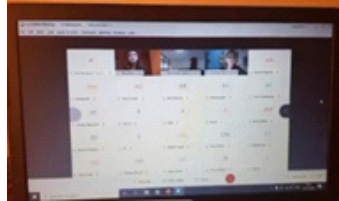
DITU ACM STUDENT CHAPTER

Event	Date	Description	Glimpses
CODE RUSH	25th July 2020	An online coding competition was organized on Code Chef online platform. The event focused on keeping the participants engaged in coding and providing them a break from stressful daily life, through a fun competition. Prabhat Singhal, Shivangi Gupta and Ayush Chawla were winners.	
BRAIN BUSTER	23rd August 2020	DITU ACM SC organized an online quiz contest "BRAIN BUSTER" to test participant's Problem-Solving Skills & General Engineering Knowledge. Harshit Awasthi, Somil S Chandra and Aryaman S Jha were winners.	
ORIENTATION 2020	30th September 2020	The event was held online, started with a presentation of the chapter followed by past and upcoming events, and experiences of club members. Project ideas were also discussed with the students.	
CODE RUSH	25th July 2020	Hacktober Fest offers participation to global community, including developers, code learners, or a company of any size. The objective was to help drive the growth of open source and make positive contributions to an ever-growing community.	
CODE ZILLA	14th February 2021	The event was planned with the intent to test participant's Problem-Solving skills, General Aptitude knowledge and coding skills. Mradul Krishna, Ashutosh Singh and Yash Vijan were winners.	
CYBER WARZ	23-25th April 2021	The event was held to connect people. It was an online gaming event. The participants registered with their teams for Valorant and Call of Duty Mobile events. The event was successful and provided many great gameplays	




SPE STUDENT CHAPTER

Event	Date	Description	Glimpses
WATER QUALITY INDEXING IN GROUNDWATER WITH FOCUS ON HEAVY METALS	18th July 2020	Dr. Santanu Bhattacharjee, Former Chief Scientist, Water Division, CSIR-NML, Jamshedpur, delivered a talk about “Water Quality Indexing in Groundwater with focus on Heavy Metals” on MS Team platform at DITU.	
ASSET INTEGRITY MANAGEMENT- AN OIL AND GAS INDUSTRY PROSPECTIVE	20th July 2020	Mr. Asaman Prasad Pattnaik, General Manager, Tata Steel UK, Port Talbot, United Kingdom, delivered a talk on “Asset Integrity Management-An Oil and Gas Industry Prospective” on MS Team platform. The aim of this webinar was to make the participant learn the techniques of design of the assets operations.	
CASING AND WELL DESIGN OF OIL & GAS WELLS	23rd July 2020	A webinar was organised on “Casing and Well Design of Oil & Gas Wells” on MS Teams. The objective of this event was to understand the techniques of designing the casing and well for oil and gas wells.	
MEASUREMENT WHILE DRILLING (MWD) SERVICE- FIELD OPERATIONS OVERVIEW	8th October 2020	Er. Khalid Mohammed Karajagi, Drilling Services Engineer, Baker Hughes, delivered a lecture on “Measurement While Drilling Service- Field Operations Overview” on MS Team platform at DITU. The objective of this webinar was to learn about the work over operations, LWD and MWD.	


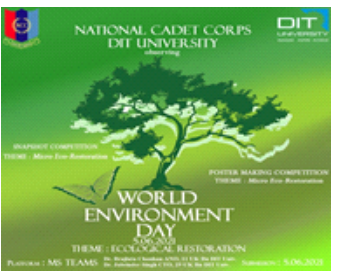
RED RIBBON CLUB

Event	Date	Description	Glimpses
MINDVILLA	10th October 2020	A National mega event was organized by Red Ribbon Club to celebrate World Mental Health Day. A huge response was received from college students across the campuses of our country.	


