

2016-2017



Annual
Report

DIT University, Dehradun

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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.

Foreword from the Chairman



It is matter of great pride that once again, in the year just past, DIT University has demonstrated its unique strength in adapting latest trends to build iconic careers. During the past year, we have collectively embarked on a journey to advance our vision and ensure healthy teaching learning practices.

The University offers a wide range of programs to cater to the needs of society and industries. In the recent past, the University departments have come forward with many Research and development projects and research publications in international journals of high repute. The stakeholders of the University, our students have made us proud by their active participation at National and International level technical and sports events. I am confident that in years to come, our University will set a benchmark in the world of professional education and the world will follow our foot prints.

I congratulate the faculty coordinator and team members who have placed the volume of quality information pertaining to the last academic session in this Annual Report.

Jai Hind

Anuj Agarwal

Foreword from the Vice Chancellor

It gives me immense pleasure in bringing out the Annual Report 2015-16 of DIT University, Dehradun, one of the most premier Institutions in the Northern Indian state of Uttarakhand. DIT University has made remarkable contribution to the Higher Technical Education arena of the hill state. The University offers Undergraduate, Postgraduate and Doctoral (Ph.D.) programmes in various branches of Engineering, Technology, Applied Sciences and Management. (B.Tech) in 6 specialization via Computer science, Civil, Electronics and Communication, Electrical, Mechanical and Petroleum Engineering, Bachelor of Architecture (B.Arch.) and Bachelor of Pharmacy (B.Pharm).



Post graduate programmes in Computer Science and Engineering, Pharmacy (M. Pharm) and Ph.D. in all specializations in the hallmark of the University. . Our Students have made us proud by winning laurels to their Alma-matter in National and International competitions and various co-and extra-curricular activities.

Research is and shall remain the focus of our University. The University endeavors continually to create ambience suitable for fostering research and development activities. Faculty have published over 50 Research papers in peer reviewed journals and above 60 in International/National conferences in order to contribute to knowledge generation and dissemination for the benefit of society at large. Several faculty members presented their major/minor research findings in International conferences in USA, United Kingdom, China, etc. Faculty members have also undertaken several major R&D projects sponsored by Govt. of India and DIT University.

We have a long way to go and I am confident that our management, the Board of Governors and the DITU faculty, staff and students will leave no stone unturned in making the University to achieve the vision of settlers.

I express deep sense of gratitude to our Visitor Hon'ble Governor UK State, the Uttarakhand Government, Shri Anuj Aggarwal, Chairman Board of Governors, Members of Board of Management, Academic Council for their guidance from time to time.

I acknowledge the contributions of Faculty and Staff for their untiring efforts to make the academic year 2016-17 significant in all respects and we continue the pursuit of excellence with dynamism.

Jai Hind

K. K. Raina

Foreword from the Pro-Vice Chancellor



As we grow step by step, it is indeed very much heartening to see that DIT University is scaling newer and newer heights through its achievements, as is evident from the annual report for 2016-17. It takes a great team to build a great organization. A review of the details of this report provides ample evidence of the untiring efforts put in by every one of us in further raising the standards of this University. Each individual plays a very valuable part in this process. I thank all the members of the University fraternity for their invaluable contribution in this quality building exercise. I hope this momentum of growth will continue to be provided by each one of you and that the day is not far when our University is recognized as one of the topmost Universities not only in India but also internationally.

I thank you once again for your great efforts.

Jai Hind

S. Swaminathan

PREFACE

Over the four years of short span, DIT University has become the premier institution for holistic education and scientific and technological research in India. Since inception, the University is striving to impart the updated knowledge in science and engineering with the special thrust on the research and innovation for industrial and social benefit. During last two years, significant effort was put in ensuring smooth transition from conventional practices to formal documented traditions, leading to the establishment of systems and processes for different functionalities of the University. Major overhaul was undertaken on several fronts, namely the Academic regulations, In-house and Sponsored research programs, Internships, Training and Placements, and recruitment of Faculty and Staff Members.

The University has a highly qualified and experienced faculty members who have contributed significantly to bring innovations in teaching and research. The University offers admission in the B.Tech, B. Pharm, B. Arch., BCA, B.Des., BSc, BA, M. Tech., M. Parm, MBA, MCA, and Ph.D. programs. It has several high end teaching and research laboratories to pursue applied research and consultancies. At present the University has more than 50 students in the PhD program in Engineering, Applied Sciences and Humanities. The University is continuing to take further initiatives to be globally competitive by designing new curriculum and embarking on new areas of research in collaboration with reputed research organisations and Universities.

The University stakeholders are actively involved in undertaking social initiatives for a cause to generate the awareness among poor and deprived section of society, through training and youth counselling. It a matter of great pleasure to present the Annual Report of the University, which reports the academic output and related achievements during the period 2016-17. The committee which prepared the Report, comprised of the following members:-

Dr. Ritika	Associate Professor, Department of Computer Applications
Dr. Anil Kumar Patil	Associate Professor, Department of ME
Dr. Praveen Kumar	Assistant Professor, Department of Physics
Dr. Santosh Kumar	Assistant Professor, Department of EECE
Ms. Anugrah R. Lall	Assistant Professor, Department of Humanities

The stock of activities reported in this Annualreport entails valuable inputs of the faculty and the students. We are thankful to all concerns for their support and cooperation.

Dr. Ritika
Chairperson
DITU Annual Report 2016-17

DIT University Glimpses

The last Academic Session has observed a phenomenal growth in the academics, research, community services, and infrastructural facilities of the University. It has once again attributed to the strong determination and tireless efforts of our students, faculties, administrative and supporting staff. A bundle of opportunities have been opened by introducing new programs to cater to the need of modern society. The course curriculums of different programs were upgraded to help students stay abreast of emerging technology.

With a strong emphasis on imparting quality education at UG, PG and Doctoral level, the University has admitted bright students as follows:

- ① Undergraduate Program : 1405
- ② Post Graduate Program : 169
- ③ Doctoral Program : 26

To help our mission of providing quality education, the University recruited 64 faculty members from IITs, NITs and other reputed institutions during the academic session 2016-17.

During the period under report, faculty members of the University have been granted 6 sponsored research projects of the value more than Rupees Thirty Lakhs to initiate the nucleation research in different thrust areas of science and technology. As a primary outcome of the valuable research work carried out by our esteemed faculty members, a total of 37 articles published in reputed Journals, 28 research papers presented in International Conferences and Seminars and 14 research papers presented in National Conferences and Seminars.

To embrace the cutting edge technologies and scientific innovations, a series of 31 Guest Lectures and 39 Conferences, Seminars and Workshop have been organized by various departments of the University in the said period. During last session, a large number of students have participated in the NPTEL online courses to develop insights and better understanding in the areas of their interest.

DIT University has fully equipped its systems to ERP platform for the prompt and error free implementation and management of day to day activities. The examination department has successfully implemented the ERP system for the conduction and declaration of results.

The Internal Quality Assurance Cell (IQAC) has been constituted in the University to take care of development and application of quality benchmark parameters of various academic and administrative activities.

The University recognizes the fact that field trips and excursions are important components for student's development and therefore industry tours are inducted as an integral part of academic curriculum. To strengthen the laboratory facilities, 18 new Laboratories have been commissioned in various departments of the University in the said period.

The Training and Placement Cell of the University achieved notable success in helping the students to achieve desired success. A total of 615 students have been successfully placed with attractive salary packages in reputed national and international organizations during last academic session.

The University has signed MOU's with Foreign Universities to provide easy access to the academic and research opportunities. Some of the esteemed academic partners of DIT University for education exchange programs are Gannon University, North Dakota State University, North Carolina State University, Kansas State University, and Hudders Field University.

DIT University boasts excellent links with our Alumni to seek contribution in terms of volunteering, providing advice and advocacy, and taking an active role in facilitating the Alumni Association network across the globe. The Alumni meets have been organized at different cities within and outside the country. The meets were conducted at Pune, New Delhi, Srinagar and London during the last academic year.

1. Central Activities

1.1 Admissions 2016-17

Admission counseling process began in June 2017 and was successfully completed in various stages by the end of July 2017. The Academic Session 2017-18 commences in the month of August 2017. The total number of applicants for B.Tech, M.Tech, B.Pharma, M.Pharma, B.Arch, MCA, MBA and PhD programs were about 5000. A total of 1405 students were enrolled in the undergraduate programmes during counseling on 3rd - 4th June and 25th June 2017. Students enrolled 1083 in B.Tech and B.Tech (LE), 59 in B.Arch, 63 in B.Pharma and B.Pharma(LE). New Undergraduate programs have been introduced to live up to the expectations of industries and corporate houses. These include the Basic Sciences, Applied Sciences, Engineering Science and Social Sciences such as B.Sc Honors in Physics, Chemistry, Mathematics, BA Honors Economics, BCA and Bachelor of Design (Interior Design), D.Pharm in which 195 students are enrolled. The University also enrolled 169 students in the postgraduate programmes and 26 students in doctoral programmes during the counseling held in June 2017. The classes for the new session will commence from 1 August, 2017.



Admission Counseling 2017

1.2 Statutory Bodies Meetings

Statutory Bodies meetings are conducted on regular basis at DIT University campus to ensure smooth functioning of the institution. The meetings held during the period of 1st July, 2016 to 30 June 2017 are mentioned below:

Sl. no.	Meeting	Date	Chaired by	Agenda
1.	VI Meeting of Academic Council	13-May-17	Dr. K K Raina, Vice Chancellor, DIT University	<ul style="list-style-type: none">• Review of curriculum.• Consider and approve the course structure of various Departments for Academic Session 2017-18.

				<ul style="list-style-type: none"> • Consider and approve proposed amendments in the Academic Ordinances. • Consider the ordinances for Convocation and criteria for awarding medals and degrees. • Consider the dates of First Convocation of the University for 2015, 2016 passed out and 2017 passing out students.
2.	XI Meeting of UG / PG Academic Committee	17-Apr-17	Prof. M S Kalra, Dean Academic Affairs, DIT University	<ul style="list-style-type: none"> • Discuss the recommendations of Boards of Studies of various Departments. • Debarring the students from the forthcoming examinations.
3.	X Meeting of UG / PG Academic Committee	22-Feb-17	Prof. M S Kalra, Dean Academic Affairs, DIT University	<ul style="list-style-type: none"> • Review students' performance on Industrial Internship • Discuss time slot for the industrial training for B.Tech, 3rd year students. • Discuss scheduling of PDP, VAT, Soft Skills classes and industrial training during the forthcoming semester. • To incorporate foreign language classes in the time table.
4.	IV Meeting of Board of Governors	18-Feb-17	Shri Anuj Aggarwal, Chairman, DIT University	<ul style="list-style-type: none"> • Amendments in the existing academic ordinances. • Review and approve new programs and intake for Academic session 2017-18. • Review and approve scholarship policy for Academic session 2017-18. • Review and approve Fee structure for Academic session 2017-18
5.	IV Meeting of Internal Quality Assurance Cell (IQAC)	03-Dec-16	Dr. K K Raina, Vice Chancellor, DIT University	<ul style="list-style-type: none"> • Review of community services and outreach programs. • Review of faculty feedback report. • Plan for conducting departmental audit. • Review of research projects submitted to various funding agencies. • Review of research publications.
6.	IV Meeting of	16-Dec-16	Dr. K K Raina,	<ul style="list-style-type: none"> • Introduction of new centers in the

	Board of Management		Vice Chancellor, DIT University	<p>University.</p> <ul style="list-style-type: none"> • Introduction of new programs for Academic session 2017-18. • Intake in UG/PG and Phd programs for academic session 2016-17. • Various activities conducted in last one year. • Construction work undertaken by the University. • Various MOUs signed by the University. • Merger of Department of Electrical Engg. and Electronics and Comm. Engg.
7.	IX Meeting of UG / PG Academic Committee	21-Nov-16	Prof. M S Kalra, Dean Academic Affairs, DIT University	<ul style="list-style-type: none"> • To discuss and approve the lists of students debarred from appearing in the forthcoming End Semester examinations.
8.	V Meeting of Finance Committee	21-Nov-16	Dr. K K Raina, Vice Chancellor, DIT University	<ul style="list-style-type: none"> • To approve interim annual budget for academic session 2016-17. • To report expenditure status of financial year 2016-17.
9.	III Meeting of Planning & Monitoring Board	16-Nov-16	Dr. K K Raina, Vice Chancellor, DIT University	<ul style="list-style-type: none"> • To consider new courses in academic session 2017-18. • To report progress status of PhD research scholars. • To report extra-curricular activities.
10	V Meeting of Academic Council	20-Sep-16	Dr. K K Raina, Vice Chancellor, DIT University	<ul style="list-style-type: none"> • Announcement of Dr. K. G. Pandey and Siddak Preet Singh memorial scholarships. • Result analysis of session 2015-16. • Amendments in academic ordinances of B. Arch. Promotion criterion. • To report the fee structure of 2016. • To report the sanctioned intake in UG/PG and Phd programs of 2016.
11	VIII Meeting of UG / PG Academic Committee	19-Sep-16	Prof. M S Kalra, Dean Academic Affairs, DIT University	<ul style="list-style-type: none"> • Debarring students from appearing in the forthcoming mid-term examinations. • Review of proposals for introduction of new programmes w.e.f. Academic Session 2017-18.

				<ul style="list-style-type: none"> To discuss the new evaluation scheme proposed by the Examination Department.
12	VII Meeting of UG / PG Academic Committee	05-Jul-16	Prof. M S Kalra, Dean Academic Affairs, DIT University	<ul style="list-style-type: none"> Senior faculty members should be assigned as mentor for the summer term classes. Information about Faculty Development Programme.
13	IV Meeting of Placement Council	31-Jan-17	Dr. K K Raina, Vice Chancellor, DIT University	<ul style="list-style-type: none"> Placement statistics for 2016-17. Placement brochure for 2017-18.

1.3 Corporate Social Responsibilities

1.3.1 Earth Day Celebration (VASUDHA-17)

Department of Civil Engineering, SPIE Student Chapter of DIT University and Chemistry, DIT University celebrated the Earth Day -VASUDHA, on 22nd April, 2017, Saturday in order to enhance school students - academia interactions on Environmental aspects. Inter school Quiz and poster presentations were organised on Environmental aspects. In that mega event, UCOST director general Honorable Dr. RajendraDobhal, FNASc, was the chief guest and Dr. P K Champati Ray from IIRS Dehradun was the guest of honor.



Poster Competition



Inter School Quiz Competition



Prize Distribution by Dr. Dobhal, Director, UCOST

1.3.2 World Technology Day

DIT University celebrated National Technology Day on 11th May 2017. In this event many school students, academicians and industry experts participated. Inter school Quiz was conducted and participants were awarded prizes for their talent. DIT University students displayed their live projects in an exhibition using the latest Technology.

Mr. Avinash Chandra, Executive Director, Head of the Institute, Academy ONGC Dehradun was the Chief Guest for the event “National Technology Day”. Guest of Honour Shri Arun Kumar Singhal, Chief Editor, DEW Journal shared his thoughts about creativity and innovations. Pro Vice Chancellor, Prof. S.Swaminathan, Prof. Y.K.Tyagi and other dignitaries along with the faculty, staff members and students were present to grace the occasion.

1.3.3 World Pharmacist Day



Faculty of Pharmacy celebrated ‘World Pharmacist Day’

Faculty of Pharmacy celebrated ‘World Pharmacist Day’ on 25 September, 2016 in association with UK IPA State branch and the Aarogya Club. 200 prescription files and medi-containers were distributed to Doon Hospital patients. The students created awareness about complications in Dengue and Diabetes along with their precautionary measures and interacted with doctors and pharmacists of Doon hospital and shared the purpose of maintaining prescription files. The same team also visited an

Old Age Home and an orphanage to distribute gifts. Prof. (Dr.) N.V. Satheesh Madhav, Director-Faculty of Pharmacy along with faculty members visited Haridwar and distributed food to 400 people at Har-ki- Pauri and Ramanand ashram. The team members also organized a blood sugar level test program for the people.

1.3.4 International Yoga Day

DIT University organized Yoga Session on 21 June, 2017 at Vishvakarma Block in association with 'Art of Living' on the occasion of International Yoga Day 2017. The event witnessed the mass participation of faculty and staff members.



International Yoga Day Celebrated at DIT University

1.3.5 Parcel of Happiness

On 17th October, 2016, the Counseling team observed together the "International Day for the Eradication of Poverty" by donating to the underprivileged children. Students and staff of the University supported this act by donating stationary items, books, eatables, clothes, toys and other useful items for the orphanage.



International Day for the Eradication of Poverty

1.3.6 Blood Donation Camp

DIT University in collaboration with IMA Blood Band and Shri MahantIndiresh Hospital, organized a blood donation camp in the collage premises on 5 and 6 October, 2016. The main objective was to help the people suffering from Dengue. This camp was an initiation of AmarUjala and was sponsored by the same.



DIT University in collaboration with IMA Blood Band and Shri MahantIndiresh Hospital, organized a blood donation camp

1.3.7 NASI Summer School

DIT University & National Academy of Sciences (NASI) jointly organized a Summer School from June 6-11, 2017. About 250 students from nationwide participated in this event. Program comprised of expert lectures and laboratory visits to build the required human resource pool for strengthening and expanding the limits of Science & Technology. Guests, Prof. Ravindra Dhar & Prof. Dharendra Sharma (Close Associate of Dr. Abdul Kalam) inspired & motivated students with their real life experiences.

1.3.8 World Environment Day

World Environment day was celebrated on 5 June, 2017. On this occasion Cleanliness drive and tree plantation was organized under the guidance of Dr. Naveen Singhal and his team. The medical kit was also distributed to the villagers. The Vice Chancellor Dr. K.K. Raina and Pro Vice Chancellor Dr. S. Swaminathan participated in the event with zeal and enthusiasm.



Plantation Drive and Swachh Bharat Abhiyan on Environment Day

1.3.8 Entrepreneurship Activities

Centre for Entrepreneurship Development has conducted Entrepreneurship and various other Programs. A number of entrepreneurship awareness/development programs, namely EACs and FDP funded by DST-NIMAT are run successfully. Centre is also running various ESDP programs under CSR. Besides, prestigious Micro Turbine-Pump-Electricity Generator, funded by UCOST is also in the process of development, Formula Style Car DM-XVI and participated in the CII Industrial Expo 2016.

❖ Entrepreneurship Programs: Highlights are given below:

EACs:

- EAC at DIT University, from 15-19 September, 2016, where 79 numbers of students were participated and got benefited.
- EAC at DIT University from 16- 20 February, 2017, where 77 numbers of students were participated.
- EAC at Government Polytechnic Aamwala, Dehradun from 11-13 April, 2017.
- EAC at DIT University from 17- 19 April, 2017.
- EAC was organized at Blue Mountain Polytechnic, Dehradun from 20-22 April, 2017, where 85 numbers of students were participated and got benefited.

FDP:

- FDP on Entrepreneurship at DIT University from 18 January - 1 February, 2017. It was a two-week residential program.

CSR Programs:

- Organized an ESDP on Carpentry at DIT University from 26 September - 1 October, 2016. It was a one week program. Students from nearby schools had participated.
- Organized an Auto Work Shop on Vehicle Dynamics. M/S Republic Motors conducted the Work shop at DIT University from 9- 11 September, 2016.
- Organized ESDP on Fiber Glass Plastics manufacturing and repair at DIT University from 20 – 24, May 2017. It was a three day Program.

Miscellaneous activities:

- Developed Prestigious Micro Turbine-Pump-Electricity Generator. It was funded by UCOST to supply water and electricity to remote hills of Uttarakhand.
- Mechanical engineering students designed & developed "Formula Style Car DM-XVI" and participated in FORMULA STUDENT INDIA, an International event, in January, 2016, held at Coimbatore. They achieved the fourth position in the Endurance event.
- Participated in CII Industrial Expo at Haridwar in Nov, 2016. DIT University received Prestigious Appreciation Award.



EAC at DIT University from 15th to 19th Sep.2016



EAC at Blue Mountain Polytechnic from 19 to 22nd April 2017



FDP at DIT University from 18th Jan to 1st Feb. 2017



ESDP on Carpentry at DIT University 26th Sep. to 1st Oct. 2016.



Unveiling Ceremony of Formula Style Car DM-XVI



DIT University at CII Expo 2016 at Haridwar with Award

1.4 Academic Resources

1.4.1 Learning Resource Centre- 'Veda'

The Central Library is the heart of the University which serves as a creative and innovative tool partner in supporting the teaching, learning, and research activities in the campus. With the fast growing collection, both in digital and print forms using the state-of-the-art facilities, the Central Library is contributing to the University's mission of becoming a world class University in the areas of Technology, Management and Allied subjects.

The Central Library is housed in a newly built academic block "Vedanta," and is spread over 27000 sq. ft. area with 400 students seating capacity. Entire Library space is air conditioned with ample natural light and abundant views of beautiful landscape. The collection of the Central Library encompasses subjects in Mechanical Engineering, Civil and Petroleum Engineering, Electronics and Communication technology, Computer Science, information Technology, Humanities and Social Sciences and related areas. This collection includes, books, journals, conference proceedings, reference books, CD-ROMs, VCDs, DVDs, and Video Cassettes etc.

The broad objectives of DITU-Central Library are:

- To build a state-of-the-art knowledge resources Centre for Engineering and allied subjects.
- To acquire need-based resources to meet information requirements of the academic community.
- To provide proactive and innovative reference services to the user community.
- To provide modern tools for accessing information.
- To disseminate technical knowledge.
- To network with leading libraries.



Central Library

➤ Highlights

- Students and faculty can access bibliographic data of central library by using internal E-Library Portal.

- Unparalleled subscription to over 200 national/ international print research journals and 25 magazines.
- Forty eight networked Apple Macs in the Digital Library section.
- Book Bank Section consists of approximately 70,000 books and the central library distributed to all the students approximately seven books per semester per student.
- CD Bank comprising over 2,000 CD-ROMS of books & learning resources.
- Automated circulation with Web OPAC of all reading materials through Libsys software.
- DIT University is a member of DELNET which offers access to about three million books and other documents through a number of union catalogues, union lists, and other databases that are accessible through the INTERNET.
- Reference books including encyclopedias handbooks, conference proceedings books, and reference literature on a wide array of subjects including engineering, technology, leadership, research, business, current affairs, etc.
- Supplement video lectures through NPTEL.
- 3M Library Security System for round-the clock protection of Library reading materials.
- Reprographic section provides Photostat, laser printing and scanning facilities within the library.
- 24*7 Wi-Fi enabled library.

➤ **Events:**

DITU-Central Library, conducted three days ICSSR National Workshop on Open Source Technology for Library Automation & Content Management in collaboration with Indian Council of Social Science Research, New Delhi during 01st April – 03rd April 2017.



ICSSR National Workshop on Open Source Technology for Library Automation & Content Management

- On 23April, 2017, World Book Day was celebrated at the Central Library, Veda. On this occasion, The Best Reader award was accoladed to the students and faculty and Non-teaching staff. The Chief Guest of the function was Dr. Manoj Bhatnager (Dean Faculty Affairs).