National Cadet Corps

Event	Date	Description	Glimpses
HARELA PARV	16th July 2020	DIT University NCC cadets and NSS volunteers observe Harela Parv in the month of July and undergo plantation drive in Guniyal & Salaan villages. The volunteers participated in ecological conservation activities near DIT University areas. The event was inaugurated by Hon. Chancellor Sh. N. Ravishankar and coordinated by Prof. Naveen Singhal. Objective of the event was to encourage and motivate the youth for protection of environment by planting and conserving the big tree species.	
BLOOD DONATION CAMP	13th January 2021	A blood donation camp was organized in Vivekananda block by NCC units of DIT University in association with IMA-Dehradun. It was inaugurated by Sh. Dhan Singh Rawat Hon. Minister of Higher Education, Govt. of Uttarakhand & Sh. Anuj Aggarwal Hon. Chairman, DIT University. Sh. N. Ravishankar, Chancellor, DITU, preside over the function & Brig. M. Srinivasan, Pro-Vice Chancellor, DITU, welcomes the guests. In this noble cause more than 55 units were donated by cadets and volunteers.	
ROAD SAFETY AWARENESS	22nd January 2021	NCC Units of DIT University observe Road Safety Awareness Day in Vishwakarma Seminar Hall with Uttarakhand Traffic Police. SP Traffic Mr. Parkash Chand & Dr. Naveen Singhal Chief Proctor DITU inaugurate the event for awareness of students and cadets about road safety. Inspector Traffic Mr. Rajpal Singh and Mr. Sanjeev Tyagi SI, CPU demonstrate the significance of traffic rules and regulations.	


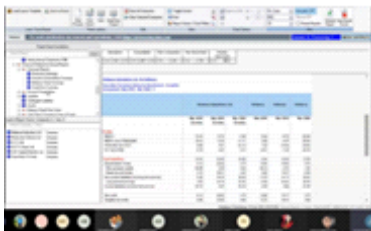

National Cadet Corps

Event	Date	Description	Glimpses
REPUBLIC DAY CELEBRATION	26th January 2021	DIT University celebrates the 72nd Republic Day of India. On this occasion, NCC Girls Battalion (11UK) and NCC Boys Battalion (29UK) organized a parade on campus. Cultural activities like patriotic poems & songs were also performed by students and staff members.	
EARTH DAY	22nd April 2021	On the occasion of Earth Day 2021, NCC platoon organized a webinar on 'Ecological Restoration'. The event was coordinated by Dr. Jabrinder Singh CTO-NCC and presided by Prof. Naveen Singhal Chief Proctor. Mr. Sandeep Jain Sr. Manager-NTPC, Ministry of Power, Govt. of India delivers keynote speech on importance of ecosystems restoration in Indian context.	
WORLD ENVIRONMENT DAY	5th June 2021	World Environment Day was organized by NCC platoon by making plantation and ecosystem restoration activities. The objective of the event was to emphasize on the conservation of natural ecosystems for sustainable development.	



SPIE

Event	Date	Description	Glimpses
INTRODUCTION TO NANOPHOTONICS	5th June 2021	An online webinar was conducted for Faculty and UG/PG scholars, in the field of Nanophotonics. Dr. Gopal Krishna Hegde explained basic and dimension scaling of materials.	

Gambit

Event	Date	Description	Glimpses
DEBATE COMPETITION ON NEW EDUCATION POLICY	22nd August 2020	The debate contest was organised for the students of MBA on the topic of 'New Education Policy 2020' which helped the student to express their views vocally on new education policy as well as with the help of the event many students came to know about the pros and cons of the new policy.	
WORKSHOP ON 'PROWESSIQ DATABASE'	19th April 2021	An interactive workshop was organized by M-Gambit club for the students of MBA regarding 'Prowess IQ Database' where students learned about the basics of the software.	
WORKSHOP ON 'PROWESSIQ DATABASE 2.0'	17th May 2021	This workshop was organized for the students on ProwessIQ Database, a most awaited event by the students. The objective of event was to give insight into that how students can extract the data using the software.	

CODEGENX



Event	Date	Description	Glimpses
HACKATHON	12th September 2020	The online coding event was hosted on the platform "HACKERRANK". Students participated very enthusiastically in this event, prizes were awarded to the winners.	
Recruitment Drive	20th June 2021	Club conducted mock recruitment drive for 2nd and 3rd year students.	

AAROGYA CLUB

Event	Date	Description	Glimpses
WORLD PHARMACIST DAY	25th September 2020	The World Pharmacist day was organized by Aarogya Club. Over 150 students and faculty members attended the event. Prof. P. N. Murthy, Director, Royal College of Pharmacy was the guest speaker.	 
DEBATE COMPETITION	31st October 2020	Debate competition on theme- "Role of Pharmacist amidst the Covid 19 crisis" was organised by Aarogya Club. The objective of event was to motivate students to cope up with Covid 19 crisis.	
NATIONAL LEVEL POSTER COMPETITION	21st November 2020	Aarogya Club organised National level poster competition as part of National Pharmacy week on 21st November. Chief Guest-Dr G.V.R. Joseph, Joint Director, Pharmacopoeia Commission discussed about "Role of Pharmacist in Covid 19 crisis"	
WINTER SCHOOL	4th Jan 2021 to 8th Jan 2021	Faculty of Pharmacy in collaboration with Aarogya Club conducted winter school from 4th to 8th Jan 2021. The theme of winter school was "Role of artificial intelligence in Healthcare".	
WORLD TUBERCULOSIS DAY	24th March 2021	Aarogya Club organized World TB Day 2021 on the theme 'The Clock is Ticking', it conveys the sense that the world is running out of time to act on the commitments made by global leaders to end TB.	

CLICKRRATI LITERRATI CLUB

Event	Date	Description	Glimpses
KAVI SAMMELAN (HINDI DIWAS 2020)	5th September 2020	Clickrrati Literrati Club organized an on line event “Kavi Sammelan” through MS Teams and it was a great success. Participants came in a great number and presented poetries & shayaris that they recited by themselves.	
RACHNA (HINDI DIWAS 2020)	16th September 2020	An event “Rachna” was conducted in Hindi language. Event was organized in online mode through Google Forms and was a great success. Participation was good and participants showcased their writing talent by writing great and beautiful essays, poems, etc.	
RANGMANCH (HINDI DIWAS 2020)	26th to 30th September 2020	An event “Rangmanch” held from 26th to 30th September, 2020 on the theme- “Lockdown Diaries”. The event was totally conducted in Hindi language as it comes under the banner of Hindi Diwas. Participants submitted their video through e-mail.	
ABSTRACT ART	20th- 21st February 2021	An event “Abstract art” was organized, in which students with the emotion of patriotism in their hearts participated and gave their souls a way to paint their heart out. A great number of participation was there and an event went well.	
CREATIVE WRITING	12th-13th November 2020	A creative writing event on the topic “A huge change in the world” was organised by the Club. Specific duration, word limits was allotted to the participants. Students actively participated in the event and the event was a success.	

TALENT HUNT	1st-2nd April 2021	Clickrrati Litterrati Club organized an event “Talent Hunt”, in which students showcased their talent like- painting, photography, dancing, singing, etc. The participation was in a good number and the event was successful.	
OPEN MIC	17th March 2021	Open mic is most excited event of the University. It was organized in Chanakya Lawn. Students showed their talent by amazing performances which includes poem, shayari, singing, beat boxing, etc. Faculties also enjoyed this event a lot and audience too enjoyed.	