Best reader award distribution on World book day

1.4.2 New Laboratories established

Establishment of New Research laboratories complementing the state-of Art facilities at the campus facilitates progressive teaching learning and research. During the last year DRDO lab, Photonics lab, and Material Research Laboratory, IBM Lab in Computer Science and Engineering, Automobile Lab in Mechanical Engineering, Reservoir Engineering Lab, Petroleum Product Testing Lab, Drilling Fluid and Cement Lab, Unit Operation Lab, Building and Concrete Lab, Soil mechanics Lab, Environmental Engineering Lab, Transportation Lab, Fluid Mechanics Lab, Geology Lab, Survey Lab and Structural Analysis lab have been established to reduce the gap between academia and industry.



New Laboratories established: IBM Bigdata Lab

1.4.3 NPTEL Local Chapter

NPTEL (National Programme on Technology Enhanced Learning) local Chapter has been established on 19th January 2016 to enrich the learning resources for our students. The objective of this Chapter is to enable the students gain knowledge through online video lecture and get certificates after successful completion of course(s) pursued. It also helps them to get the opportunity in the industries and pursue studies in the desired area. Dr. Ritika, Coordinator, NPTEL Chapter, DIT University received appreciation certificate for instrumental role as SPOC, NPTEL DIT Chapter from the coordinator of NPTEL, IIT Madras for the session July-dec'16 and Jan-April'17. NPTEL Local

Chapter of DIT University is a Active Local chapter and also recognized as one among the Top 100 Local Chapters with Rating 'A' for the July-Sep 2016 and Jan – March/April 2017 semester. This rating is based on for the number of students present in the exam (for both March and April 2017 exams) and the type of certificates obtained by them.

Year	Scholarship applied	Total Enrolment	Mentor	No of student appear for exam	Rating
Jun-Sep 2016	116	171	6	45	•Active Chapter •'A' Grade
Jan-April 2017	201	656	17	66	•Active Chapter •'A' Grade
<i>Statistics of DITU enrollments to the NPTEL for session 2016-17</i>					

1.4.4 Research and Development Resources

In-House Funded Project during 2015-16:					
Following DITU-funded projects have been undertaken by various departments:					
S. No.	Investigator (s)	Department	Title	Money Sanctioned (INR in Lakhs)	
1	Dr. Ravi Kr. Shukla	Applied Science (Physics)	Effect of nano particles doping on the physical properties of lyotropic liquid crystalline phases	5.00	
2	Dr. Samta Manori	Applied Science (Physics)	Development of photocatalytic self cleaning smart surfaces: role of TiO ₂	1.00	
3	Dr. Parveen Kumar	Applied Science (Physics)	Transition metal substituted soft nano-ferrites for humidity sensors and other applications	1.20	
4	Dr. Rajat Jain	PE	Development of polymer solutions using synthesized additives for enhanced oil recovery(EOR)	2.50	
5	Dr. Upendra Yadav	PE	Experimental study of polymer gel for sand consolidation in hydrocarbon reservoir	2.50	
Grand Total				12.20	
External Funded Project during 2016-17:					
Following external funded project has been undertaken by DIT University:					
S. No.	Investigator(s)	Department	Title of the Project	Sponsored agency	Money Sanctioned (INR in Lakhs)

1	Dr. Tarumay Ghoshal, Dr. S K Tiwary, Dr. A Chakraborty	Civil Engineering	Implication of data assimilation for identifying short scale variations in various biogeochemical characteristics in the Bay of Bengal through Regional Ocean Model Simulations	DST	18
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1.5 Conferences/Workshops/Seminars/Talks

1.5.1PREC 2017

Department of Petroleum Engineering organised 1st National Conference on Petroleum and Renewable Energy, PREC 2017, on 22nd March, 2017. Shree Utpal Bora, (CMD) Oil India Ltd. was the Chief Guest of the event and Mr. Mahendra Pratap, Dy. Director General, DGH was the Guest of Honour. Dr. K.K. Raina (Vice Chancellor), eminent personalities from Oil and Gas industry and seasoned professors were present to enlighten the student with their experience and knowledge.



Distinguished dignitaries inaugurated Petroleum and Renewable Energy Conclave-2017

1.5.2 MAT-2017



Inauguration ceremony of MAT-2017

SPIE/OSA Chapter organized national symposium on Materials for Advanced Technologies (MAT-2017) on 20-21 February, 2017. It provides an opportunity to accomplish a forum for professional interactions and dissemination of information on latest and perspective developments in the emerging fields. The technical programme included invited lectures by leading experts in the field, oral and poster presentations. Authors were invited to submit abstract of their work in 200-250 words by January 15, 2017.

1.5.3 Seminar on “Entrepreneurship by Website Creation and Maintenance”

A Seminar on “Entrepreneurship by Website Creation and Maintenance” was organized on 5 October, 2016. The event was organized under “Digital India Program” with Proximo Planet WebTech Pvt. Ltd., Delhi. Chief Guest was Shri Deepak Kumar, Secretary-IT, Govt. of Uttarakhand.

1.5.4 NCAERG 2016

The Department of Chemistry organized a two day National Conference on "Alternate Energy Resources, Environment Protection & Global Economic Growth NCAERG-2016" on 9-10th September 2016 in collaboration with Uttarakhand State Council of Science & Technology, Dehradun. About 60 delegates from different Universities & Industries presented paper and poster in five technical sessions. The Chief Guest for the inaugural function was Dr. Umakant Panwar, Principal Secretary, Department of Energy, Government of Uttarakhand. The key note speakers were Dr. Asha Rajvanshi, Scientist G & Head EIA Cell, Wildlife Institute of India, Dehradun, Dr. Shailey Singhal, Associate Professor, Department of Chemistry, University of Petroleum & Energy Studies, Dehradun, Dr. C. Baskar, Dean, THDC, Tehri, Dr. Ruchi Badola, Scientist G, Biodiversity Cell, Wildlife Institute of India, Dehradun and Dr. Rajkumar Singh, Scientist C, IIP, Dehradun.

The conference ended with the Valedictory Function & Certificate Distribution Ceremony on 10th September 2016. The Chief Guest, Shri Pushpak Jyoti, DIG, Law & Order, Garhwal Range, Dehradun graced the occasion by his presence. Best paper and poster presentation was awarded. Dr. Rajendra Dobhal, Director General, Uttarakhand State Council for Science and Technology, Dehradun was the chief guest on the closing session.



NCAERG-2016" on 9-10th September 2016 in collaboration with Uttarakhand State Council of Science & Technology

1.5.5 Visit of Fullbright Fellow Dr Bala Natrajan

Dr Bala Natrajan, Fullbright Fellow and Professor, KSU, Kansas, USA has visited DIT University from January 01, 2017 to February 15, 2017 as a full bright expert scholar. Professor Natarajan's core scientific research expertise spans theoretical domains of statistical signal processing, stochastic and mathematical modeling, and optimization and networked control theories. During his visit common interest for discussions with him was Internet of things, Statistical Learning, How to become a good Researcher, Digital Communication, Data Science, wireless communications, sensor networks, smart building with innovative ideas in building design cyber physical systems (e.g., smart grid), biomedical systems and complex network science. He has given many Technical lectures that lead to research problems. In addition to his planned assignments of Research and Teaching, he organized a Symposium/ Group Discussion Meeting in thrust area of CSE/ECE/EE Technologies during this period.



Dr Bala Natrajan talk on "internet of things"



A Guest lecture by Prof. Yosi Shacham (Faculty of Engineering, Tel Aviv University, Ramat Aviv 69978, Israel)

1.5.6 Prof. Yosi's Talk

Prof. Yosi Shacham (The Bernard L. Schwartz Chair for Nano Scale Information Technologies, Department of Physics and Electrical, Faculty of Engineering, Tel Aviv University, Ramat Aviv 69978, Israel) gave a talk titled "Nano particle based bio electrochemical sensors for flexible and printed electronics" on Wednesday, 23rd November, 2016. His research interests are Silicon Based Nano-Technologies, Nanoline Inter Connect Technology, and Multilevel Metallization System.

1.5.7 Guest Lecture on Entrepreneurship Development

Mr. Lokesh Sikka, Director HR, Snapdeal visited DIT University for a Guest Lecture on How the students can make their way to e-commerce platforms like Snapdeal, Flipkart and how the students can land up into the Start Ups.

1.5.8A Talk by Sonam Wangchuk, Founder of SECMOL

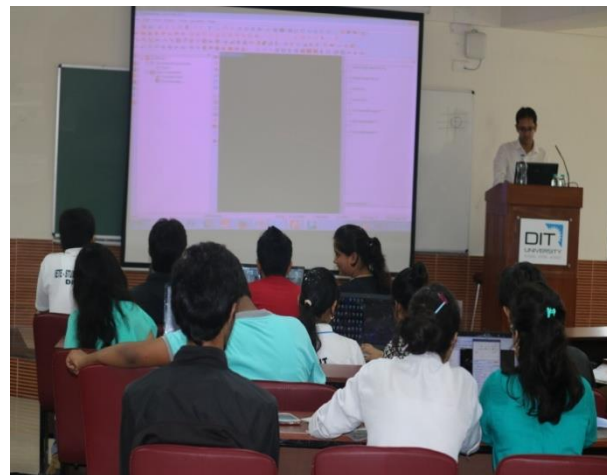
A talk by Sonam Wangchuk founder SECMOL was organized at DIT University on 20 Feb 2017. He is the director of SECMOL (Students' Educational and Cultural Movement of Ladakh) which aims to bring reforms in the government school system in Ladakh. He was granted several awards and titles, such as The Rolex Award for Enterprise 2016 and the Governors Medal by the J&K State Government in 1996. He deliberated on innovations like building solar heated buildings that are low cost, made of earth/mud but maintain +15 C in Ladakhi winters. He also explained about the invention of the Ice Stupa artificial glacier which stores the wasting stream water in winter in the form of giant ice cones.



A talk by Sonam Wangchuk at DIT University

1.5.9 Workshop on “EM simulation for ANTENNA

A workshop on “EM simulation for ANTENNA” was organized by IETE student forum in which students were briefed about five module based on Antenna designing on EM cube simulator. This one day work shop was held in 16 September, 2017 and delivered by Mr. Gaurav Verma VTS System New Delhi.



Event- Workshop on Antenna AWS-17

1.5.10 NPTEL Awareness Workshop

NPTEL DIT University Local Chapter in association with NPTEL IIT Kanpur and NPTEL IIT Roorkee has organized a workshop on 11 Feb 2017 at DIT University, Dehradun for all Local Chapters associated with NPTEL, IIT Kanpur and for all the institutes who would get associated with NPTEL in future. People from prestigious institution of Dehradun, Roorkee, and Haridwar and nearby places has participated. Dr. Ritika SPOC NPTEL DITU Local Chapter welcome all the dignitaries and guests. Dr. Bhupendra Gandhi National head NPTEL IIT Roorkee spoke on the role of Local Chapters in the development of the Online Courses and how such courses would eventually benefit the students. Dr Angana Technical committee member NPTEL IIT Kanpur spoke on who can be exposed to lectures and courses being delivered by the IIT faculty and created maximum awareness about the mission of MHRD, Govt of India among the faculty members and students



“NPTEL Awareness Workshop: Role of Local Chapter” in association with NPTEL IIT Kanpur and NPTEL IIT Roorkee

1.6 Events

1.6.1 SPHURTI 2016

To promote the students who have a special proclivity in sports, the University organized its 3rd Inter College Annual Sports Meet “Sphurtti” from the 8 - 10 March, 2017. The students were given the opportunities and resources to compete in games like badminton, basketball, table tennis, volleyball, football and cricket. The Chief Guests were ShriPushpak Jyoti, IPS (DIG Garhwal Range) and First Female Twins who climbed Mt. Everest; Ms. Tashi and Nungshi Malik. The event was a 3-day extravaganza, an agglomerate of students of 40 different institutes /universities across India to compete in various events such as Cricket, Badminton. Basketball, Table Tennis, Football and Volley ball. The overall championship Trophy was awarded to DIT University, Dehradun.



Ingruration by Chief Guest ShriPushpak Jyoti, IPS (DIG Garhwal Range)



Sphurti 2017

1.6.2 YOUTHOPIA 2016

Youthopia 2016, an annual technical and cultural fest organized by DIT University, Dehradun. Additional Chief Secretary S Ramaswamy inaugurated “Youthopia-2016” on October 20, 2016. The inauguration was graced by the presence of Chairman, Mr. Anuj Aggarwal, Vice-Chancellor, Prof KK Raina, Pro-Vice Chancellor, Prof S Swaminathan, Director Academics and Administration, Prof Shishir Kumar, and other dignitaries. The famous troupe sensation “Band of Boys” performed on October 20, 2016 ChintuBhosle on the night of October 21, 2016 and the major attraction of the whole carnival was the performance of Javed Ali on the night of October 22, 2016. Various creative and technical event were organized during the festival.



Inauguration graced by the presence of Chairman, Mr. Anuj Aggarwal, Vice-Chancellor, Prof KK Raina and Chief Secretary, S Ramaswamy



Youthopia 2016

1.6.3 INDUSTRIAL TOUR

With an aim to go beyond academics, different field trips and excursions are planned at DIT University for students to experience the industrial environment. These activities supplement the classroom learning and encourage new interest among students. Under this module as an integral part, an industrial tour for one week is organized for the 2nd year students. Details of tours conducted in 2017 are as under:

S.NO	BRANCH	PLACE	NAME OF INDUSTRY
1	CS	Bangalore, Mysore	Wipro , Infosys
2	IT	Bangalore, Mysore	Wipro , Infosys
3	CIVIL	Agra, Jaipur, Delhi	ATS Construction PVT Ltd, Anil Special Steel Industries Ltd
4	ECE	Manali	Secure Meters
5	EE	Manali	Secure Meters
6	PE	Jaipur, Jaiselmer, Bikaner	Mineral Exploration Corporation Ltd
7	ME	Agra, Jaipur, Delhi	Amber Group Noida
8	PHARM	Bangalore	Micro Labs Ltd,Anglo-French Drugs & Industries Ltd
9	MBA	Jaipur, Udaipur	Anil Steel Industries
10	MCA	Chandigarh	Infosys

1.6.4Engineers Day Celebration

DIT University celebrated "49th Engineers Day" on 15 September, 2016, Thursday at the Visveshwaraya block. Chief Guest Er. Narendra Singh FIE, Council Member, the Institution of Engineers (India), Er. J.P Tomar and Er. R.P Jamloki shared their experiences in stating the laurels achieved by Great Engineers of India and their contributions made to our society.

1.6.5Deshprem and RajbhashaMahotsava

“Deshprem Mahotsava” (23 January-23 March’17) which includes 12 events and “Rajbhasha Mahotsava” (1-14 September, 2016) includes 8 events were organized by ‘Clikrrati Literati’, the literary club under the guidance of Dr. Sakshi Semwal, Faculty Advisor. The Events provide a platform to the budding professionalsto exhibit the creative talents, huge participation of students was witnessed.



Deshprem Mahotsav: Literary Club

1.6.6 Anokhee organised in Association with Star Plus and Hindustan

Anokhee was organized by DIT University in association with Star Plus and Hindustan Hindi on 22 January, 2017. The event was organized in order to recognize the talent of female students of the University and empower the females of the society to bring gender equality.



Event Anokhee in association with Star plus and Hindustan

1.6.7 Annual Prize Distribution 2016

Annual academic prize distribution was held at DIT University on 8 October, 2016. The students who excelled in their academics were given the certificate of excellence and were also provided with a scholarship. The staff members and faculty members were also awarded for their hard work and skills



Annual Prize Distribution 2016

1.6.8 Memorial Day

DIT University celebrated Memorial Day on 23 February, 2017 to pay our sincerest tribute to Shri Naveen Agarwal Ji, the founding Chairman of The Unison Group. He was a visionary and aspired to enable DIT University to provide quality education to the youth of our country so as to make them responsible citizens. The programme began by garlanding the photograph of the Founding Chairman

in the Vedanta auditorium. Honorable Vice Chancellor Prof. K.K Raina, Pro Vice Chancellor, PrfS.Swaminathan, Director Academic Administration Prof Shishir Kumar.



Memorial Day

1.6.9 Republic Day Celebration

We all stood together to celebrate the 68 Republic Day of India on 26 January, 2017. The day started with a speech by Director of Academic Administration- Dr. Shishir Kumar which was followed by the enlightening words of Honorable Vice Chancellor Dr.KKRaina. The flag was hoisted and the national anthem was played which filled us with the proud feeling of being Indian. The speeches were followed by performances and distribution of sweets.

1.6.10 Independence Day Celebration

Independence was celebrated with great enthusiasm and respect at DIT University, Dehradun on 15 August 2016. The National flag of India was hoisted by the Pro Vice Chancellor Dr. S. Swaminathan at 8:30am in the college campus. Thereafter, a brief cultural program with a song by the students was presented, reminded us about the immense significance of the day. Director Academics Prof.Shishir Kumar addressed the gathering and the program ended with a renewed feeling of commitment to the country and was greatly enjoyed by one and all.

1.6.11 Freshers' Party

The evening marked the induction and integration of new entrants into the DITUniversity family. The event created many memories for the first year students and their seniors alike, with an array of cultural programs organized by the various branches. The second year students synergized their efforts to put up a plethora of scintillating performances.A very enthusiastic participation from the First Year students of all branches who participated with full zeal and great enthusiasm to be crowned the Mr. and Ms. Fresher '16 was also witnessed.

1.6.12 Teachers' Day Celebration

Teacher's day was celebrated at DIT University on 5 September, 2016 with great enthusiasm. This day is also celebrated to honor Dr. Sarvepalli Radhakrishnan, the great teacher, academic philosopher and India's Second President. It came out as a pleasant surprise for the m the faculty member when the students organized various events for them as a token of affection, respect and gratitude.



Teachers' Day Celebration

1.6.13 Diwali Celebration

Diwali at DIT University was celebrated on 30 October, 2016 with great joy and splendour. The campus was beautifully decorated with lights and Rangoli. The day began with a customary puja which was attended by the entire staff and students present in the campus. The ritual was followed by distribution of sweets, gifts and lighting of crackers.

1.6.14 Lohri Celebration

DIT University celebrated Lohri on 13 Jan 2017 at the campus with joy. The Vice Chancellor, Pro Vice Chancellor and Academic Administration graced the occasion. The ceremony was attended by all the HODs, faculty and staff members along with the students. The ceremony came to an end with the distribution of sweets.

1.6.15 Basant Panchami Celebration

Basant Panchami was celebrated on 1 Feb, 2017 at the portico of Chankya building. The program started by garlanding the photograph of Goddess Saraswati and lighting of lamp by the Vice Chancellor Dr. K.K. Raina and Pro Vice Chancellor Dr. S. Swaminathan. All faculty and staff members were invited for the same.

1.6.16 DITU Alumni Meet 2016

The DIT University Alumni Meet was held on December 24, 2016. The Alumni Association of DIT University invited all the alumni to their Alma mater where they shared nostalgic memories of the time spent in the University. This was followed cultural programmes organized by DITU students. The highlights of the Alumni Meet were the College Annual Magazine 'Pratibimb' Release

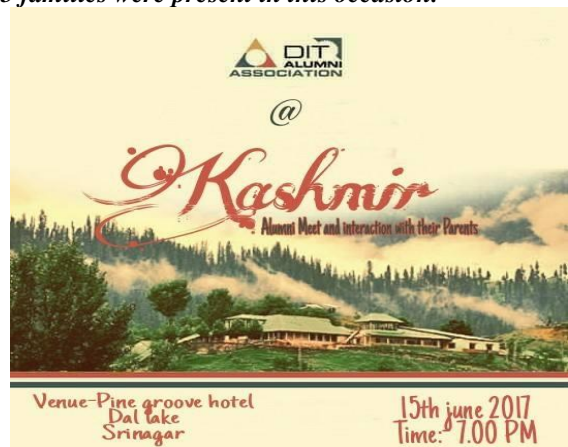
by the Editorial Board and book launch of Thank You Love, authored by Ayush Gupta- an alumnus of DITU, followed by Christmas celebration and gift distribution by Santa Claus. Besides, Alumni meet has been organized at different venues within and outside the country throughout the year.



Alumni meet on 03.06.2017 at PAN Club, Pune. About 35 families were present in this occasion.



DIT university organizes Delhi-NCR Alumni meet at Embassy of Russian federation, New Delhi on 07th May, 2017 from 03-10pm. Approximately 80 alumni were present with family in this grand mega occasion.



1.6.17 SPIC MACAY DIT CHAPTER organized GOTIPUA and CHHAU DANCE

Spic Macay DIT University Chapter organized 'Gotipua' on 29 August, 2016. It is a dance form of an ancient temple dance from Orissa and it was quite spectacular to see dancers make acrobatic poses, formations and yogic postures. 'Chhau Dance' by Sri Tarapad Rajak and troupe was organized on 21 Oct 2016 at Youthopia.



Gotipua, a dance form



Chhau Dance: Spicmacay DIT Chapter

1.7 Students achievements

The students of DIT University shine in every field be it sports, academics or extracurricular activities. The student achievements from June 2016 to July 2017:

- Nitin Pathak and Manthan Jamdagni from BTech CSE got placed with Amazon.com at an all time highest package of Rs. 25 lakh pa.



Nitin Pathak



Manthan Jamdagni

- Raghav Garg from BTech ME got placed with Honda Cars India Ltd.
- Shalini Kumari from BTech ECE got placed with Hitachi Systems
- Swapnil Kumar from BTech ME got placed with Decathlon Sports India.
- Sanjay Singh Pundir, Amritanshu Khali, Shushil Kumar Tiwari, Saksham Goel, Ashu Kumar, Vinod Bhandari and Lavesh Kaushik from BTech ME got placed with SKH Metals Limited.
- Akaksha Juneja, Devanshika Ghosh, Dakshvir Singh Rehill from BTech CSE with Cloud Computing, Avi Kaushik, and Aayushi Pundir from BTech CSE and Ajay Mann from BTech IT got placed with Click Labs Pvt. Ltd.
- Aman Ashish from BTech, Electrical Engineering got placed with Rhydburg Pharmaceuticals.
- Isha Raj from BTech, ECE got placed with Exicom Tele Systems Limited.
- Tushar Singhal, Jyoti Chauhan from BPharm got placed with Omics International.
- Namita Arora BTech, CSE and Apoorvi Maheshwari BTech, ECE got placed with Phronesis Partners.
- Kanit Krishna Puri from BTech PE got placed with Effectual Services.
- Sumeet Rawat BTech, ECE and Harsha Anand BTech, ME got placed with Knowledge Podium Systems Ltd.
- Vishnu Pathak from BTech ME got placed with Anchor Electricals Pvt Ltd.
- Divyanshu Mishra from Civil Engineering got placed with Zydex Industries.
- Divya Chauhan from Electrical Engineering got placed with Anchor Electricals Pvt Ltd.
- Gaurav Chauhan and Mradul Gupta from Electrical Engineering got placed at Ion Exchange as Management Trainee.
- Shashank Priyadarshi (BTech PE, IIIrd year) won a gold medal in State Power Lifting Championship



Shashank Priyadarshi (BTech PE, IIIrd year) won a gold medal in State Power Lifting Championship

- Sanjay Kumar (Btech, ME) and Deepak (BTech CSE) awarded scholarships from Titan Company Ltd.
- Pragya Aggarwal, BTech CSE 4th Year, won GOLD MEDAL in JUNIOR CATEGORY at the Uttarakhand Power Lifting Championship held on the 8th and 9th July, 2017.