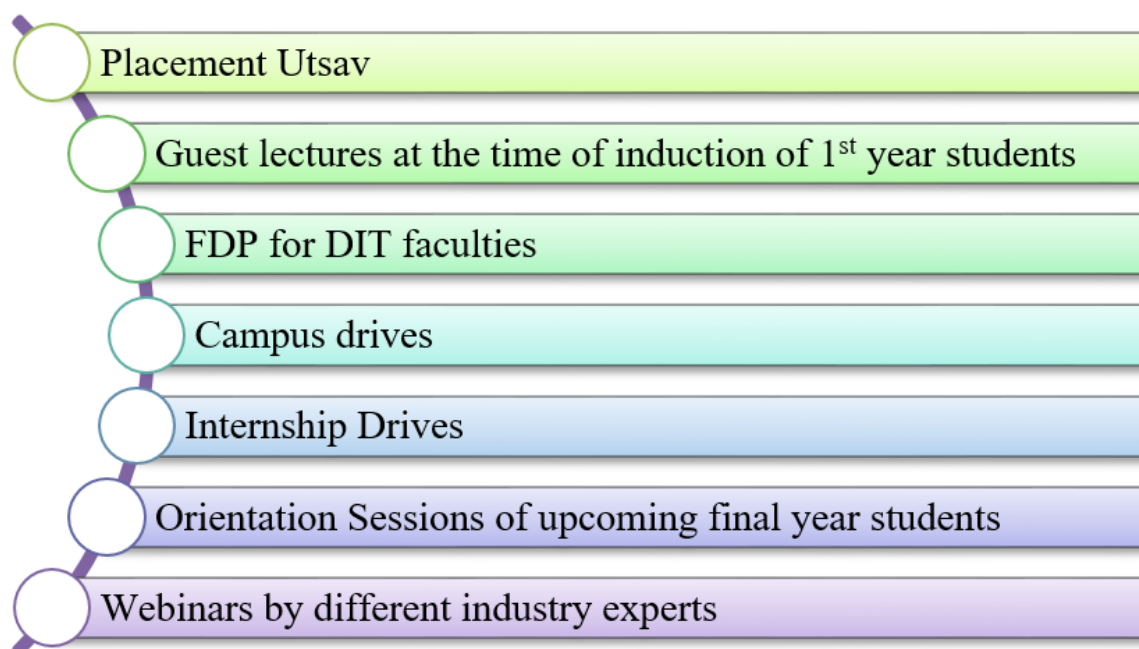
Training and Placement

Career Services Department (CSD) continued its initiatives in career development and campus recruitment activities in the year 2020-21. The Cell has organized different activities to strengthen capacity of young talents and raise their confidence to meet the real life challenges. The Cell has organized several activities to enhance the employability and facilitate employment opportunities for the students enrolled in the university. A team of Young, Energetic, Go-getter, and Goal Oriented Professionals. The department functions round the year to achieve the dreams and goals of budding professionals at the University. The CSD is an interface between the Industry and Academia to streamline the placement and related process for students. A strong Industry-Academia Interface is the KEY for the success of a department like CSD.

The role of career Services department is immensely important to establish the milestones year-on-year and to create a sustainable model for our graduates in their future professional world. DIT University strongly believe that classroom education is not enough to face the upcoming future challenges and whirlwind dynamics of the corporate world.

There is a remarkable growth in industry connect programs by virtue of guest lectures by industry stalwarts, summer trainings & Industrial visits at some of the prominent industry hubs, a specialized intensive career development program, which itself is a big booster for students to shape up their career well before they graduate. There is an encouraging growth in placements through valued recruitment partners.

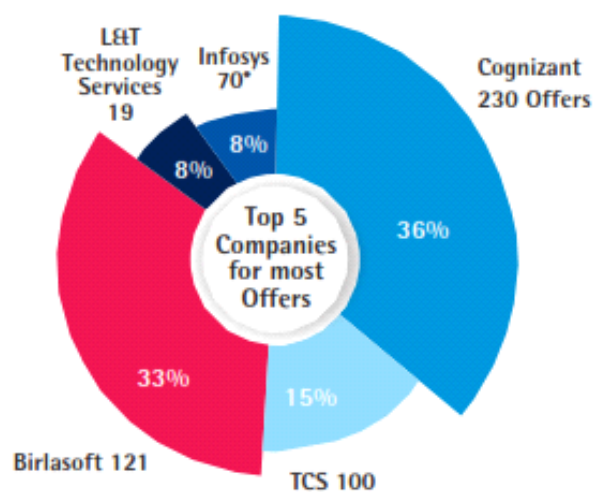
Events conducted by Career Services Cell