- Pulkit Chaudhary, B.Tech, Final Year student, Petroleum Engineering has presented a research paper entitled “Development of Novel Oil-In-Water Emulsion Drilling Fluid System Using Palm Oil” at Wietze, Germany in November, 2017.
- DIT University congratulates Aditya Bisht (AEI) – 4 th Yr (2012-2016) for successfully making it through “Illinois Institute of Technology, Chicago, USA”

2. Departmental Activities

2.1 Faculty of Engineering and Management

2.1.1 Department of Electrical and Electronics & Communication Engineering

1. Department Goals

- To establish the center of Excellence in the area of Power Electronic & Drives & Renewable Energy Resources.
- To start full time PhD Programs.

2. Conferences / Seminars/ Workshops organized

Sr. No.	Title/name of the conference/ seminar organized	Convener/Coordinator	Dates
1	National Symposium on Materials for Advanced Technologies	Dr. Santosh Kumar	Feb. 20-21, 2017
2	Earth day celebration (VASUDHA-17)	Dr. Santosh Kumar	April 22, 2017
3	Short-term course on “New Trends in Power System Protection and Control Techniques	Mr. Mohit Bajaj	June 26-30, 2017
4	workshop on “EM simulation for Antenna”	Brajlata Chauhan	Sept. 10, 2016
5	AWS-17	Brajlata Chauhan, ArjunaMuduli	April 8-9, 2017

3. Guest Lectures organized

Sr. No.	Name of the expert	Title of the lecture	Date
1	Prof. Gopal Hegde, IISc Bangalore	Introduction to Nano-Photonics	Sept. 29, 2016
2	Prof. Raman Kashyap, Polytechnique Montreal, Canada	Application of Photonic Crystal Fiber in medicine, communications and computer storage	Nov. 29, 2016

4. Publication by faculty members in reputed SCI/SCIE journals

Sr. No .	Name of the Author	Title of Paper	Name of the Journal	Volume	Page nos.	Month and Year of publication	Impact Factor (if any)
1	Santosh Kumar, Lokendra Singh, Nan-Kuang Chen	All-optical bit magnitude comparator device using metal-insulator-metal plasmonic waveguide	Optical Engineering (SPIE)	56(12)	121908	May 2017	1.082
2	Amrindra Pal, Santosh Kumar, Sandeep Sharma	Design of optical decoder circuits using electro-optic effect inside Mach Zehnder Interferometers for high speed communication	Photonics Network Communication (Springer)	33	1-11	June 2017	1.210
3	Kuldeep Choudhary, Santosh Kumar	Design of Pseudo-random binary sequence generator using lithium-niobate based Mach-Zehnder interferometer	Optical Engineering (SPIE)	56(5)	057104	May 2017	1.082
4	Chanderkanta, Ashish Ranjan, Santosh Kumar	Design of transmission gate using electro-optic effect of lithium niobate based Mach-Zehnder interferometers	Photonic Network communications (Springer)	33	1-9	March 2017	1.210
5	Lokendra Singh, Amna Bedi, Santosh Kumar	Modeling of odd and even parity generator using metal - insulator-metal plasmonic	Photonics Sensors (Springer)	7(2)	1-11	Jan. 2017	-

		waveguide					
6	Amrindra Pal, Santosh Kumar, Sandeep Sharma	Design of optical seven segment decoder using Pockel's effect inside lithium niobate based waveguide	Optical Engineering (SPIE)	56(1)	017103	Jan. 2017	1.082
7	Amrindra Pal, Santosh Kumar, Sandeep Sharma	Optical 1's and 2's complement device using lithium-niobate based waveguide	Optical Engineering (SPIE)	55(12)	125104	Dec 2016	1.082
8	Santosh Kumar, Chanderkanta Chauhan, Amna Bedi	Design of reversible sequential circuits using electro-optic effect of lithium-niobate based Mach-Zehnder interferometers	Optical Engineering (SPIE)	55(12)	125105	Dec. 2016	1.082
9	Santosh Kumar, Chanderkanta Chauhan	Design of reversible multiplexer using electro-optic effect inside lithium niobate-based Mach-Zehnder interferometers	Optical Engineering (SPIE)	55(11)	115101	Nov. 2016	1.082
10	Santosh Kumar, Lokendra Singh, and S. K. Raghuwanshi	Design of plasmonics half adder and subtractor circuits employing nonlinear effect in Mach-Zehnder interferometer	Journal of Computational Electronics (Springer)	16(1)	139-147	Nov. 2016	1.526
11	Santosh Kumar, Lokendra	Design of full-adder and full-subtractor using	Plasmonics (Springer)	11	1-7	August 2016	2.146

	Singh, S. K. Raghuwanshi, Nan-Kuang Chen	metal-insulator-metal plasmonic waveguides					
12	Santosh Kumar, Chanderkanta, S. K. Raghuwanshi	Design of optical reversible logic gates using electro-optic effect of lithium niobate based Mach-Zehnder interferometers	Applied Optics (OSA)	55(21)	5693-5701	July 2016	1.598
13	Santosh Kumar	Design of an optical 4-bit binary to BCD converter using electro-optic effect of lithium niobate based Mach-Zehnder interferometers	Optics Communication (Elsevier)	395	221-230	July 2016	1.450
14	Chanderkanta, Neha Singh, Santosh Kumar	Design of programmable logic device based on electro-optic effect of lithium niobate based on Mach-Zehnder interferometers	Photonic Network communications (Springer)	33(3)	1-15	July 2016	1.210

5. Conferences/Seminars/Workshops attended by the faculty members

Sr. No.	Name of the Faculty	Title /Name of the Conference/seminar/workshops attended	Place	Date
1	Mr. Nafees Ahmed	National Conference at ITG	Gopeshwar	Oct. 24-25, 2016.

2	Brajlata Chauhan, Sandip Vijay and S C Gupta	IEEE-International Conference on Computing, Communication and Automation (ICCCA2017)	Galgotias University	May 6-7, 2017
3	Brajlata Chauhan	Workshop on Remote Sensing and space Technology	IIRS-ISRO Dehradun	March 5-10, 2017
4	Brajlata Chauhan	Workshop on Role of Local Chapter NPTEL	DIT University	Feb. 2017
5	Brajlata Chauhan	Conference META-17	DIT University	March 20, 2017.
6	Dr. Santosh Kumar	IEEE CRALT 2016	IISc Bangalore	Sept. 21-23, 2016
7	Dr. Santosh Kumar	Photonics 2016	IIT Kanpur	Dec. 4-8, 2016
8	Mr. Nafees Ahmed	International Conference on Power and Embedded Drive Control (ICPEDC 2017)	SSN College of Engineering, Chennai	March 16 - 18, 2017
9	Arjuna Muduli	A Dual-fed Planar Monopole Antenna for Cognitive Radio Applications” IEEE APSYM-2016 conference	Cochin university of science and technology, Kerala	15-17 Dec 2016

6. PhD guidance by the faculty members

Sr. No.	Name of Faculty	No. of students enrolled in DITU	No. of students enrolled in other Universities
1	Dr. Santosh Kumar	4	NIL

7. Detail of PhD Candidates (full time/part time)

Sr. No.	Name of Candidate	Name of Supervisor	Proposed Research topic	Year of Enrollment	Full time/Part time	Status
1	Mrs. Chanderkanta	Dr. Santosh Kumar	Design and analysis of combinational and sequential circuits for high speed communications	2015	Full time	2 RDC

2	Mr. Lokendra Singh	Dr. Santosh Kumar	Design of all-optical switching devices using plasmonic metal-insulator-metal (MIM) waveguide	2015	Full time	2 RDC
3	Mr. Amrindra Pal	Dr. Sandeep Sharma and Dr. Santosh Kumar	Design and modelling of Opto-electronics devices for WDM applications	2014	Part time	Thesis writing
4	Mr. Sandip Swarnakar	Dr. Sandeep Sharma and Dr. Santosh Kumar	Design and modelling of Integrated Photonics device(s) and Sensor(s) using Photonic Crystal fiber	2014	Part time	Thesis writing

8. Awards received by the faculty members

Sr. No.	Name of Faculty	Award	Awarding agency/Societies
1	Dr. Santosh Kumar	Research Excellence Award	DIT University

9. Conferences session(s) chaired by the faculty members

Sr. No.	Name of Faculty	Name of Conference and session chaired	Place	Date
1	Dr. Santosh Kumar	IEEE CRALT 2016	IISc Bangalore	21-23 Sept. 2016

10. Memberships/Associations of the faculty members in Professional Societies

Sr. No.	Name of Faculty	Name of Societies	Membership type
1	Dr. Santosh Kumar	Optical Society of India	Life member
2	Dr. Santosh Kumar	IEEE, IEEE Photonics	Graduate member

		Society	
3	Dr. Santosh Kumar	Society of Photo-Optical Instrumentation Engineers (SPIE)	Regular Member
4	Dr. Santosh Kumar	Optical Society of America (OSA)	Graduate member
5	Brajlata Chauhan	IETE	Life Member
6	Brajlata Chauhan	IEEE Microwave Society	Member
7	Dr. Gagan Singh	ISTE	Life Member

11. Faculty members who have been delivered Guest Lectures

Sr. No.	Name of Faculty	Title of the Lecture	Place	Date
1	Santosh Kumar	Reversible full-adder using lithium-niobate based Peres gate	IIT Kanpur India	4–8 December 2016

12. Faculty members who have presented research papers at International Conferences/Seminars

Sr. No.	Name of Faculty	Title of the Paper	Name of the Conference/Seminar	Place	Date
1	Nan-Kuang Chen, Shih-Hsin Lo, Chialungtsai, Santosh Kumar, Wood-Hi Cheng, Raman Kashyap	Towards picoliter microsensing in index and temperature using hundreds-micron-scale fiber Michelson interferometers	Conference on Lasers and Electro-Optics (CLEO 2017)	San Jose, California United States	14–19 May 2017
2	Chanderkanta, AmnaBedi, Santosh Kumar	Ultrafast optical reversible double Feynman logic gate using electro-optic effect in lithium niobate based Mach Zehnder Interferometers	SPIE Photonics West - 2017	San Francisco, California, USA	28 Jan. - 2 Feb. 2017

3	Chanderkanta, AmnaBedi, Santosh Kumar	Optical J-K flip-flop using switching property of Mach-Zehnder Interferometers	SPIE Photonics West - 2017	San Francisco, California, US A	28 Jan. - 2 Feb. 2017
4	KuldeepChoudhary, Santosh Kumar	Implementation of 3-bit binary to excess-3 code converter using Mach-Zehnder interferometer	SPIE Photonics West - 2017	San Francisco, California, US A	28 Jan. - 2 Feb. 2017
5	SandipSwarnakar, Santosh Kumar, Sandeep Sharma and Lokendra Singh	Design of XOR/AND gate using 2D photonic crystal principle	SPIE Photonics West - 2017	San Francisco, California, US A	28 Jan. - 2 Feb. 2017
6	Lokendra Singh, AmnaBedi, Santosh Kumar	Design of signal router employing optical switching in MIM plasmonic waveguides	SPIE Photonics West - 2017	San Francisco, California, US A	28 Jan. - 2 Feb. 2017
7	Lokendra Singh, AmnaBedi, Santosh Kumar	Modelling of all-optical 3×8 line decoder using optical Kerr effect in plasmonic metal-insulator-metal waveguides	SPIE Photonics West - 2017	San Francisco, California, US A	28 Jan. - 2 Feb. 2017
8	Santosh Kumar	Reversible full-adder using lithium-niobatebased Peres gate	International Conference on FibreOptics and Photonics 2016	IIT Kanpur India	4–8 December 2016
9	Chanderkanta, Santosh Kumar, AngelaAmphawan	Design of BCD to Excess 3 code converter using electro-optic effect of Mach-Zehnder Interferometers	Frontiers in Optics/Laser sources (FiO/LS-2016)	Rochester, New York, United States	17–21 October 2016

		for efficient data transmission			
10	Chanderkanta, Santosh Kumar, Angela Amphawan	Optical reversible gate based on Electro-optic effect in lithium niobate based Mach-Zehnder Interferometers	Frontiers in Optics/Laser sources (FiO/LS-2016)	Rochester, New York, United States	17-21 October 2016
11	Brajlata Chauhan, Sandip Vijay and S C Gupta	A Compact Meandered Line Microstrip Antenna and Observe Effect of Inverted U Shape in Ground Plane For Triple Band	IEEE-International Conference on Computing, Communication and Automation (ICCCA2017)	Galgotias University	May 6-7, 2017

13. Faculty members who have presented research papers at National Conferences/Seminars

Sr. No.	Name of Faculty	Title of the Paper	Name of the Conference/Seminar	Place	Date
1	Yash Kumar, Brajlata Chauhan, Sandeep Sharma, Sandip Vijay	Dual Frequency Operation in Slotted Patch-A Survey	IRD India	Nagpur	Oct. 20-21, 2016
2	Brajlata Chauhan	Comparison of Two Slow Wave Structure Antennas	IRD India	Nagpur	Oct. 20-21, 2016

14. Industrial tours / visits

Sr. No.	Faculty Coordinator name	Place	No. of Students	Date
1	Dr. Gagan Singh	Kullu & Manali, Himachal Pradesh	42	10-16, January 2017
2	Dr. Sandeep Sharma	Kullu & Manali, Himachal Pradesh	110	10-16, January 2017

15. Best 10 B.Tech Projects

Sr. No.	Name of Student	Guide	Title of Project
1	Abhitendu Mishra, Akash Joshi, Amandeep Bhandari, ArunSilori	Mr. Mohamed Samir	CNC Based Writing Skills Through Speech Recognition
2	Jyotsna, MrinalKashyap NehaKumari, Priya Arora	Mr. Bhanu Prakash Saripalli	Solar Dryer System for Remote Areas
3	Nikhil Bahuguna, Prakhar Srivastava, NavinPanwar	Mr. Bhanu Prakash Saripalli	Controlling of Hybrid Energy System Using IOT
4	Aman Sharma, Deepak Kumar Sharma, Asheesh Bhardwaj Deepak Kumar, Abhinav Anand	Mr. Bhanu Prakash Saripalli	Smart LED Street Lighting System Using Solar Tracking
5	AbhilekhThapa, AbhishekRawat, Abhishek Belwal Abhishek Prakash Bhatt	Mr. Bhanu Prakash Saripalli	Solar Mobile Charger
6	Anil Rana	Mr. Mohamed Samir	Electric Kart

16. M.Tech Projects

Sr. No.	Name of Student	Guide/Co-guide	Title of Project
1	ArchanaNegi	Brajlata Chauhan	Bandwidth enhancement using E and U shaped cylindrical Conformal Microstrip Antenna.2016
2	Prashansha	Brajlata Chauhan	Four elements M S array for cylindrical application for X band. 2016
3	Ms. Vaishali Kothari	Dr. Santosh Kumar	Design and analysis of Fiber Bragg Grating based devices.
4	Ms. Sapna Rathi	Dr. Santosh Kumar and Mr. Sandip Swarnakar	Design of digital switches using photonic crystals.

17. Details of visits to Foreign Countries

Sr. No.	Name of Faculty/ Student	Conference name	Funding Agency	Dates	Venue
01.	Mr. Lokendra Singh (PhD Student)	SPIE Photonics West - 2017	SPIE, USA	28 Jan. - 2 Feb. 2017	San Francisco, California, USA

02.	Mrs. Chanderkanta (PhD Student)	Frontiers in Optics/Laser sources (FiO/LS-2016)	OSA, USA	17–21 October 2016	Rochester, New York, United States
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18. Student achievements

SPIE and OSA Student chapters (Dr. Santosh Kumar)

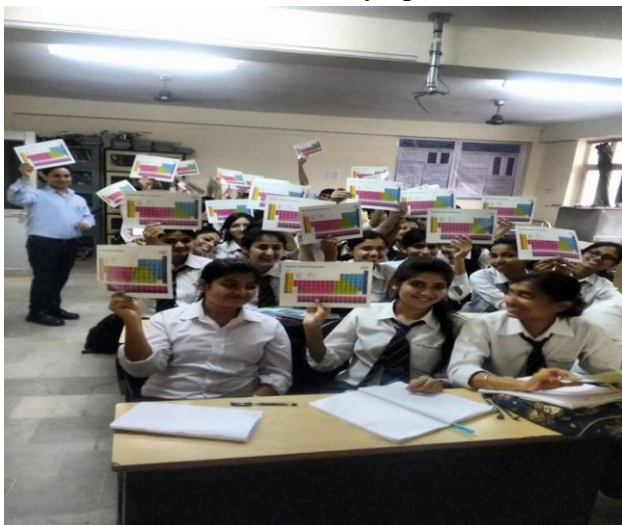
The OSA (Optical Society of America) Student Chapter and SPIE (Society of Photo-Optical Instrumentation Engineers) Student Chapter, the biggest international societies for Optics and Photonics were constituted on 2 Feb. 2015 and 27 Oct. 2014 respectively. Dr. Santosh Kumar is faculty advisor of both chapters. Major Chapter events are:

1. Induction and Recruitment Event on July 5, 2016

- Recruitment of SPIE members in DIT University during new academic year 2016.
- A one week special membership recruitment drive is conducted in the first week of July to enhance the curiosity and interest of the students towards optics & photonics.
- Students are facilitated by demonstration of optical outreach kits and other optical kits.
- Our chapter “*SPIE Student Chapter DITU*” became the India's biggest SPIE Student Chapter during Yr. 2015-16.

2. Optics demonstration at DIT University, Dehradun on 28th July, 2016

- Demonstration of magic of optics among students of Electronics and Communication Engineering.
- Students are facilitated by optical outreach kits and other optical kits.





Optics demonstration by faculty advisor of SPIE and OSA for students of ECE department

3. Invited talk on September 29, 2016

- SPIE and OSA Student Chapter organize a talk on “Introduction to Nano-photonics” by Prof. Gopal Hegde, IISc Bangalore.



Prof. GopalHegde welcomed by Pro-Vice Chancellor



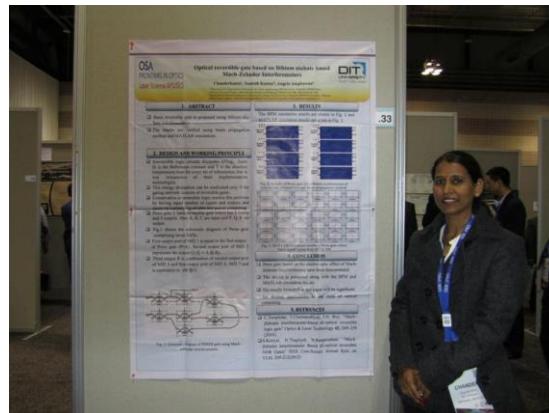
Faculty members and research scholars of ECE dept. with Prof. GopalHegde, IISc Bangalore

4. President of OSA chapter visit Rochester, New York, USA on 15 October 2016

- President of OSA Chapter Mrs. Chanderkanta Chauhan visits Rochester, New York, USA to attend international conference FiO/LS 2016.
- Travel grant is provided by OSA Student chapter.



OSA President representing DIT University chapter



Mrs. Chanderkanta presenting her research work during conference

5. Technical Poster Presentation on Photonics on October 20, 2016:

- Our SPIE Chapter has organized "Technical Poster Presentation on Photonics" on the occasion of techno-cultural fest - Youthopia of DIT University on 20th Oct., 2016
- The event was coordinated by our Faculty Advisor and SPIE President Mr. Anuj Sharma.
- First and second prize of Rs. 1000 and Rs. 500 with certificates were given to the participants.



Participants with invited guest during paper presentation competition.

6. Guest Lecture on “Optical fiber based real time catheter imaging and tracking for bio-medical applications” on 29 Nov. 2016

- SPIE and OSA Student Chapters organized a Talk on “Optical fiber based real time catheter imaging and tracking for bio-medical applications” by Prof. Raman Kashyap, Montreal Polytechnique, Canada.
- The talk is very much innovative and helpful in the field of optics.



Welcome of Prof. Raman Kashyap by Hon'ble Vice Chancellor Prof. K. K. Raina



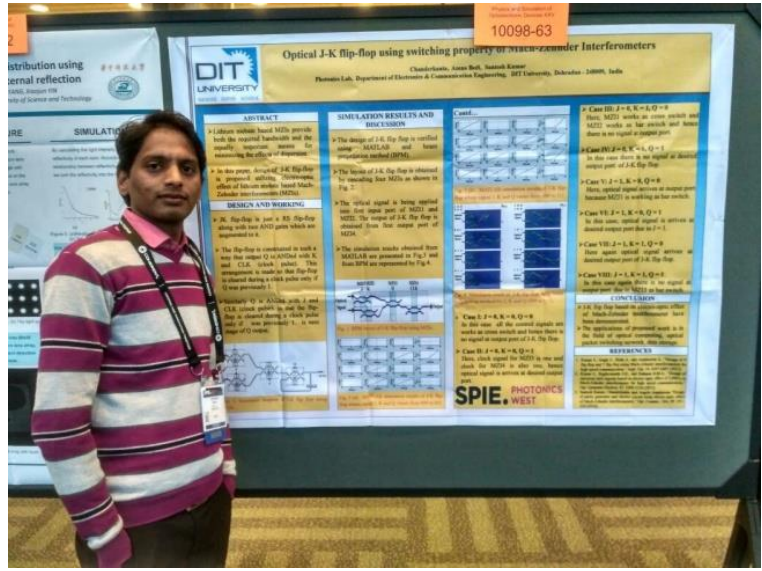
Discussion with Prof. Raman Kashyap during talk



Faculty and Research Scholars of ECE dept. with guest

7. President of SPIE student chapter visit San-Francisco, California, USA on 26 January 2017.

- President of DIT University SPIE Chapter Mr. Lokendra Singh visits San Francisco, California, USA to attend international conference SPIE Photonic West 2017.
- Travel grant is provided by SPIE Student chapter.



Mr. Lokendra Singh presenting his research works during conference

8. A quiz competition “Quizzex-17” is organized by SPIE and OSA student chapter for undergraduate students on 11th Feb. 2017.

- Quizzex-17 is organized to enhance the knowledge of DITU students.
- There was prize for first three best groups to motivate the students.
- More than 15 groups were participated in the program.



Participants during visual round



Participants and organizing team

9. An outreach event organized by SPIE and OSA student chapter at KV-IIP, Mohkampur, Dehradun on 18 Feb. 2017.

- This outreach event was organized to demonstrate the basic experiments of optics and to aware the students about optics.
- The event is for the junior standard students.



Mr. Lokendra Singh explaining the basic concept and uses of optics in daily life



Organizing team interacting with students to explain the basics of experiments

10. SPIE/OSA Chapter organizes national symposium on Materials for Advanced Technologies (MAT-2017) during February 20-21, 2017

- The national symposium was organized with the collaboration of Physics and Chemistry department.
- The symposium was on recent advancement in material science.
- The following eminent Professors and Scientist were given a talk: Dr. S SNegi, Ex-Director, IRDE, Dr. Chandra Prakash, SSPL, Delhi, Dr. RajendraDobhal, UCOST, Prof. K.K. Bamzai, Jammu University, Jammu, Prof. K.L. Yadav, IIT Roorkee, Prof. Ramesh Chandra, IIT Roorkee
- The best three prizes were given to candidates who have attained first three positions in presenting their research work.



Inauguration ceremony of MAT-2017



Group photograph of Participants and organizing committee of MAT-2017

Activities of IETE Club

Event -1 workshop on “EM simulation for ANTENNA” on 10 Sept.2016

A workshop on “EM simulation for ANTENNA” was organized by-IETE student forum in which students were briefed about Five module based on antenna designing on EM cube simulator. This one day work shop held in September 16 and delivered by Mr. Gaurav Verma VTS System New Delhi.



Talk of Mr. Gaurav Verma VTS System New Delhi

Event-2 Workshop on Antenna AWS-17 on April 08-09, 2017

- Space Technology and Its Applications Delivered by Dr. P Swraoop Sc,t –E IIRS Dehradun
- Advanced Antenna Its Applications Delivered by Dr. M. Singh Sc,t-G DEAL-DRDO Dehradun
- Antenna for Cognitive Radio Applications Delivered by Dr. S. Koley AP DITU Dehradun
- R F antenna & loop antenna Delivered by Mrs. Brajlata Chauhan AP DITU Dehradun
- Log periodic Antenna Delivered by Mr. Arjuna Muduli DITU Dehradun



RF & Microstrip Antenna modeling using CST by Mr. Hardik, Ahamdabad

Event -3 QUIZO-17

65 students were registered from ECE 3rd year for this Technical quiz competition. Top three students get prize from IETE SF DITU and two students get consolation prize.

2.1.2 Department of Mechanical Engineering

1. Department Goals

The Department of Mechanical Engineering endeavors to be recognized globally for outstanding education and research leading to well qualified engineers, who are innovative and successful in advanced fields of mechanical engineering to cater the ever changing industrial demands and social needs. The department produces engineers, who prove to be prolific to the industries to attain new heights.

2. Guest Lectures Organized

Sr. No.	Name of the expert	Title of the lecture	Date
1	Dr Raghubir Singh Anand(IIT Kanpur)	Present statusofphotovoltaic technology andits scopeapplication	26 Aug. 2016
2	Prof. Dr. BPPundir (IITKanpur)	Current advances inic enginetechnology	12 Sept 2016
3	Dr. KamleshSingh	Automationand robotics	13 Oct 2016
5	Dr. GauravMittal AssociateProfessor,MED University of Akron ,USA	Experimentalfacilities for studyingchemical kinetics of fuelsat elevatedpressures	10 Jan. 2017

3. Publication by faculty members in reputed SCI/SCIE Journals

Sr. No.	Name of the Author	Title of Paper	Name of the Journal	Volume	Page nos.	Month and Year of publication	Impact Factor (if any)
1	JS Sawhney, R Maithani, S Chamoli	Experimental investigation of heat transfer and friction factor characteristics	Applied Thermal Engineering	117	740-751	Feb. 2017	3.35

		of solar air heater using wavy delta winglets JS Sawhney, R Maithani, S Chamoli					
2	ARS Suri, A Kumar, R Maithani	Heat transfer enhancement of heat exchanger tube with multiple square perforated twisted tape inserts: Experimental investigation and correlation development	Chemical Engineering and Processing: Process Intensification	116	76-96	Feb. 2017	2.23
3	A Kumar, R Maithani, ARS Suri	Numerical and experimental investigation of enhancement of heat transfer in dimpled rib heat exchanger tube	Heat and Mass Transfer		1-16	June 2017	1.23

4. Conferences/Seminars/Workshops attended by the faculty members

Sr. No.	Name of the Faculty	Title /Name of the Conference/seminar/workshops attended	Place	Date
1	Dr. Anil K. Patil	5 th International Symposium on Heat Transfer and Energy Conservation	Guangzhou, China	Nov. 11-13, 2016

5. PhD guidance by the faculty members

Sr. No.	Name of Faculty	No. of students enrolled in DITU	No. of students enrolled in other Universities
1	Dr. Y. K. Tyagi	7	-
2	Dr. Manoj Kumar	3	3
3	Dr. Anil K. Patil	1	3

6. Detail of PhD Candidates (full time/part time)

Sr. No.	Name of Candidate	Name of Supervisor	Proposed Research topic	Year of Enrollment	Full time/Part time	Status
1.	Mr. Nitin Gupta	Dr. Manoj Kumar	Composite	Dec. 2015	Part time	Pursuing
2.	Mr. Ashish Kumar	Dr. Y. K. Tyagi	Composite	Dec. 2015	Part time	Pursuing
3.	Mr. Gaurav P. Srivastava	Dr. Manoj Kumar	Heat Transfer Enhancement Techniques	July 2016	Part time	Pursuing

7. Awards received by the faculty members

Sr. No.	Name of Faculty	Award	Awarding agency/Societies
1.	Dr. Sunil Chamoli	Best researcher award	DIT University

8. Faculty members who have presented research papers at International Conferences/Seminars

Sr. No.	Name of Faculty	Title of the Paper	Name of the Conference/Seminar	Place	Date
1	Jitesh Rana, Anshuman Silori, Rajesh Maithani	A CFD analysis of wavy delta winglets as vortex generators in a solar air heater duct	International conference on Advance trends in engineering, technology and research	Bal Krishna Institute of Technology, Kota (Rajasthan)	June 30-July 1, 2016

2	Anshuman Silori, Rajesh Maithani, Jitesh Rana,	Thermal performance prediction of artificially roughened duct using CFD analysis	International conference on Advance trends in engineering, technology and research	Bal Krishna Institute of Technology, Kota (Rajasthan)	June30-July 1, 2016
3	Jitesh Rana, Anshuman Silori, Rajesh Maithani, Sunil Chamoli	A CFD thermal performance analysis of solar air heater with turbulent promoters	International conference on innovative research in MECIT-2016	JNU New Delhi	Oct. 22, 2016
4	Dr. Anil K. Patil	Experimental investigation of heat transfer and friction in a tube with perforated and slotted conical ring inserts	5th International Symposium on Heat Transfer and Energy Conservation	Guangzhou, China	Nov. 11-13, 2016
5	Rajesh Maithani	Thermohydraulic performance of an artificially roughened solar air heater duct	International conference on emerging developments in engineering and technology	Shivalik College of Engineering, Dehradun	Nov. 11-12, 2016

9. Industrial tours / visits

Sr. No.	Faculty Coordinator name	Place	No. of Students	Date
1	Mr. Mohit Nagpal, Mr. Pankaj Chandel. Mr. Ashish Kumar	Jaipur, Agra, Delhi	360	January 15-26,2017

10. B.Tech. Projects during 2016-17

Sr. No.	Domain	Number of Projects	Coordinator
1.	Thermal Engineering	15	Dr. Manoj Kumar and Dr. Anil K. Patil
2.	Automobile Engineering	7	Mr. R. Rajan and Mr. S. P. Gairola
3.	Fluid Engineering	11	Mr. Ravi Kumar

11. Best 10 B.Tech Projects

Sr. No.	Name of Student	Guide	Title of Project
1	Akhil Chhabra Anas Malik Raghav Garg Arjun Rawat Ashish Raturi	Mr. R. Rajan	To Analysis The Mechanical And Other Characteristics Of A Non Asbestos Organic Composites
2	Akash Yadav Ashu Kumar Akshat Kapruwan Girish Chand Akshay Rajvanshi	Md. Faraz Azeem	Design And Manufacturing Of Light Weight Back Pack Chair
3	Mukul Anand Himank Dugtal Md. Ekramul Haque Jiyut Kumar Manish Kumar	Mr. Nalin Somani	Product Design And Modification Multi-Purpose Machine
4	Harsh Goyal Mayank Kumar Singh Monish Goel Ishan Rastogi Raja Tomar	Mr. S.P. Gairola	CNG Two Wheeler
5	Rishi Sharma Shobhit Sharma Sushil Kr. Tiwari Vishal Choudhary	Prof. Umesh Wazir	Accident Prevention Safety Box
6	Akshay Gaur Akash Sharma Uttkarsh Attri	Mr. Gaurav Sharma	Design & Fabrication Of Multiple Hacksaw
7	Priyanshu Pandey Rohit Gupta	Prof. A.K. Sharma	Optimization Of Draft Tube For Micro Hydro Turbine

	Anang Harsh Vivek Kumar Yadav		
8	Ehtram Ali Khan Anis Equebal Ajeet Kumar Rai Saurabh Aswal Pranjal Pratap	Mr. Vijay Singh	Fabrication & Analysis Of Mechanical System To Convert Waste Plastic Into Crude Oil
9	Shyam Kr. Chaurasia Abhishek Raj Anupam Harsha Anand Saurabh Rauthan	Mr. Ravi Kumar	Cross Heat Exchanger
10	Kumar Vibhor Agrawal Monu Kumar Gupta Manmohan Singh Bora	Mr. Pankaj Chandel	Inter-laminar Fracture Toughness In Composites
11	Akhilesh Bamola Mohit Rawat Ashish Bhatt Bijay Kumar Saket Dimri	Mr. Nitin Kumar Gupta	Analysis Of Various Heat treatment Characteristics of Titanium Using Heat Treatment

12. M.Tech. Projects

Sr. No.	Name of Student	Guide/Co-guide	Title of Project
1	Anshul Kunwar	Dr. Manoj Kumar, Dr. Sunil Chamoli	Experimental investigation on performance of packed bed solar energy storage system having large size cylindrical element with perforation
2	Amit Barthwal	Dr. Sunil Chamoli, Dr. Manoj Kumar	Experimental investigation of heat transfer and fluid flow characteristics in a heat exchanger tube with circular ring combined with metal wire net
3	Ravi Kumar	Dr. Manoj Kumar, Mr. Rajesh Maithani	Heat transfer and friction characteristics of artificially dimpled faced absorber plate with jet impingement on a sola air heater
4	Vinay Maurya	Mr. Rajesh Maithani, Dr. Sunil Chamoli	Heat transfer and fluid flow characteristics of jet impingement on spherical protrusion on a solar air heater absorber plate
5	Aditya Verma	Dr. Anil Patil, Dr. Manoj Kumar	Experimental investigation of heat transfer and fluid flow characteristics in a heat exchanger tube with helical coil and modified helical coiled inserts

13. Details of visits to Foreign Countries

Sr. No.	Name of Faculty/ Student	Conference name	Funding Agency	Dates	Venue
1	Dr. Anil K. Patil	5 th International Symposium on Heat Transfer and energy Conservation	SERB- DST New Delhi, CICS Tamilnadu, UCOST Dehradun and DIT University Dehradun.	Nov. 11-13, 2016	South China University of Technology, Guangzhou China
2	Dr. Manoj Kumar	IAENG conference WCE2016	SERB- DST New Delhi, CICS Tamilnadu, UCOST Dehradun, DIT University Dehradun	June 29 - July 1, 2016	Imperial College London

2.1.3 School of Computing (CSE)

1. Department Goals

- Focus to get more funding projects in the department.
- Get the fund from agencies so that international conference may be organized.
- To promote the students to participate in research activities through R& D cell.
- Academic excellence and integrity.
- Collaborative Research & Development.

2. Conferences / Seminars/ Workshops/Webinars organized

Sr. No.	Title/name of the conference/ seminar organized	Convener/Coordinator	Dates
1	Intel, AI & Deep Learning	Dr. ArvindTiwari	13.4.2017
2	Big Data Analytics	Mr. Ajay Kumar	19.12.16 – 24.12.16
3	Agile-Scrum framework	Ajay Shankar	1stFeb 2017
4	Data Visualization using Tableau	Ajay Shankar	8th Feb 2017
5	Data Analytics and Data Visualization	Ajay Shankar	15th Feb 2017
6	Pig Hadoop and Hive Hadoop	Ajay Shankar	22nd Feb 2017
7	An approach to introductory programming	Ajay Shankar	1st Mar 2017
8	Fundamentals and Applications of Digital Image Processing	Ajay Shankar	8th Mar 2017
9	Technology aided and Practical Oriented Innovative Trends in Engineering Education	Ajay Shankar	15th Mar 2017
10	Introduction to Python Programming	Ajay Shankar	22nd Mar 2017
11	How to handle errors while connecting to DB	Ajay Shankar	29th Mar 2017
12	Data structures in Python and where are they used?	Ajay Shankar	5th Apr 2017

3. Guest Lectures organized, if any

Sr. No.	Name of the expert	Title of the lecture	Date
1	Dr. Vijay Kumar, University of Missouri, USA	Cloud Computing & Application	27.1.2017
2	Dr. BalaNatrajan, University of Kansas, USA	Statistical Techniques for Machine Learning	6.2.2017 - 8.2.2017
3	Mr. Chandra Mohan, IBM	Information Security	20.3.2017

	Software Labs	Overview & Career Aspects	
4	Mr. Dinesh K Dhiman, IBM	Introduction to Business Analytics	21.3.2017
5	Mr. Manjit Singh Sodhi, IBM	Industrial session on Cloud	27.3.2017

4. Publication by faculty members in reputed SCI/SCIE

Sr. No.	Name of the Author	Title of Paper	Name of the Journal	Volume	Page nos.	Month and Year of publication	Impact Factor (if any)
1	Aditya Kishore Saxena, Vijay K. Chaurasiya	Multi-resolution texture analysis for fingerprint based age-group estimation	Multimedia Tools and Applications, Springer	75	1-27	March 2017	1.530
2	Durgesh Singh, Sanjay K. Singh	DWT-SVD and DCT based robust and blind watermarking scheme for copyright protection	Multimedia Tools and Applications, Springer	76	13001 – 13024	July 2016	1.530
3	Durgesh Singh, Sanjay K. Singh	Effective self-embedding watermarking scheme for image tampered detection and localization with recovery capability	Journal of Visual Communication and Image Representation	38	775-789	July 2016	2.164
4	Arvind Kumar Tiwari	Prediction of G-protein coupled receptors and their subfamilies by incorporating	Computer Methods and Programs in Biomedicine	134	197-213	Oct. 2016	2.503

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5. Conferences/Seminars/Workshops attended by the faculty members

Sr. No.	Name of the Faculty	Title /Name of the Conference/seminar/workshops attended	Place	Date
1	Dr M L Garg, Dr. ArvindTiwari, Dr. RadhaGuha, Dr. Suresh Dara, DrSrabantiMaji, Ajay Narayan Shukla, Ajay Kumar, Kushal Gupta, Vishal Sharma, AkashSrivastava, Rahul Kumar,Mansigera, Mansipuri, Chirag Joshi, ChiragJoshi,Vaibhav Kumar, SawinderKaur, ShaivyaKaushik, Nishant Kumar Singh, PreetamAmrit, RashmiPriya Sharma, Seema Gill, SudhaniVerma	One week FDP Workshop on “Big Data Analytics” by IBM	DIT University Dehradun	Dec 19-23, 2016
2	Dr.SrabantiMaji, Dr Ashok Kumar, Ajay Narayan Shukla, Ajay Kumar, Anuj Kumar Yadav, KushalGupta,Vishal Sharma, Rahul Kumar, MansiPuri, Bhagwan Krishna Gupta	One week FDP Workshop on “Open Source technologies via ICT” by NITTTR Chandigarh	DIT University Dehradun	Aug 28-Sep 2, 2016
3	Anuj Kumar Yadav	Two week FDP on “Entrepreneurship” Organized by DIT University supported by DST-NIMAT	DIT University Dehradun	Jan 18-Feb 01, 2017

6. PhD guidance by the faculty members

Sr. No.	Name of Faculty	No. of students enrolled in DITU	No. of students enrolled in other Universities
1	Dr. ArvindTiwari	1	Nil
2	Dr. ML Garg	5	01
3	Dr. SrabantiMaji	1	Nil
4	Dr. Aditya Kishore Saxena	1	Nil

7. Detail of PhD Candidates (full time/part time)

Sr. No.	Name of Candidate	Name of Supervisor	Proposed Research topic	Year of Enrollment	Full time/Part time	Status
1	Shakti Kundu	Dr. M.L. Garg	Software Agents based web data mining: An Intelligent Approach	2014	Full Time	4 th RDC has done
2	Ajay Narayan Shukla	Dr. M.L. Garg	An improved approach to solve the graph coloring problem	2014	Part Time	4 th RDC has done
3	Anuj Kumar Yadav	Dr. M.L. Garg Dr. Ritika	An approach for enhanced security in cloud computing environment	2014	Part Time	4 th RDC has done
4	Vaibhav Kumar	Dr. M.L. Garg	Fuzzy logic based noise reduction technique in low illumination image for scene text detection and recognition	2014	Part Time	4 th RDC has done
5	Akash Shrivastava	Dr. M.L. Garg	Bio-inspired dynamic data clustering for big data	2014	Part Time	4 th RDC has done
6	Garima Verma	Dr. RamaSushil	Identity management in cloud computing	2014	Part Time	4 th RDC has done

7	Dimple Bajaj	Dr. Rama Shushil	An agile approach for developing mobile cloud application	2014	Part Time	4 th RDC has done
8	Rakesh Saini	Dr. Ritika	Class layer modification for QoS in wireless sensor networks	2014	Part Time	4 th RDC has done
9	Rupak Chakaraverti	Dr. Rama Sushil Dr. M.L. Garg	Course Work completed	2015	Part Time	1 st RDC has done
10	Ajay Kumar	Dr. Rama Sushil, Dr. ArvindTewari	Course Work completed	2014	Part Time	1 st RDC has done
11	Sandip Mandal	Dr. Rama Sushil	Secure Energy saving clustering in WSN.	2015	Part Time	1 st RDC has done

8. Awards received by the faculty members

Sr. No.	Name of Faculty	Award	Awarding agency/Societies
1	Dr. Arvind Tiwari	Best faculty	Cognizant

9. Conferences session(s) chaired by the faculty members

Sr. No.	Name of Faculty	Name of Conference and session chaired	Place	Date
1	Dr. ArvindTiwari	NCEST Aamprali Group of Institution	Haldwani	18 April 2017
2	Ajay Shankar	Principal meet 2017	Infosys Chandigarh	24 March 2017

10. Memberships/Associations of the faculty members in Professional Societies

Sr. No.	Name of Faculty	Name of Societies	Membership type
1	Dr ML Garg	ACM USA	Member

2	Dr ML Garg	IETE, India	Fellow Member
3	Dr ML Garg	Association of PSEB Engineers	Life Member
4	Dr ML Garg	International Journal of Cloud Computing and Super Computing (IJCS), Canada.	Member, Editorial Board
5	Dr. Arvind Tiwari	ACM USA	Professional
5	Dr. Ashok Kumar	Computer Science Society of India	Member
6	Mr. Ajay Kumar	IETE	Life Membership
7	Mr. Ajay Kumar	ACM	Annual
8	Mr. Ajay Kumar	UACEE	For 3 years only
9	Mr. Vaibhav Kumar	International Association of Engineers, Hong Kong	Member
10	Mr. Vaibhav Kumar	International Association of Computer Science and Information Technology	Member

11. Faculty members who have been delivered Guest Lectures

Sr. No.	Name of Faculty	Title of the Lecture	Place	Date
1	Ajay Shankar	Agile Methodology	Chandigarh	24 March 2017

12. Faculty members who have presented research papers at International Conferences/Seminars

Sr. No.	Name of Faculty	Title of the Paper	Name of the Conference/Seminar	Place	Date
1	Shakti Kundu, M.L.Garg	Web log analyzer tools: A comparative study to analyze user behavior	7 th International Conference on Cloud Computing, Data Science & Engineering - Confluence	Amity University, Noida, Uttar Pradesh, India	Jan 12-13, 2017

2	Shakti Kundu, M.L. Garg	Data Mining and e-Commerce Analytics: Emerging Trends and Challenges	Proceedings of 4th IEEE International Conference on Computing for Sustainable Global Development	Bharati Vidyapeeth, New Delhi, India	Mar 01- 03, 2017
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13. Faculty members who have presented research papers at National Conferences/Seminars

Sr. No.	Name of Faculty	Title of the Paper	Name of the Conference/Seminar	Place	Date
1	A N Shukla, Charu Chandola	Grocery Store Route Optimization Using Shortest Path Algorithm – A Review	National conference on emerging trends in high performance computing 2017	Raebareli	2 nd May 2017

14. Industrial tours / visits

Sr. No.	Faculty Coordinator name	Place	No. of Students	Date
1	Mr. Ajay Kumar	Bangalore - Mysore	201	Jan 7 – 14, 2017
2	Mr. Vishal Sharma	Bangalore – Mysore	119	Jan 20-27, 2017

15. B.Tech Projects during 2016-17

Sr. No.	Domain	Number of Projects	Coordinator
1	Web Application	12	Ms. Dimple Bajaj, Mr. Akash, Dr. Ashok Kumar
2	Artificial Intelligence	3	Mr. Sarvesh Shukla
3	Analytics	3	Mr. Deep Kumar
4	Android Application	8	Mr. Vishal Sharma, Mr. Kushal Gupta
5	Cloud Security	2	Ms MansiPuri
6	Cryptography	3	Mr. Anuj Kumar
7	ERP System	2	Mr. BK Gupta

8	Game	2	Mr. PreetamAmrit
9	GIS	1	Dr. M L Garg
10	Image Processing	3	Dr ArvindTewari, Mr. Prashant Kumar
11	System Application	4	Mr. Vaibhav Kumar, Mr A N Shukla
12	Web Crawler	1	Mr. Ajay Kumar

16. Best 10 B.Tech Projects

Sr. No.	Name of Student	Guide	Title of Project
1	Dhruv Kumar Verma	Mr B K Gupta	University Management System
2	Gurtej Singh, PalakArora Yadvender Singh	Mr Vishal Sharma	Bus Tracking System
3	Ankit Ghildiyal, Vishesh Bansal, AnkitRana, Asheer Khan	Mrs. VineetaDurga	Android/Arduino based wireless Robot.
4	Ashutosh Sonu, Shalabh Mangal Abhijeet Saxena, Md Marghub Akhtar	Mr.SarveshShukla	Intelligent Personal Assistant
5	ArpitRawat HimanshuSakwaya Manuj VaibhavRawat	Mr T Santosh	Breast Cancer diagnostic system using Deep Neural Networks
6	Varun Shall DeepankSrivastava	Mr Prashant Kumar	Secure Cloud Simulation
7	VaibhavNautiyal	Dr M L Garg	Satellite around earth and working of GPS using Monte Carlo simulation
8	ShivamAgarwal ChhaviGoyal	Mr Ajay Kumar	Optimization of search engine using modern techniques
9	Raman Yadav NeerajPandey Ronjoy	Mr Deep Kumar	Prediction of movie rating
10	Abhishekchawla Gautamsahani swapnilsrivastava vaishnavivasesi	Mr Kushal Gupta	On your Fingers

17. M.Tech Projects

Sr. No.	Name of Student	Guide/Co-guide	Title of Project
1	Ekta	Dr. RadhaGuha	Review Sentiment analysis through text mining technique
2	Ankit Maithani	Mr. T Santosh	Prediction of Heart Disease using feature selection with Artificial Neural Network
3	Ankur Rohilla	Mr. Ajay Shankar	Comparative analysis of various classification algorithms in the case of fraud detection
4	Rahul Kumar	Dr. ArvindTewari	An efficient approach for the prediction of cancer using deep learning with RF-RFE
5	Pragya Sharma	Mr. Deep Kumar	Population Data Predictive Analytics using Machine Learning

18. Student achievements

Students clubs/Activities

1. Code Chao's 17

C++

Pushpam Kumar 2nd Year, CSE

ManikRastogi 2nd Year, CSE

Deepak Chandra 1st Year, CSE

Java

Naseem Ali 1st Year, CSE

Aayush, 3rd Year CSE

MrinalShekhar Sharma 1st Year, CSE

2. Qriosity

ShubhamMudgal 3rd Year, CSE

Ankit Kumar 3rd Year, CSE

Nikhil Chaturvedi 3rd Year, CSE

3. The Game of Codes

AdityaJamuwar, 2nd Year CSE

YashAgarwal 1st Year, CSE

Satyam Rawat 3rd Year, CSE

4. Code Buster

a. **GATE/CAT/GRE/ Any other competition**

Shivam Agrwal, Saurabh Baranwal, Abhijeet Saxena

b. **Intercollegiate festivals:** students of CSE have participated in various events with appreciations.

c. **Sports :**

The students of the CSE department have participated in various sport events in DIT University annual sports meet & Mr. GawneshPaatni, Mr. RishabhBardhan, Mr. SarthakNegi, Miss. PragyaAgarwal, MissPoojaJha, Miss DikhaMahendru got appreciations in participated events.

d. **Cultural activities/ literary activities:**

- The Department of CSE conducted fresher's party for B.Tech (CSE) 1st year students in August AROHAN'16.
- The Department of CSE conducted Farwell party 2016 for B.Tech(CSE) final year students in April 2017.
- The Department also participated in College Festival –YOUTOPIA 2016.
- The Department also participated in Founders Day program, 2017
- Miss. ShivaliPundir the student of CSE M.Tech 1st year got first prize in solo classical dance competition in YOUTHOPIA 2016.

e. **Research activities :**

- The Ph.D Programme for internal faculty members and fulltime scholars.
- Scholarships have been introduced for M.Tech/CSE students to encourage them to conduct high quality research work.
- The faculty members of the department encourage for writing project proposals to get the fund from external funding agencies.