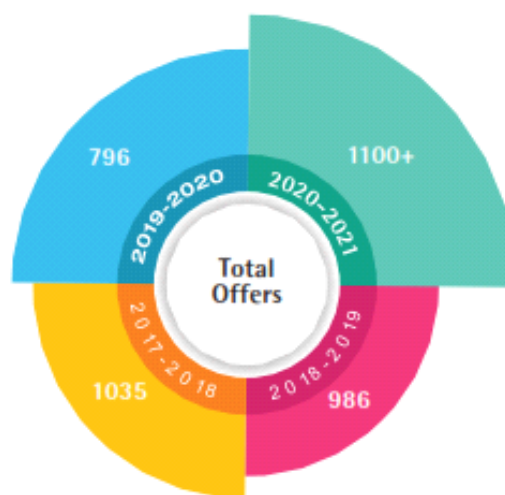
Glimpses of Events



TOP 5 COMPANIES - 2020-21 FOR MOST OFFERS



TOTAL OFFERS



Summary of Campus Recruitment at DIT UNIVERSITY

Year	2021
Total No. of Students	1358
No. of Eligible students	1217
Companies Visited	273 (In Process)
No. of Offers	1268
Unique Offers	712
Placement Percentage	58 % (In Process)

TOP 25 COMPANIES (WITH CTC)



60+

Career oriented programs

1100+

Students selected in 2020-21 under campus selection

2

Cliqs dedicated 24x7 high speed internet

89%

Consistent YOY average placements

128+

PhDs amongst faculty members

35 LPA

Rs 35 LPA offered to 

17,500

Alumni across the globe

4,500+

Students passed out at the annual convocations

5.5* LPA

Average package 2019-20
*Average salary of students who applied and were eligible

CORPORATE AWARDS & RECOGNITIONS



Award of Excellence
for
Most Innovative Idea



Vikram Award
for
Best Projects



Award of Excellence
for
Extraordinary Talent



SUPER DREAM COMPANIES




Highlight of Placement Drives



Congratulations #DITians!
225 DITU Gems
successfully placed with
Cognizant

Our students setting an Impeccable benchmark,
breaking their own records, setting the new ones!



“
I am very grateful to DIT University as a whole and the training and Placement Cell in particular for providing me with a platform to enhance my skills and the opportunity to showcase them.”
”



BHARAT
B.Tech (CSE), Batch: 2018-2022
Company placed - **PLAYSIMPLE**
CTC offered: **₹ 20 LPA**



Congratulations!

#DITUGEM
from
B.TECH (CSE)
BATCH: 2017-21

for being successfully placed with


on an annual package of
₹ 17 LACS









Shubham Negi
B.TECH (CSE)



www.dituniversity.edu.in | Dehradun



6	Tribhuvan Misra	Represented India in 7th Indo – Nepal project steering committee meeting for cross border rail links.	
7	Sanjeev Sharma	Visited to Alma Mater from HCl Technologies, United Kingdom.	
8	Dr.Sushil Bhandari	Visited to Alma Mater. Presently working as Assistant Professor, Department of Mechanical Engineering, G.B.Pant University, Pantnagar.	
9	Alumni Association	Alumni Association is also helping each other	
10	Nitin Gupta	New song of our Alumnus Nitin Gupta got 5 million reviews	

11	Sarthak Tripathi	Elected as youngest Director of Apex Co-operative Federation of Uttarakhand	 <p>Congratulations Sarthak Tripathi ECE, 2013-17 Batch</p> <p>for being elected as the Youngest Director of APEX Co-operative Federation of Uttarakhand (Uttarakhand Provincial Cooperative Union Ltd.)</p> <p>www.dituniversity.edu.in</p>
12	Ar. Karan Nagpal	Become member of “Young Architects Committee of IIA (2020-2022)”	 <p>Congratulations</p> <p>Ar. Karan Nagpal Alumnus</p> <p>To become a member of “Young Architects Committee of IIA (2020-2022)”</p> <p>www.dituniversity.edu.in</p>
13	Alumni Association	Organized Virtual Alumni Conclave	 <p>Happy glimpses of our Virtual Alumni Conclave (Hyderabad Chapter)</p> <p>www.dituniversity.edu.in</p>