Department Photographs



M.Tech Farewell Function



M.Tech Farewell Function



Cultural Fest



Fresher Function B.Tech



Fresher Function M.Tech



Guest Lecture through Intel Expert

2.1.4 School of Computing (IT)

1. Department Goals

- To come up as a center of excellence and to adapt itself to the rapid advancements in the specialized fields of IT.
- To attain the global recognition in IT education, research and training to meet the growing needs of the industry and society.

2. Conferences / Seminars/ Workshops organized

Sr. No.	Title/name of the conference/ seminar organized/Workshop	Convener/Coordinator/Expert	Dates
1	Workshop on Android App Development	Mr. Ganesh, Android App Developer, CETPA Pvt. Ltd., Noida, Delhi	Sep. 10, 2016
2	Seminar on “Entrepreneurship Through Web Site Creation and Maintenance” under Digital India programme by Govt. of India.	Mr. Sunny Shrivastava, Senior Manager, Proximo Planet Webtech Pvt. Ltd. Tuglakbad, New Delhi	Oct. 5, 2016
3	Webinar on “Big Data Fundamentals”	Expert: Mr. Bhavuk Chawala, Cloudera Instructor of the Year 2016, CTO, 360, Digital transformation, Noida, India.	March 25, 2017
4	Workshop on MATLAB	Mr. Srikantan, Projects Expert, CETPA InfoTech Pvt. Ltd., Noida, Delhi	April 15, 2017
5	Short Term Course on “Wireless Technology”	Dr. Rama Sushil & Mr. Pradeep Rawat	May 22-16, 2017

3. Guest Lectures organized

Sr. No.	Name of the expert	Title of the lecture	Date
1	Shri Deepak Kumar, Secretary-IT, Govt. of Uttarakhand,	IT innovative projects in Uttarakhand	Oct. 5, 2016
2	Mr. Akshat Gupta, AWS & Big data Administrator, SaaSFocus consulting Pvt. Ltd., Noida, Delhi	Big data concepts & tools	Sep. 10, 2016

4. Conferences/Seminars/Workshops attended by the faculty members

Sr. No.	Name of the Faculty	Title /Name of the Conference/seminar/ workshops attended	Place	Date
1	Mrs. Snehalata Aswal	workshop on Image Processing under QIP	IIT Roorkee	July 4-8, 2016
2	Dr. Rama Sushil, Dr. Narendra Kumar, Mr. Pradeep rawat, Mr. Nitin Thapliya, Mr. Rupak Chakraborty, Mr. T. Santosh, Mr. A. Tripathi	Short Term Course on “Wireless Technology”	DIT University	May 22-26, 2017

5. PhD guidance by the faculty members

Sr. No.	Name of Faculty	No. of students enrolled in DITU	No. of students enrolled in other Universities
1.	Dr. Rama Sushil	05	02

6. Detail of PhD Candidates (full time/part time)

Sr. No.	Name of Candidate	Name of Supervisor	Proposed topic of Research	Year of Enrollment	Full time/Part time
1	Garima Verma	Dr Rama Sushil	Cloud Identity Management System	2014	Part Time
2	Nitin Thapliyal	Dr Priti Dimari	Green Computing	2013	Part Time
3	T. Santosh	Dr. Dharavath Ramesh	Big data	2015	Part Time
4	Kuntal Chowdhary	Dr Arup Kumar Pal	Image Processing	2013	Part Time
5	Rupak Chakraborty	Dr Rama Sushil	Image Processing	2015	Part Time
6	Sandip Mandal	Dr Rama Sushil	Secure energy saving clustering in wireless sensor	2015	Part Time

			network		
7	Sneh Lata Aswal	Dr. Ashish Negi	Implementation of cryptographic algorithm using fractals	2015	Part Time
8	Pradeep Rawat	Dr. Saroha	Cloud Computing	2015	Part Time

7. Awards received by the faculty members

Sr. No.	Name of Faculty	Award	Awarding agency/Societies
1	Dr. Narendra Kumar	PhD Degree on 24 March 2017	Deen Dayal Upadhyay, Gorakhpur university
2	Mrs. Garima Verma	Certificate of merit for PhD project on National Technology day	DIT University

8. Memberships/Associations of the faculty members in Professional Societies

Sr. No.	Name of Faculty	Name of Societies	Membership type
1	Mrs. Garima Verma	CSI	Life time member
2	Dr. Rama Sushil	CSI	CSI Nominee, DITU student chapter
3	Dr. Rama Sushil	Tech republic	Life time member
4	Mr. T. Santosh	CSI	CSI Nominee DITU student chapter

9. Faculty members who have been delivered Guest Lectures

Sr. No.	Name of Faculty	Title of the Lecture	Place	Date
1.	Dr. Rama Sushil	Cloud Technology	Gautam International School, Vasant Vihar, Dehradun.	15 th May2017

10. Faculty members who have presented research papers at International Conferences/Seminars

Sr. No.	Name of Faculty	Title of the Paper	Name of the Conference/Seminar	Place	Date
1	Mr. Kuntal	Seed Point Selection Algorithm in Clustering Of Image Data	4th International Conference on Advanced Computing, Networking, and Informatics	NIT Rourkela	Sep. 22-24, 2016,
2	P. S. Rawat	Power consumption across heterogeneous data center using CloudSim	International Conference on Computing for Sustainable Global Development (INDIACom), India, 2016	New Delhi	July 15-17, 2016
3	R. Chakraborty	A Security One-time Password Authentication Scheme Using Image Texture Features	Intl Springer Conference on Advances in Computing, Communications and Informatics (ICACCI)	Jaipur, India	Sept 21-24, 2016

11. Faculty members who have presented research papers at National Conferences/Seminars

Sr. No.	Name of Faculty	Title of the Paper	Name of the Conference/Seminar	Place	Date
1	Mrs. Garima Verma	Case Study: RSA as Homomorphic encryption	National Science Day	DITU	Feb. 21, 2017

12. Industrial tours / visits

Sr. No.	Faculty Coordinator name	Place	No. of Students	Date
1	Sandip Mandal	Banglore	58	Jan. 9-14, 2017
2	Mr. Kuntal Choudhary	Banglore	116	Jan. 21-28, 2017

13. B.Tech Projects during 2016-17

Sr. No.	Domain	Number of Projects	Coordinator
1	Web Application Development	2	Dr. Rama Sushil
2	Multimedia and Web Development	3	Dr. Narendra Kumar
3	Java Application Development	3	Mrs. Garima Verma
4	Image Processing	2	Mr. Kuntal Chowdhury
5	Cloud Technology	2	Mr. Pradeep Singh Rawat
6	Information Security	2	Mr. Sandeep Mandal
7	Cryptography	3	Mr. A.N.Tripahi
8	Web Technology	2	Mr. Rupak Chakraborty
9	Big Data	3	Mr. T.Santosh
10	Virtualization	2	Mr. Nitin Thapliyal

14. Best 10 Projects of B.Tech

S.No	Guide Name	Name of students	Title of Project
1	Mrs.Garima Verma	Ajay Mann, Anshu Ojashvi, Divya Prakash, Neha Panday	ExploreWiz
2	Mrs.Garima Verma	Raj Ranjan, Rishabh Dwivedi, Sushil Kr Yadav	Firststep
3	Mr. Kushal Gupta	Pranav adarsh, Ruchi kumara, Richa joshi, Shivendu agarwal	DIT Fest
4	Mr. Rahul kumar	Siddharth verma, Pallavi rautela	Face recognition System
5	Mr. Rahul kumar	Aprajita kohli, Hritik anthwal	Employer solution services
6	Mr. Kushal Gupta	Mukesh rawat	Multi banking automation system
7	Dr. Rama Sushil	Kushal Srivastava	IndiaSpark Internship Portal
8	Mrs. Garima Verma	Shorya Vaish	Fella Homes executive
9	Mr. Sarvesh Shukla	Anushree Negi	Zogu Taxi app
10	Mr. Kushal Gupta	Aman Raheja	Bryair

15. Student achievements

GATE/CAT/GRE score

- Mukesh Rawar, BTech-IT, 2017 passout, GATE-76 percentile, 2017.
- Palak Dua, BTech-IT, 2017 passout, CAT score 76.5, 2017.
- Utkarsh, BTech-IT, 2017 passout, GRE 300, 2017.

Cultural/ Sports/Intercollegiate Festival

- First Prize in Cresendo Music event, Instrumental Category, Piono, Deepanshu Joshi, Youthopia Fest, DIT University, October 2016.
- First Prize, Deepanshu Joshi, Instrumental Category, Piono DIT Idol, DIT University, Feb 2017.
- Winner, Eshma Shukla, Fashionista; Youthopia Fest, DIT University, October 2016.
- Achieved Conntigent Leader for MOOD INDIGO, Anjali Srivastva, IIT Bombay, Dec. 2016.
- Second Prize, Eshma Shukla, Group Dance Competition; Youthopia Fest, DIT University, October 2016.
- Members of Winner team, Pankaj Bhatt & Arpit Choudhary, Cricket Match; Sphurti 2017, March 2017, DIT University.
- Design Head, Nishant Bafana, Editorial Board, DIT University, 2016-17.
- Manas, 4th yr, 2015-19 batch, BTech- IT, Member Management Team, IEEE student Chapter, DIT University, Branch Core Committee Member (IT), Computer Society of India (CSI) member, Management Leader & Technical Team Member for College Foundation Day Celebration, 10 March2017.
- Dy. Student Editor, Sneha Pratap, Editorial Board, DIT University, 2016-17.
- Manas, 4th yr, 2015-19 batch, BTech- IT, Cultural Coordinator & Discipline Committee Member, and Youthopia 2016.

Research Activities of Students

- Akshat Joshi, 3rd year student worked on the following research topic: Centralized Access Control for a distributed Environment System
- Deep Raj, 3rd year student worked on the following research topic: Human activity Recognition using smart phone.
- On-line Quiz of 175 school students organized on the occasion of National technology Day, 11 May2017, Software developed by Mr. Akash, student of 4th yr. B.Tech-IT, under the guidance of Dr. Rama Sushil.
- Harsh Gupta, 3rd year student worked on the following research topics: Temperature monitoring of entire nodes of Linux lab deployment over cloud in real time, under the guidance of Mr. Pradeep Rawat.

Department Activities Photograph



A Seminar on “Enterpreneurship Through Web Site Creation and Maintenance” under Digital India programme by Govt. of India, 5Oct2015, in association with Proximo Planet Webtech Pvt. Ltd. Tuglakbad, New DelhiIndia., Chief Guest: Shri Deepak Kumar, Secretary Information Technology, Govt. of Uttarakhand.



A Seminar on “Enterpreneurship Through Web Site Creation and Maintenance” under Digital India programme by Govt. of India, 5Oct2015, in association with Proximo Planet Webtech Pvt. Ltd. Tuglakbad, New DelhiIndia., Speakers from Proximo Planet Webtech Pvt. Ltd.



Industrial tour 21-28 Jan. 2017



Participants in a Short Term Course Organized on “Wireless Technology” on 22 May 2017

2.1.5 Department of Civil Engineering

1. Department Goals

- To achieve academic and intellectual excellence by imparting quality education to our students.
- Encouraging creative ability and research temperament.
- Synergizing teaching learning process through active interaction with industries, academia and other sectors and keep abreast with state-of-the-art technology.
- To provide knowledge based technological services to satisfy need of industries and society.

2. Conferences / Seminars/ Workshops organized

Sr. No.	Title/name of the conference/ seminar organized	Convener/Coordinator	Dates
1	Earth Day 2017	Dr. Tarumay Ghoshal	22 nd April, 2017

3. Guest Lectures organized

Sr. No.	Name of the expert	Title of the lecture	Date
1	Dr. Manish Shrikhande	Earthquake resistant Structure	23.12.16
2	Dr. M. Parida	Transportation and Smart city	23.12.16
3	Prof. S K Kaushik	Concrete Technology	20.08.16, 10.04.17- 11.04.17

4. PhD guidance by the faculty members

Sr. No.	Name of Faculty	No. of students enrolled in DITU	No. of students enrolled in other Universities
1	Dr. Imteyaz Ansari	1	NA

5. Detail of PhD Candidates (full time/part time)

Sr. No.	Name of Candidate	Name of Supervisor	Proposed Research topic	Year of Enrollment	Full time/Part time	Status
1	Ms. Dipika Keshri	Not Assigned	Geology	2015	Part Time	ongoing
2	Mr. Rakesh Kumar Bhunia	Not Assigned	Geology	2015	Part time	ongoing

3	Mr. KunwarDipendraditya	Dr. Imteyaz Ansari	Structure	2017	Full Time	Yet to start
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6. Sponsored projects undertaken by faculty members

Sr. No.	Title of the Project	PI(s)/Co-PI (s)	Sponsored agency	Cost (INR)	Date of Sanction	Duration
1	Implication of data assimilation for identifying short scale variations in various biogeochemical characteristics in the Bay of Bengal through Regional Ocean Model Simulations	Dr. TarumayGhoshal, Dr. S K Tiwary, Dr. A Chakraborty	DST	18 Lakhs (proposed)		

7. Memberships/Associations of the faculty members in Professional Societies

Sr. No.	Name of Faculty	Name of Societies	Membership type
1	Dr. Harish Chandra Mehndiratta	Indian Road Congress	Life Member
2	Dr. Harish Chandra Mehndiratta	Indian Society for Desert Technology	Life Member

8. Faculty members who have been delivered Guest Lectures

Sr. No.	Name of Faculty	Title of the Lecture	Place	Date
1	Dr. H C Mehndiratta	Road Safety	DITU	2016, 2017

9. Industrial tours / visits

Sr. No.	Faculty Coordinator name	Place	No. of Students	Date
1	Dr. S. K. Tiwary Mr.SubrataMondal MsNehaLakhwan Ms. Salonijain Mr.Sandeep Kumar Mr. Ashish Bhatt	Jaipur-Agra	173	January 15-21 st , 2017

10. B.Tech Projects during 2016-17

Sr. No.	Domain	Number of Projects	Coordinator
1	Transportation Engineering, Structural Engineering, Concrete	34	Mr. Ashish Walia, Mr. Harcharan Singh, Mr. MoleyMahato, Mr. SagarTandon, Mr. SubratraMondal, Mr. Bhushan Kumar, Dr. H.C. Mehndiratta, Mr. Sandeep Kumar, Dr. T. Ghoshal, Mr. Mohit Singh

11. Best 10 B.Tech Projects

Sr. No.	Name of Student	Guide	Title of Project
1	AmanKansal Rajat Sharma Saransh Arora Prateek Saini	Mr. SagarTandon	Hospital Building Design
2	Manish Gunsola AbhinavRawat Gaurav Dhyani HemantSirohi Ankit Singh	Dr. Imteyaz Ansari	Earthquake Resistant Building Construction
3	Baljinder Singh Dhananjay Pandey	Mr. MoleyMahato	"Traffic Census, Approach delay analysis of prominent roads and intersections of Dehradun City for heterogeneous traffic and possible recommendations to

			reduce delay and congestion"
4	Deepak Kumar Pulkit Agrawal Rohit Kumar	Mr. SagarTandon	Planning & Design of Net Zero Energy Residential Building
5	Ganesh ChnadraLohani Munir Ali Azmi UditaDabral ShivaniKochhar Shiva Rawat	Mr. SagarTandon	Analysis & Design of a Multi Storeyed Building
6	Moazam Iqbal	Dr. TarumayGhoshal	Landscape Design &Ecologocial planning at AkshayKaul& Associates, New Delhi
7	Kush Kumar	Mr. MukeshPetshali	Kakrapar Atomic Power Project-3&4
8	ChaaritTilara	Mr. Apoorv Jain	Motor Vehicle Bridge(Arch Span Bridge)
9	SushantManhas	Mr. Harcharan Singh	Design Of Commercial Building
10	KhusrooSuhail	Mr. Ashish Walia	Business Development at Applect Learning System Pvt Ltd

12. M.Tech Projects

Sr. No.	Name of Student	Guide/Co-guide	Title of Project
1	Praveen Takhar	Mr. Bhushan Kumar	Use of Silicafume and Iron Fillings to Produce High Strength Concrete
2	Gaurav Thakur	Mr. SagarTandon	Optimization of Composition of Ferrocement by Taguchi's Method
3	Rajesh Kumar	Mr. SagarTandon	Compressive Strength Improvement of Concrete Using Glass Fibers
4	RohitChandel	Dr. Imteyaz Ansari	Bonding Behavior of Tapecrete Coated Bamboo Reinforcement In Beam Specimen
5	Gaurav Malik	Mr. SagarTandon	The effect of Chemical Curing on the Compressive Strength Characteristics of the Concrete
6	Karandeep Singh	Mr. Ashish Bhatt	To Study & Compare the Behavior of Sawdust Concrete and Normal Concrete
7	Ankit Pal	Dr. Imteyaz Ansari	Bonding Behavior of araldite Coated Bamboo Reinforcement In Beam Specimen
8	Vishal Kumar	Mr. Harcharan Singh	Partial Replacement of Cement With Egg Shell Powder in Concrete

9	KunwarDipendraditya	Mr. Harcharan Singh	Partial Replacement of Coarse Aggregate with Waste Plastic in Concrete
10	Dimple Sharma	Dr. Imteyaz Ansari	Bonding Behavior of Bitumen Coated Bamboo Reinforcement in Beam Specimen

13. Details of visits to Foreign Countries

Sr. No.	Name of Faculty/Student	Conference name	Funding Agency	Dates	Venue
1	Moazam Iqbal	the magnificent Solid Waste management model, ecology and environment conservation and unique Landscape planning methodology of Japan	S K Kaul Associates	23.03.17-02.04.17	Kyoto University, Japan

14. Student achievements

Students clubs/Activities etc.

- Training cum workshop on structure and foundation by campclave, wingfotech, IIT Chennai Chapter
- Visit to Ambuja Cement factory, Roorkee

GATE/CAT/GRE/ Any other competition

Mr. Nilambuj Kumar Shekhar (Rank 191)

Mr. Pawan Singh Negi

Department Activities Photographs



Tree plantation on Earth day Event, 22nd April, 2017



Visit to Ambuja cement factory as the part Samarthyaa club activity



Engineers' Day Celebration on September 15th, 2016



2.1.6 Department of Petroleum & Energy Studies

1. Department Goals

- Recruit, retain, and graduate an academically prepared & diverse student body for Petroleum Industry.
- Build strategic partnerships and alliances with Industry & Academia
- Gain national recognition as a top Petroleum engineering program in India and abroad.
- Develop a research infrastructure that supports students, faculty, and departmental operations.

2. Conferences / Seminars/ Workshops organized

Sr. No.	Title/name of the conference/ seminar organized	Convener/Coordinator	Dates
1	PREC Conclave	Dr. Rajat Jain	March 23-24, 2017
2	CGD Workshop	Mr. GauravRichharaya	Dec. 12-17, 2016

3. Guest Lectures organized

Sr. No.	Name of the expert	Title of the lecture	Date
1	Mr. Gurmeet Singh	Subsea Operation	Aug 23, 2016
2	Mr. ShashankSanket	Petroleum data management	Aug 23, 2016
3	Mr. K.M Shukla	Prospects of gas hydrates in India	Sep. 26, 2016
4	Prof. C K Jain	Oil and Gas Well Cementing Operations	Oct. 25, 2016
5	Mr. PrasenjitGogoi	WellWorkover& Artificial Lift Systems	Nov. 18, 2016

4. Publication by faculty members in reputed SCI/SCIE journals

Sr. No.	Name of the Author	Title of Paper	Name of the Journal	Volume	Page nos.	Month and Year of publication	Impact Factor (if any)
1	Rajat Jain, VikasM	Formulation of water based drilling fluid system with synthesized	Journal of Natural Gas Science and	38	171-181	Feb. 2017	2.718

	ahto	graft copolymer for troublesome shale formations	Engineering, Elsevier				
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5. Conferences/Seminars/Workshops attended by the faculty members

Sr. No.	Name of the Faculty	Title /Name of the Conference/seminar/ workshops attended	Place	Date
1	Dr. Rajat Jain	PEDJD	ISM Dhanbad	12-14 Jan 2017
2	Mr. Gaurav Richharaya	Institution of Engineers, International. conference	Dehradun	July 2016
3	Mr. Gopal Kumar	Intl. conf. on reservoir challenges in Engg. & Tech.	Dehradun	18-19 Aug 2016
4	Mr. Gopal Kumar	APCEC 2017	RGIPT	25 March 2017

6. PhD guidance by the faculty members

Sr. No.	Name of Faculty	No. of students enrolled in DITU	No. of students enrolled in other Universities
1	Prof. D.N. Saraf	1	0

7. Detail of PhD Candidates (full time/part time)

Sr. No.	Name of Candidate	Name of Supervisor	Proposed Research topic	Year of Enrollment	Full time/Part time	Status
1	Mr. GauravRichharaya	Prof. D.N.Saraf	Development of Self Healing oil well cement.	2014	PT	Ongoing

8. Memberships/Associations of the faculty members in Professional Societies

Sr. No.	Name of Faculty	Name of Societies	Membership type
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1	Mr. GauravRichharaya/ Mr. Gopal Kumar/ Dr. Nitesh Kumar	SPE	Professional
2	Mr. GauravRiccharaya	SPG	Professional
3	Dr. Nitesh Kumar	AADE	Professional

9. Industrial tours / visits

Sr. No.	Faculty Coordinator name	Place	No. of Students	Date
1	2 nd Year, Sec-A	ONGC Museum, Dehradun	45	Oct. 18, 2016
2	2 nd Year, Sec-B	ONGC Museum, Dehradun	47	Oct. 19, 2016
3	3 rd Year	KDMIPE, ONGC Dehradun	33	Oct. 18, 2016
4	3 rd Year	KDMIPE, ONGC Dehradun	33	Oct. 19, 2016
5	2 nd Year Sec-A & B	MECL Jaitpur (Bikaner)	92	Jan. 30, 2017

10. B.Tech. Projects during 2016-17

Sr. No.	Domain	Number of Projects	Coordinator
1	Drilling Engineering	2	Mr. Gopal Kumar

11. Best 10 B.Tech. Projects

Sr. No.	Name of Student	Guide	Title of Project
1	RomyAgarwal	Mr. Deepak Vanjari	Real time drilling data analysis using pro-act application
2	Divyendu Sharma	Mr. Deepak Vanjari	Global market estimates and key players in CO ₂ enhanced oil recovery.
3	Akshay Gupta, SurajUdyan, DeepankarChadda& Said Al	Mr. GauravRichhariya	Performance analysis of wells of adiyakkamangalam oil field for productivity enhancement.
4	AkshayAnand, RaushanAnand, Kumar somesesh&Kundan Raj	Mr. Gopal Kumar	Fabrication of onshore rig (model)
5	AshishBangwal, Sagarika,	Dr. Rajat Jain	Fabrication of offshore rig (model)

	AyushYadav&Atir U Shakir		
6	AnukritiSah	Mr. Gopal Kumar	Oil cleaning market
7	Niharika Singh	Mr. Gopal Kumar	Mooring system market
8	Shivangi Gupta	Mr. Gopal Kumar	Improved hydraulic fracturing in shale formation using energized fracturing fluids.
9	Syed BazmiKirmani	Mr. Deepak Vanjari	Comprehensive study and future prospects of connected oil fields
10	PulkitChoudhary	Mr. Gopal Kumar	Analysis of lower crude oil prices on downstream sector in India.