Infrastructure Created:

- Animal House for School of Pharmacy built in 1000 sq. ft. area near Visvesvaraya block
- COE established with Architecture further requirements and additional space provided for Mplan
- Construction yard created in premises behind Visvakarma block
- Automobile workshop created in premises behind Visvakarma block
- Sports additional facility of volley ball created in premises behind Visvakarma block
- Robotics & AI, MLC and HYDAC Facility along with LAW and Physical science lab established and institutionalised with trained faculty readiness

Laboratories Upgradation:

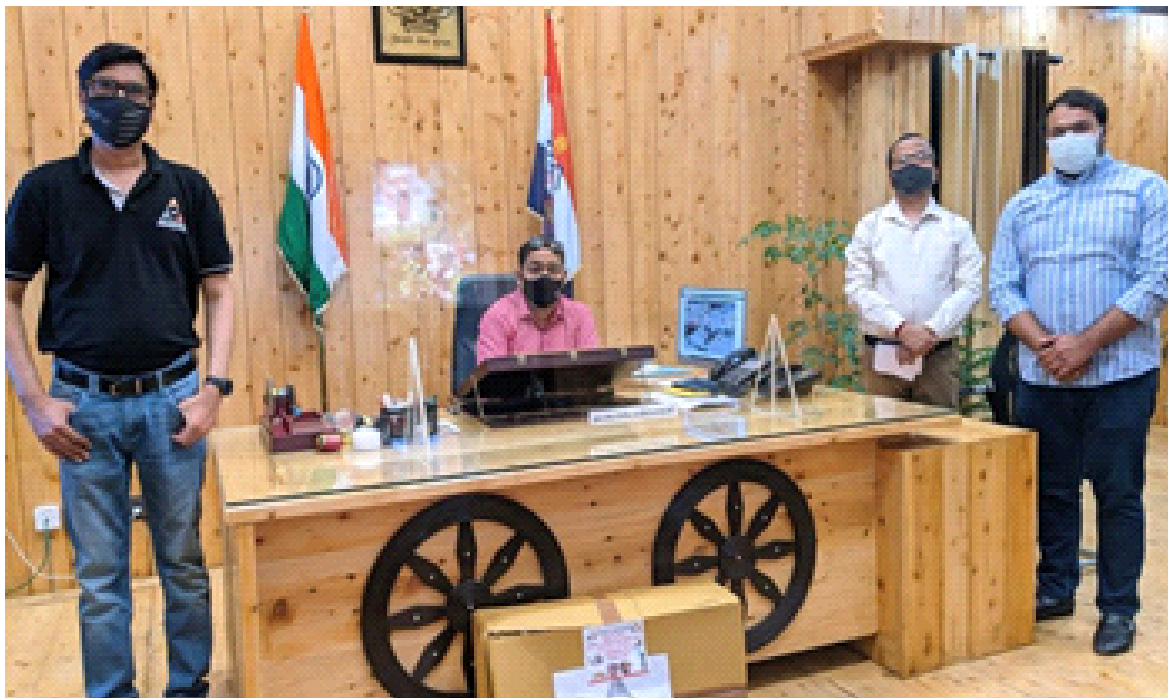
- Expansion of Chemistry department with new research lab (WIP)
- Enhancement of Molecular biology lab in School of Pharmacy, Charak building

CORPORATE SOCIAL RESPONSIBILITY

Social Activities During Covid-19

DIT University, Alumni association extended their support to the people in need during the COVID-19 pandemic. The drive: 'Mission Life Line' was started from 20th May 2021 and continued to aid throughout the pandemic COVID-19 in 2021. Under the drive, medicine kits, sanitizers, and meals have been distributed to the needy and deprived. And also the oxygen cylinders & ambulance services had been provided to the people in need. On 23rd May 2021, 500 COVID medicine kits were distributed free of cost to the needy people. The mission of DIT with full commitment continued the relief work by distributing the ration to the Divyang Jan Seva Kendra. Along with, the free ration kits were being distributed to the needy.