12. Details of visits to Foreign Countries

Sr. No.	Name of Faculty/ Student	Conference name	Funding Agency	Dates	Venue
1	PulkitChoudhary	SPE Student Technical Conference	SPE DIT Student chapter/ Center for International Corporation in Science (CICS)	Dec. 2016	German Oil Museum in Wietze, Germany.

13. Student achievements

Students clubs/Activities etc. :

SPE Techfest in marchalongwithprec 2017.

GATE/CAT/GRE/ Any other competition:

5 students qualified GATE

Intercollegiate festivals:

Basket Ball – RishabhAgnihotri

Sports: Weight Lifting

– Shashank in Final Year competition

Department Activities Photographs



Mr. Prasenjit Gogoi (Chief Production Engineer & Country Manager of Russian Project, ONGC Videsh Ltd.) was invited to speak on Well Workover operations & Artificial Lift System.



3rd year PE students in Reservoir Section of KDMIPE, ONGC during Industrial Visit.



Distinguished dignitaries inaugurated Petroleum and Renewable Energy Conclave-2017.



Shashank, 3rd year Petroleum Engineering student at DIT University wins a weight lifting championship



SPE Faculty Advisor (Gopal Kumar) along with the committee members of SPE DIT University Student Chapter visit an Orphanage to donate food clothes books & stationary

2.1.7 Department of Applied Sciences (Mathematics)

1. Department Goals

- Achieve excellence in imparting computational ability and basic mathematical skills.
- Start new undergraduate and graduate programmes: This year (2017-18) started B. sc. Honors (Mathematics) and M. Tech (Scientific Computing).
- Promote research activity amongst faculty members.

2. Conferences / Seminars/ Workshops organized

Sr. No.	Title/name of the conference/ seminar/workshop organized	Convener/Coordinator	Dates
1	STUS-2016 Workshop on "Statistical Techniques using Software"	Dr. N. K.Kamboj	23-24 Dec. 2016

3. Publication by faculty members in reputed SCI/SCIE journals

Sr. No.	Name of the Author	Title of Paper	Name of the Journal	Volume	Page nos.	Month and Year of publication	Impact Factor (if any)
1	MeenuGoyal, ArunKajla, P. N. Agrawal and SerkanAraci	Approximation by bivariate Bernstein- Durrmeyer operators on a Triangle	Appl. Math. Inf. Sci.	11	1-10	May 2017	1.23

4. Conferences/Seminars/Workshops attended by the faculty members

Sr. No.	Name of the Faculty	Title /Name of the Conference/seminar/ workshops attended	Place	Date
1	Dr. Jogendra Kumar	Refresher Course on PDE	ISM Dhanbad	02.07.16- 14.07.16

2	Dr. Vinod Gupta	BHU Mathematical Society Conference	BHU Varanasi	17-18 Feb. 2017
3	Dr. Pooja S Saxena	NCRSTM	Phonics Group of Institutions, Roorkee	April 2017

5. Detail of PhD Candidates (full time/part time)

Sr. No.	Name of Candidate	Name of Supervisor	Proposed Research topic	Year of Enrollment	Full time/Part time	Status
1	Ms. Seema Yadav	Dr. Rakesh Mohan	Distributed Systems	2014	Part Time	Contd.
2	Ms. Pratibha Tyagi	Dr. Rakesh Mohan	Study of Commutative algebra by graded finitely generated Modules	2015	Full Time	Cond.

6. Memberships/Associations of the faculty members in Professional Societies:

Sr. No.	Name of Faculty	Name of Societies	Membership type
1	Dr. G. P. Kapoor	AMS & ISTE	Lifetime
2	Dr. Jogendra Kumar	IMS	Lifetime

7. Faculty members who have presented research papers at National Conferences/Seminars:

Sr. No.	Name of Faculty	Title of the Paper	Name of the Conference/Seminar	Place	Date
1	Dr. Vinod Gupta	Combined effect of internal heating and gravity modulation on Darcy convective heat transport	BHU Mathematical Society Conference	BHU, Varanasi	Feb. 2017

2.1.8 Department of Applied Sciences (Chemistry)

1. Department Goals

- To provide the best available basic knowledge & day to day innovations to the students.
- To build up the department potentially to embark upon research along with academics and motivating the faculty towards high end research projects.
- To facilitate the faculty to enhance their knowledge & skills, the required internet accessibility is provided.
- To modernize the laboratories in tune with the needs, supporting the students in their projects.
- To initiate research activities at the Inter departmental levels.
- About to start full time B.Sc. Chemistry (Hons.), Ph.D programme in Chemistry and planning to initiate M.Sc. Chemistry in Yr. 2018-19.

2. Conferences / Seminars/ Workshops organized

Sr. No.	Title/name of the conference/ seminar organized	Convener/Coordinator	Dates
1	National Conference on Alternate Energy Resources, Environment Protection and Global Economic Growth” (NCAERG-2016)	Dr Manisha Duseja	Sept. 9-10, 16
2	National Symposium on Materials for Advanced Technologies “MAT-2017”	Dr Naveen Singhal (Organizing Secretary)	Feb. 20-21, 2017
3	Petroleum and Renewable Energy Conclave(PREC2017)	Dr Naveen Singhal (Co-Convener)	March 22-24, 2017

3. Publication by faculty members in SCI/SCIE Journals

Sr. No.	Name of the Author	Title of Paper	Name of the Journal	Volume	Page nos.	Month and Year of publication	Impact Factor (if any)
1	Shailey Singhal, Rajan Sharma, Shilpi Agarwal, Shefali Arora, Naveen Singhal	Exploration of defatted waste feed stock for continuous production of biomethane under	Environmental Progress & Sustainable Energy	36(3)	845-849	March 2017	0.92

		psychrophilic outdoor conditions					
2	Shailey Singhal, Shilpi Agarwal, Shefali Arora, Pankaj Sharma, Naveen Singhal	Upgrading techniques for transformation of biogas to bio-CNG: A review	International Journal of Energy Research	DOI: 10.1002/er.3719		Feb. 2017	2.529
3	James ED, Knuckley B, Alqahtani N, Porwal S, Ban J, Karty JA, Viswanathan R, Lane AL	Two Distinct Cyclodipeptide synthase from a Marine Actinomycete Catalyze Biosynthesis of the same Diketopiperazine Natural Product	ACS Synthetic Biology	5	547-553	2016	6.076

4. Conferences/Seminars/Workshops attended by the faculty members:

Sr. No.	Name of the Faculty	Title /Name of the Conference/seminar/workshops attended	Place	Date
1	Dr Naveen Singhal	National Conference on Alternate Energy Resources, Environment Protection and Global Economic Growth” (NCAERG-2016)	DIT University, Dehradun	9th–10th Sept, 2016
2	Dr Naveen Singhal	National Symposium on Materials for Advanced Technologies "MAT-2017"	DIT University, Dehradun	20 th -21 st Feb 2017
3	Dr Naveen Singhal	Petroleum and Renewable Energy Conclave(PREC2017)	DIT University, Dehradun	22 nd -24 th March 2017
4	Dr Naveen Singhal	Young Scientist’s Conclave	CSIR, Delhi	7 th -11 th Dec,2016
5	Dr Naveen Singhal	International Conference on Advances in the Field of Health, Safety, Fire, Environment, Allied Sciences and engineering(HSFEA2016)	UPES, Dehradun	8 th July,2016

6	Dr Naveen Singhal	Young Scientist's Conclave	CSIR, New Delhi	7 th -11 th Dec, 2016
7	Dr Manisha Duseja	National Conference on Alternate Energy Resources, Environment Protection and Global Economic Growth" (NCAERG-2016)	DIT University, Dehradun	9 th -10 th Sept, 2016
8	Dr Manisha Duseja	National Symposium on Materials for Advanced Technologies "MAT-2017"	DIT University, Dehradun	20 th -21 st Feb 2017
9	Dr Manisha Duseja	Petroleum and Renewable Energy Conclave (PREC2017)	DIT University, Dehradun	22 nd -24 th March 2017
10	Dr Manisha Duseja	National Seminar on Upgradation and commercialization of Biogas	UPES, Dehradun	8 th July, 2016
11	Dr Suheel Porwal	National Conference on Alternate Energy Resources, Environment Protection and Global Economic Growth" (NCAERG-2016)	DIT University, Dehradun	9 th -10 th Sept, 2016
12	Dr Suheel Porwal	National Symposium on Materials for Advanced Technologies "MAT-2017"	DIT University, Dehradun	20 th -21 st Feb 2017
13	Dr Suheel Porwal	Petroleum and Renewable Energy Conclave (PREC2017)	DIT University, Dehradun	22 nd -24 th March 2017
14	Dr Suheel Porwal	National Seminar on Upgradation and commercialization of Biogas	UPES, Dehradun	8 th July, 2016
15	Dr Tanveer I. Siddiqui	National Conference on Alternate Energy Resources, Environment Protection and Global Economic Growth" (NCAERG-2016)	DIT University, Dehradun	9 th -10 th Sept, 2016
16	Dr Tanveer I.	National Symposium on	DIT University,	20 th -21 st Feb

	Siddiqui	Materials for Advanced Technologies "MAT-2017"	Dehradun	2017
17	DrTanveer I. Siddiqui	Petroleum and Renewable Energy Conclave(PREC2017)	DIT University, Dehradun	22 nd -24 th March 2017
18	DrDevendra N. Tripathi	National Conference on Alternate Energy Resources, Environment Protection and Global Economic Growth” (NCAERG-2016)	DIT University, Dehradun	9th–10th Sept, 2016
19	DrDevendra N. Tripathi	National Symposium on Materials for Advanced Technologies "MAT-2017"	DIT University, Dehradun	20 th -21 st Feb 2017
20	DrDevendra N. Tripathi	Petroleum and Renewable Energy Conclave(PREC2017)	DIT University, Dehradun	22 nd -24 th March 2017
21	DrArtiChaturvedi	National Conference on Alternate Energy Resources, Environment Protection and Global Economic Growth” (NCAERG-2016)	DIT University, Dehradun	9th–10th Sept, 2016
22	DrArtiChaturvedi	National Symposium on Materials for Advanced Technologies "MAT-2017"	DIT University, Dehradun	20 th -21 st Feb 2017
23	DrArtiChaturvedi	Petroleum and Renewable Energy Conclave(PREC2017)	DIT University, Dehradun	22 nd -24 th March 2017
24	DrJabrinder Singh	National Conference on Alternate Energy Resources, Environment Protection and Global Economic Growth” (NCAERG-2016)	DIT University, Dehradun	9th–10th Sept, 2016
25	DrJabrinder Singh	National Symposium on Materials for Advanced Technologies "MAT-2017"	DIT University, Dehradun	20 th -21 st Feb 2017
26	DrJabrinder Singh	Petroleum and Renewable Energy	DIT University, Dehradun	22 nd -24 th

		Conclave(PREC2017)		March 2017
27	DrJabrinder Singh	International Conference on health and safety	UPES, Dehradun	18 th Nov,2016
28	DrJabrinder Singh	India International Science Festival	NPL, New Delhi	8 th -10 th Dec,2016

5. PhD guidance by the faculty members

Sr. No.	Name of Faculty	No. of students enrolled in DITU	No. of students enrolled in other Universities
1	Dr Naveen Singhal	-	1

6. Conferences session(s) chaired by the faculty members

Sr. No.	Name of Faculty	Name of Conference and session chaired	Place	Date
1	Dr Naveen Singhal	National Conference on Alternate Energy Resources, Environment Protection and Global Economic Growth” (NCAERG-2016)	DIT University	9th–10th Sept, 2016
2	Dr Naveen Singhal	National Symposium on Materials for Advanced Technologies "MAT-2017"	DIT University	20th-21st Feb 2017
3	Dr Naveen Singhal	Petroleum and Renewable Energy Conclave(PREC2017)	DIT University	22nd -24th March 2017
4	DrManishaDuseja	Petroleum and Renewable Energy Conclave(PREC2017)	DIT University	22nd -24th March 2017
5	DrArtiChaturvedi	Petroleum and Renewable Energy Conclave(PREC2017)	DIT University	22nd -24th March 2017

7. Memberships/Associations of the faculty members in Professional Societies:

Sr. No.	Name of Faculty	Name of Societies	Membership type
1	DrManishaDuseja	Association of Carbohydrate Chemists and Technologists, India (ACCTI)	Life member
2	DrDevendraTripathi	Indian Science Congress	Lifemember

8. Faculty members who have presented research papers at International Conferences/Seminars

Sr. No.	Name of Faculty	Title of the Paper	Name of the Conference/Seminar	Place	Date
1	Dr. Jabrinder Singh	Environmental implications of burning of straw and stubble.in northern states of India	International conference on health safety and environment	UPES, Dehradun	18 Nov. 2016
2	Dr. Jabrinder Singh	Evaluation of traditional rain water harvesting in Himalayas	India-International Science Festival IISF-2106	CSIR-NPL, New Delhi	08 Dec. 2016
3	Dr. SuheelPorwal	Genome Enabled Characterization of Alkaloid Natural Product Biosynthesis	21 st International conference on Organic Synthesis	IIT Bombay, Mumbai	11-16 Dec. 2016

9. Faculty members who have presented research papers at National Conferences/Seminars

Sr. No.	Name of Faculty	Title of the Paper	Name of the Conference/Seminar	Place	Date
1	Dr. SuheelPorwal	Prenyl transfers on Indolescaffold via regioselective Cope rearrangement: A biomimetic approach	National Conference on Alternate Energy Resources, Environment Protection and Global Economic Growth” (NCAERG-2016)	DIT University, Dehradun	09 th -10 th Sept. 2016
2	Dr.	Synthetically	National Symposium	DIT	20 th -21 st

	SuheelPorwal	engineering materials (Oxobowls & cages) can potentially function as ligand for metal organic framework (MOFs)	on Materials for Advanced Technologies "MAT-2017"	University, Dehradun	Feb. 2017
3	Dr. SuheelPorwal	A review on multifunctional green additives for lubricating oil	Petroleum and Renewable Energy Conclave(PREC2017)	DIT University, Dehradun	22 nd -24 th Mar. 2017

Department Activities Photograph

1. "PRITHVI CLUB" organized Swachh Bharat Abhiyan with ISRO in Dehradun city on 2nd Oct 2016.



Students of DITU participating in Swachh Bharat Abhiyan



Students, faculty of DITU and team members of ISRO participated in Swachh Bharat Abhiyan on 2nd October, 2016

2. OnEarth Day Department of Chemistry along with Department of Civil Engineering organized competitive events for school children.



Banner of Earth Day



Inaugral Function of "Vasudha"

3. On World Environment Day, Department of Chemistry organized a plantation drive, swachhbharatabhiyan and health awareness program.



Faculty trying to create health awareness among villagers and distributing Dettol handwash to school children and villagers.

4. Department of Chemistry organized "National Conference on Alternate Energy Resources, Environment Protection and Global Economic Growth" (NCAERG-2016).



NCAERG – 2016. Chief Guest DrUma Kant Panwarwith Vice Chancellor Dr K.K Raina, Pro Vice Chancellor Dr



All the honorable dignitaries on the dice

S. Swaminathan, Director Academics DrShishir Kumar.



Poster presentation in technical session



*Validity function presided by
DrRajendraDobhal, Director UCOST, Dehradun*

2.1.9 Department of Humanities & Social Sciences

1. Department Goals

- To keep high standard of English language learning through outstanding instruction, innovative curricula and research training which reflects the shifting demands of the society.
- To pursue excellence in language learning skills.
- To increase the public awareness with the departmental activities and to promote English and other language learning skills.
- To increase students' awareness and appreciation of the aesthetic aspects of language and of literary genres and forms.

2. Guest Lectures organized

Sr. No.	Name of the expert	Title of the lecture	Date
1	Dr. D. K Nauriyal, Professor IIT Roorkee	India in World's R & D Atlas	20 th Dec, 2016

3. Conferences/Seminars/Workshops attended by the faculty members

Sr. No.	Name of the Faculty	Title /Name of the Conference/seminar/workshops attended	Place	Date
1	Ms. Pramod Rai	Fourth International Conference on Interdisciplinary Social Science Studies	Cambridge, United Kingdom.	July 4-6 2016
2	Ms. Pramod Rai	International Conference on language, literature & Culture	Institute of Advanced studies in English, Pune	February 3-5, 2017

3	Dr. Sakshi Semwal	4th International Conference titled MAGIC '16, UPES Topic: Importance of Literature & English Communication for the Development of an An Individual International Seminar.	Dehradun	Nov 10-11 2016
4	Dr. Sakshi Semwal	National Seminar on English Studies Changes & Challenges Topic: Retriving History, Culture & Past in Bharti Mukherjee's The Tree Bride	Banaras Hindu University	Nov 18-19 2016
5	Dr. Suchitra Vashisth	International Conference- Shri Ram Swaroop Memorial University Topic: Indian Culture- An Endless Vision	Lucknow	Feb 17-18 2017
6	Ms. Anugrah R. Lal	3rd Academic International Conference on Business, Marketing and Management Topic: An Analytical Study on Socio Demographic Variables Affecting the Investment Preferences Towards Various Investment Avenues : With Special Reference to Dehradun City, India.	Oxford, United Kingdom	Nov 14-16 2016
7	Dr. Kiran B. Mamgain	3rd Academic International Conference on Business, Marketing and Management on An Analytical Study on Socio Demographic Variables Topic: Communication: an Instrument to Reduce Alienation, Anxiety and Depression among Adolescents	Oxford, United Kingdom	Nov 14-16 2016

4. PhD guidance by the faculty members

Sr. No.	Name of Faculty	No. of students enrolled in DITU	No. of students enrolled in other Universities
1	Dr. Vijay Negi	03	NIL

5. Detail of PhD Candidates (full time/part time)

Sr. No.	Name of Candidate	Name of Supervisor	Proposed Research topic	Year of Enrollment	Full time/Part time	Status
1	Ms. Neha Agarwal (full time)	Dr. Vijay Negi	Social Constraints and Beyond: Search for Self in the Short Stories of Alice Munro	2013	Full time	In Progress
2	Ms. Anamika Lall (full time)	Dr. Vijay Negi	Psychological Analysis of the Immigrants' Experience: A Study Based on the Short Stories of Chitra Banerjee Diwakaruni, Rohinton Mistry, Jhumpa Lahiri and Salman Rushdie.	2014	Full time	In Progress
3	Ms. Neelima Bangwal (full time)	Dr. Vijay Negi	Image of India in the Selected Works of M G Vassanji (Tentative)	2016	Full time	In Progress

6. Conferences session(s) chaired by the faculty members

Sr. No.	Name of Faculty	Name of Conference and session chaired	Place	Date
01.	Ms. Pramod Rai	Fourth International Conference on Interdisciplinary Social Science Studies, Cambridge, United Kingdom	Cambridge, United Kingdom.	4-6 July, 2016

7. Faculty members who have delivered Guest Lectures

Sr. No.	Name of Faculty	Title of the Lecture	Place	Date
1	Dr. Vijay Negi	Communication Skills	DIT University	13 July, 2016
2	Ms. Pramod Rai	Communication across Borders	DIT University	19 Dec, 2016

8. Faculty members who have presented research papers at International Conferences/Seminars

Sr. No.	Name of Faculty	Title of the Paper	Name of the Conference/Seminar	Place	Date
1	Dr. Vijay Negi	Journey as a Motif in Bapsi Sidhwa's An American Brat	Migration and Diasporas: Emerging Diversities and Development Challenges	New Delhi	22 nd – 23 rd March, 2017
2	Ms. Pramod Rai	Culture and Diasporic identity: Projection of Being into Becoming	International Conference on Languages, Literature and Culture	Institute of Advanced Studies in English, Pune	Feb 3 -5, 2017
3	Ms. Pramod Rai	Indian English: Idiosyncrasies and Intelligibility	Fourth International Conference on Interdisciplinary Social Science Studies	Cambridge, United Kingdom.	July 4-6 2016
4	Dr. Sakshi Semwal	Importance of Literature & English Communication for the Development of an Individual.	4th International Conference titled MAGIC '16, UPES	Dehradun	Nov 10-11 2016

5	Ms. Anugrah R. Lal	An Analytical Study on Socio Demographic Variables Affecting the Investment Preferences Towards Various Investment Avenues: With Special Reference to Dehradun City, India.	3rd Academic International Conference on Business, Marketing and Management on an Analytical Study on Socio Demographic Variables	Oxford, United Kingdom	Nov 14-16 2016
6	Dr. Kiran B. Mangain	Communication: an Instrument to Reduce Alienation, Anxiety and Depression among Adolescents	3rd Academic International Conference on Business, Marketing and Management on An Analytical Study on Socio Demographic Variables	Oxford, United Kingdom	Nov 14-16 2016

9. Faculty members who have presented research papers at National Conferences/Seminars

Sr. No.	Name of Faculty	Title of the Paper	Name of the Conference/Seminar	Place	Date
1	Dr. Sakshi Semwal	Topic: Retrieving History, Culture & Past in Bharati Mukherjee's The Tree Bride	English Studies Changes & Challenges	Banaras Hindu University	Nov 18-19 2016
2	Dr. Vijay Negi	Elements of Diaspora in the Writings of Diasporic Writers	Migration and Diaspora: Theory, Cultures and Literature	New Delhi	24 th – 25 th March, 2017

10. Details of visits to Foreign Countries:

Sr. No.	Name of Faculty/ Student	Conference name	Funding Agency	Dates	Venue
01.	Ms. Anugrah Lal	3rd Academic International Conference on Business, Marketing and Management on an Analytical Study on Socio Demographic Variables	NIL	Nov 14-16 2016	Oxford, United Kingdom
02.	Dr. Kiran. B. Mamgain	3rd Academic International Conference on Business, Marketing and Management on An Analytical Study on Socio Demographic Variables	NIL	Nov 14-16 2016	Oxford, United Kingdom

11. Student achievements

Student's clubs/Activities etc.

Literary Club

‘Clikrrati Literati’ , the literary club nurtures the talents of students in literary fields.(Literary events, Poetry)It celebrates major events and occasions by organizing competitions that help students to explore, understand and realize their true selves.

1. Deshprem Mahotsava(23rd January-23rd March'17) which includes 12 events- Fantasy Inc., Shuttle Relay, 3D Sketching, Turn Coat, Calligraphiti, Reduce Reuse Recycle, Ethnic Singing, The Intellect, Wazir, Quiz, Photrico, Show Case
2. “Job Placements Experience Sharing Sessions” by some seniors (January'17).
3. “Annual General Meet” of club (April'17).
4. Milan”-bidding farewell to 4th year LC members and “Closing of the club for the session 2015-2016” (April' 17).
5. “Rajbhasha Mahotsava”(1st-14th September 16) which included 8 events- Multi Tasking, Creative Writing, Quiz, Debate, Treasure Hunt, Instrumental Music, Photography, Online Poetry
6. “Membership Renewal Drive” for new members Sep 16.

7. Felicitating Teachers with greeting cards made by club members on “Teacher’s Day” (5thSeptember16).
8. LC members participated in national “Ramkrishna Mission Essay Writing Competition” (September).
9. Srijan was organized at youthopia 2016. Major events were Debate, Fantasy Inc etc.

Editorial Board

IMPROMPTU, Annual, on the spot competition held on March, 2017

Publication of 4 issues Quarterly News Letter, Aarohan- There are 4 issues of Aarohan. The status is as follows: March issue 2016 was published in print form. June issue 2016 brought out as E newsletter. September issue 2016, uploaded as E newsletter. Dec. Issue 2016 was published in print form.

Started and uploaded first Monthly E newsletter “THE CAMPUS SCOOP” from 1st February, 2016.

‘PRATIBIMB’ VIII issue has been published.

Personality Development Club

Personality Development Club (PDC), with the vision of ‘Project- Drift- Change’, is a student’s club at DIT University and was inaugurated on 21stMarch, 2014 with an aim of overall grooming of students’ personality: soft skills, hard skills and moral ethics.

Our policy is “Teach first and then test” i.e. **Assessment>Enhancement > Outcome**, so that the vision of transformation lives on.

Orientation Ceremony (20th Sept'16):- Mentors were provided to first year students to guide them and help them to get settled in the new environment.

Confidence Building and Public Speaking Workshop (3rd Oct'16) :-The workshop was conducted by Faiz Shahzad for 170 students from 1st year and focused on ways to build confidence and enhance about public speaking skills of the students .

Peer Pressure and Social Awareness (4th Oct'16):- Presented by Faiz Shahzad and attended by 200 students, the workshop was focused on real life examples and practical problems and social issues among the youth.

Stress Management (5th Oct'16):- This workshop was conducted by Gaurav Tewari (ME 3rd Yr) for 120 students, with a focus on how to handle stress and its effect on one's life.

Career Counselling (6th Oct'16):- The workshop was conducted by Yash Grover (ME 4th Yr) and attended by 145 students. It addressed the world of opportunities awaiting an engineer on graduation.

Presentation Skill and Body Language (7th Oct'16) :- The workshop was conducted by Shubhamoy Halder(ME 4th Yr) and Utkarsh Jain(ME 3rd Yr), and was an effort to hone the

presentation skills of the budding engineers with an emphasis on how to synchronise body posture, movements and gestures with words to communicate effectively.

Positivity , Moral Value and Goal setting (8th Oct'16) :- This workshop was conducted by the combined efforts of Ashmita Bhandari(ECE 4th Yr), Ashutosh Siddharth(ME 3rd Yr) and Arvind Kr Gautam(ME 3rd Yr). This session focused on power of Positive Thinking, moral and emotional growth of the students and importance of goal setting.

YOUTHOPIA'16:- During Youthopia'16 PDC organize events like DIT'S Got Talent, Murder Investigation, Kingship Suspension, Art-O-Mania and Paintball the most awaited one, Mine field, Kho-Kho, Kabbadi, PDC shop.

Mesmeronica - The Music Club

Music, is an art of expression. It expresses something which cannot be put into words, and that which cannot remain silent. It acts as a sweet reminder of how every human soul is in a symphony with the universe. *Mesmeronica* - the music club of DIT University brought us another fresh season of *The DIT Idol*, a music competition where students from different streams are bound together by a common interest of music.

The finale of DIT Idol Season 2, took place on 21stFeb 2017.Comprising of three categories: Indian Solo, Western Solo and Instrumental where, Rahul Mishra, Tina Das and Deepanshu Joshi stole the show and won their respective genres. Tina Das was also awarded the title "*The Performance of The Day*".

Red Ribbon Club

Red Ribbon Club of DIT University is an organisation to spread awareness about **AIDS, ALCOHOL, AND HEALTH ISSUES LIKE IBOLA VIRUS AND MANY OTHER ISSUES**. This club organised two events for those issues events of Quiz and Group discussion. These events held on 13 and 14 September, 2016 at Dome Hall Chanakya building.

On the first day of events 13 September at scheduled time from 1pm to 2pm, 40 students from different departments takes participation in this Quiz event. Best three were chosen as winners.

On the last day of events 14 September at scheduled time from 1pm to 2 pm, 50 students takes participation in this Group discussion event. Best three were chosen as winners.

Selected winners were awarded by certificates approved by USACS national organization for aids awareness.

Department Activities Photograph



2.1.10 Department of Applied Sciences (Physics)

1. Department Goals

- To work as a team to achieve University's Vision and Mission.
- To make the teaching interesting and interactive.
- To provide an opportunity to develop and hone problem solving skills.
- To ensure the all-round development of the students by providing a healthy academic environment.
- To establish an advance research laboratory in Department.
- To accelerate the research activities in the department.
- To organize guest lectures, workshops, conferences and to expose the students about The new technologies and research areas.

2. Conferences / Seminars/ Workshops organized

Sr. No.	Title/name of the conference/ seminar organized	Convener/Coordinator	Dates
1	National Seminar on Material for Advanced Technologies (MAT- 2017)	Dr. Surbhi Sachdev (Co-chair) Dr. Parveen Kumar (Convener)	February 20- 21, 2017
2	NASI summer School 2017	Dr. Surbhi Sachdev (Convener) Dr. Ravi Kumar Shukla (Coordinator)	June 6-11, 2017

3. Guest Lectures organized

Sr. No.	Name of the expert	Title of the lecture	Date
1	Prof. Yosi Shacham (Faculty of Engineering, Tel Aviv University, Ramat Aviv 69978, Israel)	Nano particle based bio electrochemical sensors for flexible and printed electronics	23 Nov, 2016

4. Publication by faculty members in reputed SCI/SCIE journals

Sr. No	Name of the Author	Title of Paper	Name of the Journal	Volume	Page nos.	Month and Year of publication	Impact Factor (if any)
1	Singh Amit Kumar, Chauhan Samta and Chandra Ramesh	Influence of antisite disorders on the magnetic properties of double perovskite $\text{Nd}_2\text{NiMnO}_6$	Solid State Communications	242	74	Sept. 2016	1.554
2	Chauhan Samta, Singh Amit Kumar, Srivastava Saurabh and Chandra Ramesh	Study of magnetic behavior in hexagonal- $\text{YMn}_{1-x}\text{Fe}_x\text{O}_3$ (x=0 and 0.2) nanoparticles using remanent magnetization curves	Journal of Magnetism and Magnetic Materials	414	187	Sept. 2016	2.630
3	Jaiswal Jyoti, Mourya Satyendra, Malik Gaurav, Chauhan Samta, Sanger Amit, Daipuriya Ritu, Singh Manpreet, and Chandra Ramesh	Determination of optical constants including surface characteristics of optically thick nanostructured Ti films: analyzed by spectroscopic ellipsometry	Applied Optics	55	8368	Oct. 2016	1.650
4	Singh Amit Kumar, Chauhan Samta and Chandra Ramesh	Thickness Dependent structural and magnetic properties of $\text{Nd}_2\text{NiMnO}_6$ epitaxial thin films	Thin Solid Films	625	17	March 2017	1.879
5	Singh Amit Kumar, Chauhan Samta and Chandra Ramesh	Antisite disorder induced spin glass and exchange bias effect in $\text{Nd}_2\text{NiMnO}_6$ epitaxial thin film	Applied Physics Letters	110	102402	March 2017	3.14
6	R. K. Shukla, D. R. Evans,	Ferroelectric BaTiO_3 and LiNbO_3	Ferroelectrics	500	1	Oct. 2016	0.55

	and W. Haase	nanoparticles dispersed in ferroelectric liquid crystal mixtures: Electrooptic and dielectric parameters influenced by properties of the host, the dopant and the measuring cell	cs				
7	R.K Shukla, K.K Raina	Effect of quenching on the structural and dynamic properties of non-aqueous lyotropic mesophases	Liquid Crystals	44	989	Nov. 2017	2.6
8	R.K Shukla, K.K Raina	Structural, dielectric and conductivity behaviours of cetyltrimethylammonium bromide/ethylene glycol-based quenched lyotropic mesophases	Liquid Crystals	In print	In print	May 2017	2.6
9	Preeti Sharma, Parveen Kumar, R.S. Kundu, N. Ahlawat, R. Punia	Enhancement in magnetic, piezoelectric and ferroelectric properties on substitution of titanium by iron in barium calcium titanate ceramics	Ceramics International	42 (10)	12167	August 2016	2.986
10	RenuRani, ParveenKumar, SangeetaSingh, J.K.Juneja, ChandraPrakash	Improvement in Magnetoelectric and Other Physical Properties of BSZT-NZF Composites by Microwave Sintering	Journal of Alloys and Compounds	690	716	Jan. 2017	3.133
11	Amit Badola , S. K. Singhal, Manoj Bhatnagarand	j-dependence of s-wave neutron strength function and presence of	Nuclear Physics A	957	123	Jan. 2017	1.916

	H.M. Agarwal	intermediate structure in medium and heavy mass nuclides					
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5. Conferences/Seminars/Workshops attended by the faculty members

Sr. No.	Name of the Faculty	Title /Name of the Conference/seminar/ workshops attended	Place	Date
1	Dr. Ravi Kumar Shukla	26th International Liquid Crystals Conference (ILCC 2016)	Kent State University, USA	July 31 to Aug. 5, 2016
2	Dr. Ravi Kumar Shukla	23rd National Conference on Liquid Crystals (NCLC23)	ISM Dhanbad	Dec.7-9-2016
3	Dr. Parveen Kumar	International Conference on Technologically Advanced Materials & Asian Meeting on Ferroelectricity (ICTAM-AMF 10)	University of Delhi, 16	Nov. 7-11, 2016
4	Dr. Parveen Kumar	National conference on materials for sustainable development and new technology	Central University of Jammu	April 28-29, 2017

6. PhD guidance by the faculty members

Sr. No.	Name of Faculty	No. of students enrolled in DITU	No. of students enrolled in other Universities
1	Dr. Manoj Bhatnagar	01	01
2	Dr. Parveen Kumar	01	-

7. Detail of PhD Candidates (full time/part time)

Sr. No.	Name of Candidate	Name of Supervisor	Proposed Research topic	Year of Enrollment	Full time/ Part time	Status
1	Amit Badola	Dr. Manoj Bhatnagar	Study and Analysis of Neutron Resonance	2013	Full time	ongoing

			Parameters and Cross-Sections			
2	Khushbu	Dr. Parveen Kumar	Synthesis and characterization of binary/ternary systems of BaTiO ₃ /PbZrO ₃ /RFeO ₃ (R=Bi, Sm etc.)	2015	Full time	ongoing

8. Faculty members who have presented research papers at International Conferences/Seminars

Sr. No.	Name of Faculty	Title of the Paper	Name of the Conference/Seminar	Place	Date
1	Dr. Ravi Kumar Shukla	Non-aqueous lyotropic mesophases for capacitive applications	26th International Liquid Crystals Conference (ILCC 2016)	Kent State University, Ohio, USA	31st July to 5th August 2016

9. Faculty members who have presented research papers at National Conferences/Seminars

Sr. No.	Name of Faculty	Title of the Paper	Name of the Conference/Seminar	Place	Date
1	Dr. Ravi Kumar Shukla	Non-aqueous lyotropic liquid crystalline phases as a water free soft template and drug carrier	23rd National Conference on Liquid Crystals (NCLC23)	ISM Dhanbad	Dec. 7-9-2016
2	Dr. Parveen Kumar	Impedance spectroscopy of Pb ²⁺ and Ca ²⁺ substituted BaTi _{0.9} Zr _{0.10} O ₃	International Conference on Technologically Advanced Materials & Asian Meeting on Ferroelectricity (ICTAM-AMF 10),	University of Delhi, 16	Nov. 7-11, 2016

10. Details of visits to Foreign Countries

Sr. No.	Name of Faculty/ Student	Conference name	Funding Agency	Dates	Venue
01.	Dr. Ravi Kumar Shukla	26th International Liquid Crystals Conference (ILCC 2016)	DST (SERB) Govt. of India	31st July to 5th August 2016	Kent State University, Ohio, USA

Department Activities Photograph



National Seminar on Material for Advanced Technologies (MAT-2017) organized by Department of Physics during February 20-21, 2017



NASI Summer School 2017, organized by Department of Physics during June 6-11, 2017

2.1.11 School of Computing (Computer Applications)

1. Department Goals

- To achieve academic excellence and integrity.
- Empower Scholarly research and professional leadership.
- Appreciation of intellectual excellence and creativity.
- Inculcating global perspective in attitude.

2. Conferences / Seminars/ Workshops organized

Sr. No.	Title/name of the conference/ seminar organized	Convener/Coordinator	Dates
1	STC on "Open Source Technologies" via ICT	Mr. Ashish Saxena & Mr. Deepak Sharma	29 Aug 2016 to 2 Sep 2016
2	"NPTEL Awareness Workshop: Role of Local Chapter" in association with NPTEL IIT Kanpur and NPTEL IIT Roorkee	Dr.Ritika	11 Feb 2017

3. Conferences/Seminars/Workshops attended by the faculty members

Sr. No.	Name of the Faculty	Title /Name of the Conference/seminar/ workshops attended	Place	Date
1.	Rakesh Kumar Saini	Faculty development Program(FDP) on MATLAB & Its Applications	DIT University	10 July 2017 - 12 July 2017
2	Dr.Ritika, Mr. Rakesh Saini, Mr. Ashish Saxena, Mr. Deepak Sharma, Mr. Amit dua	FDP session on "Emerging Technologies".	DIT University	22nd & 23rd May, 2017
3	Dr.Ritika, Mr. Rakesh Saini, Mr. Ashish Saxena, Mr. Deepak Sharma, Mr. Amit dua	Workshop on the role of NPTEL Local Chapter	DIT University	11 Feb 2017

4	Mr. Ashish saxena Mr. Amit dua Mr. Deepak Sharma	"Big Data Analytics"	DIT University	19th - 24th Dec. 2016
5	Dr.Ritika, Mr. Rakesh Saini, Mr. Ashish Saxena, Mr. Deepak Sharma, Mr. Amit dua	STC on Open Source Technologies through ICT	DIT University	29 Aug – 2 Sep 2016
6	Mr.Rakesh Kumar Saini	STC on Research tool & techniques for quality research	IIT Roorkee	13-17 June 2016

4. PhD guidance by the faculty members

Sr. No.	Name of Faculty	No. of students enrolled in DITU	No. of students enrolled in other Universities
1	Dr.Ritika	3	2

5. Detail of PhD Candidates (full time/part time)

Sr. No.	Name of Candidate	Name of Supervisor	Proposed Research topic	Year of Enrollment	Full time/Part time	Status
1	Mr.Rakesh Kumar Saini	Dr.Ritika	Cross layer design approach for QoS in Wireless Sensor Network	2014	Part time	Working on Thesis writing
2	Ms. Ankita Tyagi	Dr.Aditya, Dr. Srabanti Maji	Big data Analytics	2017	Full Time	Enrolled in June 2017
3	Mr. Nafees	Dr. Ritika	Data Mining	2017	Full Time	Enrolled in June 2017

6. Awards received by the faculty members

Sr. No.	Name of Faculty	Award	Awarding agency/Societies
1	Dr. Ritika	Got appreciation for instrumental role as SPOC NPTEL DIT Chapter which is rated 'A' during the period of Jan-March/April, 2017	NPTEL
2	Rakesh Kumar Saini	Best Reader Award 2017 on the occasion of World Book Day	DIT University
3	Dr. Ritika	Got appreciation for instrumental role as SPOC NPTEL DIT Chapter which is rated 'A' during the period of June-Sep/October 2016	NPTEL

7. Memberships/Associations of the faculty members in Professional Societies

Sr. No.	Name of Faculty	Name of Societies	Membership type
1	Dr. Ritika	Computer Society of India	Life time
2	Dr. Ritika	IEEE computer Society	Member
3	Dr. Ritika	Indian Science Congress Association	Life Time
4	Dr. Ritika	The Institution of Electronics & Telecommunication Engineers	Life Time
5	Dr. Ritika	International Associations of Engineers	Life Time

8. Faculty members who have presented research papers at International Conferences/Seminars

Sr. No.	Name of Faculty	Title of the Paper	Name of the Conference/Seminar	Place	Date
1	Shobha Aswal, Dr. Ritika	Experimental Analysis of Traditional Algorithms on Bio Medical Datasets	2nd IEEE International Conference on Next Generation Computing Technologies (NGCT-2016)	University of Petroleum & Energy Studies	14-16 Oct 2016

9. Industrial tours / visits

Sr. No.	Faculty Coordinator name	Place	No. of Students	Date
1.	Mr. Deepak Sharma, Mr.Ashish Saxena	IBM Research Center, Vasant Kunj, Delhi	42	12-13 Jan, 2017

10. MCA Projects during 2016-17

Sr. No.	Domain	Number of Projects	Coordinator
1	Computer Science	02	Dr.Ritika
2	Computer Science	09	Mr.Ashish Saxena
3	Computer Science	09	Mr.Rakesh Kumar Saini
4	Computer Science	09	Mr.Amit Dua
5	Computer Science	09	Mr.Deepak Sharma
6	Computer Science	10	Ms.Pooja Vashishta

11. Best 10 MCA Projects

Sr. No.	Name of Student	Guide	Title of Project
1	Prakhar Abhishek	Mr.Rakesh Kumar Saini	Group Task Management
2	Safdar Ali	Mr.Rakesh Kumar Saini	HUMAN RESOURCES MANAGEMENT SYSTEM
3	Avinash Tiwary	Mr.Amit Dua	VHiring
4	Meenu Negi	Mr.Amit Dua	I-Market
5	Sparsh Sharma	Mr.Amit Dua	Wain App
6	Manish Singh Mewari	Mr.Ashish Saxena	Fin360(Bank Statement Analyzer)
7	Gaurav Pawar	Dr.Ritika	Shoppers Deal(E-Commerce website)
8	Sukanya	Mr.Ashish Saxena	Online Shopping(Fashion Store)
9	Srastee Verma	Mr.Deepak Sharma	Hospital Booking System
10	Piyush Joshi	Mr.Deepak Sharma	Job Portal

12. Student achievements

Online Quiz Software developed by Prakhar Abhishek students of MCA 3rd year under the guidance of Dr. Ritika and Mr. Amit dua. Online exam portal help to conduct the examination based on MCQ.

This software has made the quiz examination procedure of the University easier as it gives online facility of instantaneous result. The software has been tested in the Odd semester 2016 for the Quiz examination of MCA 2nd year and MCA 3rd year and in Even semester 2017 for the Quiz examination of MTech/ MCA/ B.Arch / B.Pharm/ PhD/ M.Pharm programs.

Students clubs/Activities:

MCA Techlive Club Event:

- Under the guidance of Dr. Ritika and Mr. Rakesh Kumar Saini, Techlive club of MCA dept. of DIT University, Dehradun conducted two day cultural and tech. event which takes place on 23-24 of January 2017. In the two days three events takes place in which numerous students of the respected university took part. On the first day of elixir which was on 23rd of January we had two sub events which were as follows (with details):
 1. Student of the Year: This particular event was one of the main attraction of the elixir 2017. Many of the students took part and they were judge on the following criteria to get the best out of many. The criteria were: General Knowledge Test., Talent Haunt., Personality Test.
 2. Code Crackers: This event was for the future coder's. It was mainly conducted to emphasize on the enhancement of the coding knowledge of the students. The students had three different rounds to clear the event which were: Error finding., Debugging, .Implementation. On the 2nd day of elixir we had only one which was "WAN Gaming" i.e. MINI MILITIA. It is the wireless network game which was played on the android smart phones. Then the winners and runner-ups were awarded with the cash prizes, medals and trophies in their respective events by Prof. K.K. Raina Vice Chancellor DIT University



Techlive Event Prize distribution ceremony on 25th January.



Code Craker Event

- Students of MCA Dept. of DIT University organizes a charismatic two day technical event on 13th -14th Oct 2016 at the DITU campus. "TECHLIVE" club of MCA. Dean CSE Prof. G.P. Kapoor addressed the event and congratulate each and every one for participating and Team Techlive for conducting such event full of enthusiasm. Head MCA Prof. Ritika enlighten

the audience with her words toward the initiative, significance and the evolution of Techlive group. The prize distribution ceremony was held on 25 October 2016.



Prof K.K Raina Vice Chancellor DIT University and Dr. Ritika, Head MCA gave medals, certificates and Cash prize to the winner of “LAN gaming”, “flying fingers” and “technical coding” event ..

Industrial Tour:

Industrial Visit to IBM Delhi was scheduled on 12 and 13 January 2017. Visit started with a sense of figour and enthusiasm. Total of 42 students of MCA 2nd year went for Industrial visit to IBM Research Center, Vasant Kunj, Delhi. There Students experienced technology like never before. They demonstrated the history of IBM, and showed the students; how AI tech Watson works. It was really exhilarating experience to witness how they are transforming our society from information based to knowledge based society. Further they threw light on Data Analytics that can open up a new set of knowledge which students always dreamed of in fiction



Industrial Visit to Delhi

Department Activities Photographs



“NPTEL Awareness Workshop: Role of Local Chapter” in association with NPTEL IIT Kanpur and NPTEL IIT Roorkee

2.1.12 Faculty of Management Studies

1. Department Goals

- To produce socially responsible leaders who have requisite communication, analytical, human, problem solving and decision making skills and who can contribute at different levels of management for the betterment of an organization and society as a whole.
- To develop centers of excellence in the areas of Digital marketing and Data Analytics this can provide consultancy to solve the problems of organizations and society.
- To carry out meaningful research that has potential to provide solutions to problems of common people.