To cater the difficulty of commute during pandemic, a free van service was provided. On 3rd June 2021, the workers of the mission donated 2000 surgical masks to the office of Hon. DGP Shri Ashok Kumar. The drive with a commitment to aid and relief the society reached to corners of Dehradun as well as to the various regions of Uttarakhand.



Scholarship Granted to the Students of Continuing Years, Academic Year 2020-21

Scholarship	Amount (in Rs.)	Count of Students
CGPA based Scholarship for B.Tech	674489	55
Dr. K G Pandey Memorial Scholarship	10000	1
Overall B.Tech. Toppers	591098	9
Reward and Recognition (AY 2019-2020)	228500	6
Shri Naveen Aggarwal Scholarship for Girls	509886	60
Siddak Preet Singh Memorial Scholarship	10000	1
Top 3 All Programmes	1522500	122
Grand Total	3546473	254

DIT UNIVERSITY, DEHRADUN
Summary of Students Eligible for Degrees/Diploma in 4th Convocation
1ST AWARD SUMMARY
DOCTORAL STUDENTS

S NO.	PROGRAMME	BRANCH	TOTAL STUDENTS	NO. OF GIRL STUDENTS
1	DOCTOR OF PHILOSOPHY	ELECTRONICS & COMMUNICATION ENGINEERING	2	0
2	DOCTOR OF PHILOSOPHY	COMPUTER SCIENCE & ENGINEERING	3	1
3	DOCTOR OF PHILOSOPHY	ENGLISH	1	1
4	DOCTOR OF PHILOSOPHY	PHARMACY	3	3
5	DOCTOR OF PHILOSOPHY	MECHANICAL ENGINEERING	1	0
SUB-TOTAL			10	5

2ND AWARD SUMMARY
POST GRADUATE STUDENTS : 2018-20

S NO.	PROGRAMME	BRANCH	TOTAL STUDENTS	NO. OF GIRL STUDENTS
1	MBA	MASTER OF BUSINESS ADMINISTRATION -TRI	60	36
		MASTER OF BUSINESS ADMINISTRATION -TRI-SCM	9	1
2	MCA	MASTER OF COMPUTER APPLICATIONS (LATERAL ENTRY)	59	11
3	M.PHARM	MASTER OF PHARMACY	11	4
4	M.Sc	MASTER OF SCIENCE - PHYSICS	2	1
5	M.TECH	M.TECH-CAD / CAM	1	0
		M.TECH-CEM	7	1
		M.TECH-COMPUTER SCIENCE & ENGINEERING	2	2
		M.TECH-ECE-DIGITAL COMMUNICATION	4	3
		M.TECH-EE-POWER SYSTEM	5	1
		M.TECH-MECHANICAL ENGINEERING	3	1
		M.TECH-STRUCTURAL ENGINEERING	6	1
SUB-TOTAL			163	62

2ND AWARD SUMMARY
GRADUATE STUDENTS : BARCH: 2015-20, BPHARM & BTECH: 2016-20

S NO.	PROGRAMME	BRANCH	TOTAL STUDENTS	NO. OF GIRL STUDENTS
1	BARCH	BACHELOR OF ARCHITECTURE	54	32
2	BA	BACHELOR OF ARTS - ECONOMICS (H)	14	8
3	BCA	BACHELOR OF COMPUTER APPLICATIONS	68	17
4	B.PHARM	BACHELOR OF PHARMACY	35	13
5	B.Sc.	B.SC (HONS) CHEMISTRY	17	13
		B.SC (HONS) MATHEMATICS	14	8
		B.SC (HONS) PHYSCIS	10	4
6	B.TECH	CIVIL ENGINEERING	78	1
		COMPUTER SCIENCE & ENGINEERING	354	81
		COMPUTER SCIENCE & ENGINEERING- BDA	46	7
		COMPUTER SCIENCE & ENGINEERING- CCV	80	20
		COMPUTER SCIENCE & ENGINEERING - CSF	48	8
		ELECTRONICS & COMMUNICATION ENGINEERING	54	12
		ELECTRICAL ENGINEERING	18	5
		INFORMATION TECHNOLOGY	79	24
		MECHANICAL ENGINEERING	116	3
		MECHANICAL ENGINEERING (AUTOMOBILE ENGINEERING)	26	1
		PETROLEUM ENGINEERING	54	7
SUB-TOTAL			1164	264

3RD AWARD SUMMARY
GRADUATE STUDENTS : BTECH: 2013-17

S NO.	PROGRAMME	BRANCH	TOTAL STUDENTS	NO. OF GIRL STUDENTS
1	B.TECH	INFORMATION TECHNOLOGY	1	0
SUB-TOTAL			1	0

3RD AWARD SUMMARY
GRADUATE STUDENTS : BTECH: 2013-17

S NO.	PROGRAMME	BRANCH	TOTAL STUDENTS	NO. OF GIRL STUDENTS
1	B.TECH	COMPUTER SCIENCE & ENGINEERING	2	0
2		ELECTRONICS & COMMUNICATION ENGINEERING	1	1
3		ELECTRICAL ENGINEERING	1	0
4		MECHANICAL ENGINEERING	4	0
5		PETROLEUM ENGINEERING	1	0
SUB-TOTAL			9	1

3RD AWARD SUMMARY
GRADUATE STUDENTS : BTECH & B.PHARM: 2015-19

S NO.	PROGRAMME	BRANCH	TOTAL STUDENTS	NO. OF GIRL STUDENTS
1	B.PHARM	BACHELOR OF PHARMACY	6	2
2	B.TECH	CIVIL ENGINEERING	6	0
3		COMPUTER SCIENCE & ENGINEERING	1	0
4		ELECTRONICS & COMMUNICATION ENGINEERING	6	1
5		INFORMATION TECHNOLOGY	4	0
6		MECHANICAL ENGINEERING	7	0
7		PETROLEUM ENGINEERING	1	0
SUB-TOTAL			31	3

**3RD AWARD SUMMARY
POST GRADUATE STUDENTS : 2016-18**

S NO.	PROGRAMME	BRANCH	TOTAL STUDENTS	NO. OF GIRL STUDENTS
1	MBA	MASTER OF BUSINESS ADMINISTRATION -SCM	1	0
2	MCA	MASTER OF COMPUTER APPLICATIONS (LATERAL ENTRY)	1	1
3	M.PHARM	MASTER OF PHARMACY	1	1
SUB-TOTAL			3	2

**3RD AWARD SUMMARY
DIPLOMA STUDENTS : 2017-19**

S NO.	PROGRAMME	BRANCH	TOTAL STUDENTS	NO. OF GIRL STUDENTS
1	DPHARM	DIPLOMA IN PHARMACY	8	0
SUB-TOTAL			8	0

**3RD AWARD SUMMARY
POST GRADUATE STUDENTS : 2017-19**

S NO.	PROGRAMME	BRANCH	TOTAL STUDENTS	NO. OF GIRL STUDENTS
1	M.PHARM	MASTER OF PHARMACY	1	0
SUB-TOTAL			1	0

**4TH AWARD SUMMARY
DIPLOMA STUDENTS : 2018-20**

S NO.	PROGRAMME	BRANCH	TOTAL STUDENTS	NO. OF GIRL STUDENTS
1	DPHARM	DIPLOMA IN PHARMACY	43	5
SUB-TOTAL			43	5
GRAND TOTAL (1ST AWARD+2ND AWARD+3RD AWARD+4TH AWARD)			1434	343



**Mussoorie-Diversion Road, Village Makkawala, Dehradun,
Uttarakhand-248009, India**