2. Conferences / Seminars/ Workshops organized

Sr. No.	Title/name of the conference/ seminar organized	Convener/Coordinator	Dates
1.	FDP on data analysis using SPSS and Structured equation modeling using AMOS	Dr. Hemraj Verma	28 th Sept-2 nd Oct, 2016

3. Guest Lectures organized

Sr. No.	Name of the expert	Title of the lecture	Date
1.	Mr. Gagan Singh (CA)	Budget Analysis 2017	April 23, 2017

4. Conferences/Seminars/Workshops attended by the faculty members

Sr. No.	Name of the Faculty	Title /Name of the Conference/seminar/ workshops attended	Place	Date
1	Dr. Prakash Tiwari, Dr. Hemraj Verma, Dr. Vikas Tyagi, Neha Joshi, Dr. Vijay Jain	FDP on data analysis using SPSS and Structured equation modeling using AMOS	DIT University	28 th Sept-2 nd Oct, 2016
2	Dr. Vikas Tyagi	1 st International conference on facets of doing business in emerging markets (ICFBD 2016)	IMT Gaziabad	July 28-29, 2016
3	Dr. Vijay Jain	TRIBES 2017	Noida	14 January 2017

5. PhD guidance by the faculty members

Sr. No.	Name of Faculty	No. of students enrolled in DITU	No. of students enrolled in other Universities
1	Dr Prakash Tiwari	1	Nil
2	Dr. Hemraj Verma	2	Nil

6. Detail of PhD Candidates (full time/part time)

Sr. No.	Name of Candidate	Name of Supervisor	Proposed Research topic	Year of Enrollment	Full time/Part time	Status
1	Deepak Bangwal	Dr Prakash Tiwari	Green HRM strategies	2014	FT	Extended abstract submitted
2	Shalini Singh	Dr. Hemraj Verma	E-impulse buying behaviour	2014	FT	Extended abstract submitted
3	Vikas arya	Dr. Hemraj Verma	Brand attachment and consumer behavior	2015	FT	Work in Progress

7. Conferences session(s) chaired by the faculty members

Sr. No.	Name of Faculty	Name of Conference and session chaired	Place	Date
1	Dr. Hemraj Verma	Digital Transformation of Business in India: Opportunities and Challenges	IMS Dehradun	March 23-24, 2017

8. Faculty members who have presented research papers at International Conferences/Seminars

Sr. No.	Name of Faculty	Title of the Paper	Name of the Conference/Seminar	Place	Date
1	Dr. Vijay Jain	Make in India: Building Bridges to opportunity in Indian Economy	TRIBES 2017	Noida	14 January 2017

2	Dr. Vikas Tyagi	Alternative ways of financing infrastructure projects in India	1 st International conference on facets of doing business in emerging markets (ICFBD 2016)	IMT Gaziabad	July 28-29, 2016
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9. Industrial tours / visits

Sr. No.	Faculty Coordinator name	Place	No. of Students	Date
1	Dr. Vikas Tyagi, Dr. Vijay Jain, Ms Neha Joshi	Anil steel industries, Samachar Jagat, Jaipur	62	Nov. 9-15, 2017
2	Dr. Vikas Tyagi	Patanjali Herbal and Food park, Haridwar	65	March 17, 2017

10. Relevant photographs with caption



Corporate quiz Oct.2016 under Mgambit Club



Business Plan competition, Retail war and Wheel Of Fortune in DIT University Annual Fest held in October 2016



An expert lecture was delivered on Budget Analysis 2017



MBA 2nd year student visited Anil Steel and Samachar

by CA Gagandeep Sehdev in 23rd April 2017



A webinar of Mr. Dev Dutt Patnaik was held by Reliance Jio for MBA students in Jan10, 2017



MBA department organized a 5 days FDP on Data Analysis Using SPSS and SEM using AMOS held between 28th Sept. 2016 – 2nd Oct.2016

Jagat in Jaipur on their industrial tour in Nov. 2016.



MBA students participated in Vasantotsav 2016 in Rangoli competition on 13th August 2017



EDC organized a three days Entrepreneurship Awareness Camp (EAC) for MBA students at DIT University, Dehradun, from 17th to 19th April 2017. It was funded by DST-NIMAT

2.2 Faculty of Architecture

1. Department Goals

- To develop a clear understanding of the functional and physical requirements of a project is essential for ensuring its success.
- To know that a client's/ owner's intent to develop a project is derived from a need, a purpose or mission to obtain a desired result.
- Also to evolve the design of a facility such that it satisfies the emotional, cognitive, and cultural needs of the people who uses it and the technical requisites of the program it houses to make the project functionally successful.
- Besides, this student would be made sensitive towards the needs and means to address the challenges of exponential building activity in the hills which was one of the major causes of recent disasters in Uttarakhand and Jammu & Kashmir.
- Also, prepare the students to enter their career with confidence, collaborative and entrepreneurial qualities. Thus making them into excellent professionals but also good and emphatic human beings, who value their education and skills and take it to a level that creates Human Systems that make our world better, safe, and happier.

2. Conferences / Seminars/ Workshops organized

Sr. No.	Title/name of the conference/ seminar organized	Convener/Coordinator	Dates
1	One week Joint Studio and documentation visit with the students and faculty of KamlaRaheja College of Architecture Mumbai	Prof. Anubha Kakroo Ar. Navneel Ar. Neelima Ar. Kartik Mahon	26 th June – 1 st July 2017
2	4 Days Intensive Workshop on teaching methodology & curriculum development	Prof. Anubha Kakroo Ar. Anupam Bansal	16 th May – 19 th May 2017
3	Workshop on“Portfoliomaking” By Ar. Debeshmita	Ar. SandipSaxena	22 nd March – 23 rd March 2017
4	NCDSH 2017	Prof. Anubha Kakroo Ar. Jitendra Sarohi Ar. SandipSaxena Ar. VartikaSaxena	6 th March 2017 – 7 th March 2017
5	Workshop on Revit	Ar. SandipSaxena	Sept 2016
6	Workshop on 3DS MAX	Ar. SandipSaxena	Sept 2016

7	Workshop on Google Sketchup	Ar. SandipSaxena	Sept 2016
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3. Guest Lectures organized

Sr. No.	Name of the expert	Title of the lecture	Date
1	Sonam Wangchuk	Sustainable development in Laddakh	20 th Feb 2017
2	Prof. Ajay Khare, SPA Bhopal	Universal Design in Architecture	10 th Jan 2017
3	Prof. Rachna Khare, SPA Bhopal	Innovations in Universal Design	10 th Jan 2017

4. Conferences/Seminars/Workshops attended by the faculty members

Sr. No.	Name of the Faculty	Title /Name of the Conference/seminar/workshops attended	Place	Date
1	All Faculty	National Conference on Development Strategy for Hills	DIT University	6 th March - 7 th March 2017

5. Conferences session(s) chaired by the faculty members

Sr. No.	Name of Faculty	Name of Conference and session chaired	Place	Date
1.	Ar. SandipSaxena	National Conference on Development Strategy for Hills	DIT University	6 th March - 7 th March 2017
2.	Ar. VartikaSaxena	National Conference on Development Strategy for Hills	DIT University	6 th March - 7 th March 2017

6. Memberships/Associations of the faculty members in Professional Societies

Sr. No.	Name of Faculty	Name of Societies	Membership type
1	Prof. NehruLal	Councilof Architecture	LifeTime
2	Prof. AnubhaKakroo	Councilof Architecture	LifeTime
3	Prof. AkshayKaul	Councilof Architecture	LifeTime
4	Prof.AnupamBansal	Councilof Architecture	LifeTime
5	Asso. Jatinder Malhotra	Councilof Architecture	LifeTime

6	Asso. MagaliRastogi	Councilof Architecture	LifeTime
7	Mr. JitendraKumarSarohi	Councilof Architecture	LifeTime
8	Mr. Sandeep Mohan Saxena	Councilof Architecture	LifeTime
9	Ms. VarticaSaxena	Councilof Architecture	LifeTime
10	Mr. KapilKumar	Councilof Architecture	LifeTime
11	Mr. Akhilesh Kumar	Councilof Architecture	LifeTime
12	Mr. Ashish Pant	Councilof Architecture	LifeTime
13	Mr. Pankaj	Councilof Architecture	LifeTime
14	Mr. AnayAnand	Councilof Architecture	LifeTime
15	Ms. Mauli ShreeMishra	Councilof Architecture	LifeTime
16	Mr. AnshumanShukla	Councilof Architecture	LifeTime
17	Mr. AnilKumar	Councilof Architecture	LifeTime
18	Ms. SwatiAgarwal	Councilof Architecture	LifeTime
19	Mr. Kartik Mohan	Councilof Architecture	LifeTime
20	Ms. NeelimaYadav	Councilof Architecture	LifeTime
21	Mr. NavnilChattopadhyay	Councilof Architecture	LifeTime
22	Ms. SanaJanaid	Councilof Architecture	LifeTime
23	Ms. Purnima Verma	Councilof Architecture	LifeTime
24	Mr. RashideenSaifi	Councilof Architecture	LifeTime

7. Industrial tours / visits

Sr. No.	Faculty Coordinator name	Place	No. of Students	Date
1.	Ar. Jitendra Sarohi Ar. Purnima Varma	Bangaluru	36	24 th Jan 2017
2.	Ar. SandipSaxena Ar. VartikaSaxena	Kolkata	40	24 th Jan 2017
3.	Ar. Kartik Mahon Ar. Sana Javaid	Hyderabad	27	Jan 2017
4.	Ar. Navnil Ar. Neelima	Munshiyari	25	Dec 2016

8. Best 10 B.Arch Projects

Sr. No.	Name of Student	Guide	Title of Project
1	Vishal Dhiman	Ar. SandipSaxena	Perfume Museum
2	Lipi Jain	Ar. Kartik Mahon	Collaborative Office Space
3	AsthaNegi	Ar. SandipSaxena	Slum Rehabilitation
4	KritikaKukreti	Ar. SandipSexena	Socio Cultural Centre
5	Varun Sardana	Ar. Jitendra Sarohi	Beatles Ashram
6	SmritiRawat	Ar. Kartik Mahon	Tribal Heritage Museum
7	AnkitaMaurya	Ar. Neelima	Women Jail

8	Abdul Mohsin	Ar. Navnil	Low Cost Housing
9	Smriti Singh	Prof. Anubaha	PragatiMaidan Redevelopment
10	Saniya Guleria	Ar. Navnil	Socio Cultural Centre

9. Student achievements related to the following areas

Students clubs/Activities etc.

Students of B.Arch participated in ZONAL NASA 2016 at ManavRachna University, Faridabad.

Sports

Bhanuja Dora of B.Arch 2014-19 batch participated in Shooting Championship at state level.

Cultural activities/ literary activities

Students of B.Arch organized an exhibition of products made with waste materials on the occasion of Diwali.

Research activities

B.Arch students went to Munshiyari for a documentation trip along with the faculty members where they recorded the vernacular building practices and organized an exhibition at Faculty of Architecture.

Department Activities Photograph



Sonom Wangchuk (Phunsukh Wangdu of 3 Idiots) sitting on a sofa designed by students of Faculty of Architecture



Architecture students studying the Karunasharay project at Bangaluru



B.Arch students interacting with Ar. Vijay Narnapatti, Bangaluru



Study of Sustainable Housing Project at Bangaluru during Related Study Programme

2.3 Faculty of Pharmacy

1. Department Goals

- To provide a sound academic environment to students for a complete learning experience.
- To provide state of art technical and professional infrastructure and motivate students to realize and develop their inbuilt potentials.
- To promote professional, research and technological skills of the students in Pharmacy profession and ensure the all round development of Students.
- To produce globally competent Pharmacists to nation.
- To ignite students professional research skills during their course

2. Conferences / Seminars/ Workshops organized

Sr. No.	Title/name of the conference/ seminar organized	Convener/Coordinator	Dates
1	Schedule M requirements in Pharma Industry	Prof.(Dr.) N.V. Satheesh Madhav	10/04/2017
2	GMP, safety & USFDA requirements	Prof.(Dr.) N.V. Satheesh Madhav	11/04/2017
3	Principles & Practice of Pharma Management	Prof.(Dr.) N.V. Satheesh Madhav	15/11/2016
4	Meaning of Q.C. & Q.A. in P'ceuticals	Prof.(Dr.) N.V. Satheesh Madhav	16/11/2016

3. Guest Lectures organized

Sr. No.	Name of the expert	Title of the lecture	Date
1	Dr. Mahesh Burande, Director- IPER, Pune	Schedule M requirements in Pharma Industry	10/04/2017
2	Dr. Mahesh Burande Director- IPER, Pune	cGMP, safety & USFDA requirements	11/04/2017
3	Dr. Mahesh Burande Director- IPER, Pune	Principles & Practice of Pharma Management	15/11/2016
4	Dr. Mahesh Burande, Director- IPER, Pune	Meaning of Q.C. & Q.A. in P'ceuticals	16/11/2016

4. Conferences/Seminars/Workshops attended by the faculty members

Sr. No.	Name of the Faculty	Title /Name of the Conference/seminar/workshops attended	Place	Date
1	Dr. Bhavna	World congress on drug discovery and development	Indian Institute of Science, Bengaluru	23- 25 Nov. 2016
2	Dr. Bhavna	Potential of nanosized formulation for inhalational delivery in treatment of asthma Contemporary technologies in drug delivery and envisaged future trends on at	Geetanjali University, Udaipur	12 -13 Aug 2016
3	Dr. NV S Madhav, Mr. Vijay S. Rana, Dr. Harish Chandra, Mr. Samir Bhargava, Dr. Abhijeet Ojha, Dr. Anuj Nautiyal, Mr. Sushant kr. Gupta, Dr. Bhavna, Dr Rajeev Kumar Sharma, Dr Manmohan Singhal	Pharma marketing art, Science & profession. IPER	DIT University, Dehradun	15 Mar 2016
4	Dr Rajeev Kumar Sharma	National conferenceon Contemporary technologies in drug delivery and envisaged future trends “Synthesis of Indomethacin Tyrosine Azo Adduct for colon Targeting”	Udaipur	12-13 August 2016
5	Dr Manmohan Singhal	National conferenceon Contemporary technologies in drug delivery and envisaged future trends “Synthesis of Indomethacin Tyrosine Azo Adduct for colon Targeting”	Udaipur	12-13 August 2016

5. PhD guidance by the faculty members

Sr. No.	Name of Faculty	No. of students enrolled in DITU	No. of students enrolled in other Universities
1.	Prof.(Dr.) N.V. Satheesh Madhav	06	01
2	Dr. Bhavna	01	--

6. Detail of PhD Candidates (full time/part time)

S. No.	Name of Candidate	Name of Supervisor	Proposed Research topic	Year of Enrollment	Full time/Part time	Status
1	Ms. Deepika Raina	Prof.(Dr.) N.V. Satheesh Madhav	Design and Evaluation of Bio-Nanogel loaded with Duloxetine and Escitalopram for Brain Targeting via External Acoustic Meatus.	2013	Full Time	Thesis writing
2	Ms. Sugandha Varshney	Prof.(Dr.) N.V. Satheesh Madhav	Development and Evaluation of Bio-Flexy Films Loaded With Nanosized Topiramate And Tiagabine For Brain Specificity Via Oro Trans-Soft Palatal Route	2013	Full Time	Thesis writing
3	Ms. Kirti Singh	Prof.(Dr.) N.V. Satheesh Madhav	Formulation and evaluation of atorvastatin and fenofibrate bio-nanoformulations for nabhi drug delivery.	2014	Full Time	--
4	Ms. Vishakha Jaiswal	Prof.(Dr.) N.V. Satheesh Madhav	Development and evaluation of bio-flexy patches loaded with nanosized bromocriptine and aripiprazole for brain targeting via trans-	2014	Full Time	--

			labial mucosal membrane			
5	Ms. Yogita Tyagi	Prof.(Dr.) N.V. Satheesh Madhav	Formulation and evaluation of nanosized Selegiline and fFluvoxamine loaded bio nananosuspension for brain specificity via Ocular route	2015	Full Time	--
6	Ms. Bhavana Singh	Prof.(Dr.) N.V. Satheesh Madhav	Development and evaluation of bioflexi films loaded with nanosized Olanzapine and Risperidone for brain specificity via trans labial drug delivery system	2015	Full Time	--
7	Ms. Deepika Sharma	Dr. Bhavana	Designing targeted nanoformulations of gliptins for the treatment of Dementia	2016	Full Time	--

7. Conferences session(s) chaired by the faculty members

Sr. No.	Name of Faculty	Name of Conference and session chaired	Place	Date
1	Prof.(Dr.) N.V. Satheesh Madhav	68 th IPC 2016 LOC Member	University College of Pharmaceutical Sciences, Andhra University, Visakhapatnam,	16-18 Dec. 2016

8. Memberships/Associations of the faculty members in Professional Societies

Sr. No.	Name of Faculty	Name of Societies	Membership type
1	Prof (Dr) N V	IPA (Indian Pharmaceutical Association)	Life Member

	Satheesh Madhav	APTI(Association Of Pharmaceutical Teachers Of India)	Life Member
		PCI (Pharmacy Council of India)	Life Member
2	Mr. Vijay S. Rana	IPA (Indian Pharmaceutical Association)	Life Member
3	Dr. Rajeev kr. Sharma	APTI, (Association Of Pharmaceutical Teachers Of India)	Vice President
		IPA (Indian Pharmaceutical Association)	Life Member
		PCI (Pharmacy Council of India)	Life Member
4	Mr. Samir Bhargava	IPA (Indian Pharmaceutical Association)	Life Member
5	Dr. Harish Chandra	IPA (Indian Pharmaceutical Association)	Life Member
6	Mr. Abhijeet Ojha	IPA (Indian Pharmaceutical Association)	Life Member
7	Dr. Bhavna	IPA (Indian Pharmaceutical Association)	Life Member
		IPGA	Life Member
		IPA	Life Member
		SPER	Life Member
8	Dr. Anuj Nautiyal	IPA (Indian Pharmaceutical Association)	Life Member
9	Mr. Sushant Kr. Gupta	IPA (Indian Pharmaceutical Association)	Life Member
10	Dr. Manmohan Singhal	APTI, (Association Of Pharmaceutical Teachers Of India)	Life Member

9. Faculty members who have been delivered Guest Lectures

S. No.	Name of Faculty	Title of the Lecture	Place	Date
1	Dr. Rajeev Kumar Sharma	Recent Advances in colon Targeting drugs	IDPL, Rishikesh	29 th May 2016
2	Dr. Manmohan Singhal	Drug development and evaluation	IDPL, Rishikesh	29 th May 2016

10. Faculty members who have presented research papers at National Conferences/Seminars

Sr. No.	Name of Faculty	Title of the Paper	Name of the Conference/Seminar	Place	Date
1	Dr. Rajeev kr.	“Synthesis of	National conference	Geetanjali	12-13 th August

	Sharma	Indomethacian Tyrosine Azo Adduct for colon targeting		Institute of Pharmacy, Udaipur	2016
2	Dr. Manmohan Singhal	“Evaluation of antihyperlipidemic activity of Carthamus Tinctorius seeds”	National conference	Geetanjali Institute of Pharmacy, Udaipur	12-13 th August 2016
3	Dr. Bhavna	Potential of nanosized formulation for inhalational delivery in treatment of asthma Contemporary technologies in drug delivery and envisaged future trends on at	Geetanjali Institute of Pharmacy, Geetanjali University, Udaipur	Geetanjali Institute of Pharmacy, Udaipur	12 th -13 th Aug 2016
4	Dr. Bhavna	World congress on drug discovery and development	Indian Institute of science	Bengaluru, India	23 rd - 25 th Nov. 2016

11. Industrial tours / visits

Sr. No.	Faculty Coordinator name	Place	No. of Students	Date
1	Dr. Rajeev kr. Sharma Dr. Manmohan Singhal	Bangalore & Mysore	55	21/01/2017- 29/01/2017
2	Dr. Anuj Nautiyal	Selaqui	36	11 th Feb 2017
3	Dr. Abhijeet Ojha	Haridwar	38	18 th March 2017

12. B.Pharm Projects during 2016-17

Sr. No.	Domain	Number of Projects	Coordinator
1.	Clinical Pharmacy	10	Dr. Anuj Nautiyal
2.	Pharmaceutics		Dr. Harish Chandra

13. Best 10 B.Pharm Projects

Sr. No.	Name of Student	Guide	Title of Project
01.	Tushar Singhal	Prof.(Dr.) N.V. Satheesh Madhav	Drug prescription pattern and prescription audit for the management of autism and depression
02.	Rahul kumar	Dr. Bhavna	Design and evaluate herbal nanogel for gum infections
03.	Sandeep Tiwari	Prof.(Dr.) N.V. Satheesh Madhav	Design and evaluation of biofexin occuserts loaded with Doloxotone
04.	Deepak	Dr. Harish Chandra	Formulation and evaluation of transdermal strip loaded with clopidrogel
05.	Uma Rawat	Dr. Abhijeet Ojha	Formulation and evaluation of aceclofenac loaded ethosomes
06.	Aakanksha	Dr. Harish Chandra	Formulation and evaluation of bioocuserts loaded with propranolole
07.	Deepti Pathak	Prof.(Dr.) N.V. Satheesh Madhav	A survey on compliance of drug utilization and complications in hypertension patients
08.	Mohd. Shahrukh	Dr. Anuj Nautiyal	Survey on medication used for the treatment of arthritis in Dehradun
09.	Pragya Sharma	Prof.(Dr.) N.V. Satheesh Madhav	Therapeutic compliance and adverse reaction complications in diabetic mellitus patients
10	Sanket kumar	Dr. Manmohan Singhal	Survey on medication used for treatment of Urolithiasis in Dehradun

14. M.Pharm Projects

Sr. No.	Name of Student	Guide/Co-guide	Title of Project
01.	Kartik Goel	Prof.(Dr.) N.V. Satheesh Madhav	Design and evalaiton of nanosized fluoxetine loaded bio- nano emulgel for trans cranial drug delivery

15. Student achievements related to the following areas

Students clubs/Activities

National Pharmacy Week 2016

DIT University- Faculty of Pharmacy in association with UK IPA state branch and Aarogya club had celebrated National Pharmacy Week on 24th Nov. 2016 by distributing 100 prescription files & medi-c containers to the Doon hospital patients.

GATE/CAT/GRE/ GPAT Any other competition

Tushar Singhal, Jyoti Sharma & Ankit Uniyal

Research activities

- Design and Evaluation of Bio-Nanogel loaded with Duloxetine and Escitalopram for Brain Targeting via External Acoustic Meatus.
- Development and Evaluation of Bio-Flexy Films Loaded With Nanosized Topiramate And Tiagabine For Brain Specificity Via Oro Trans-Soft Palatal Route
- Formulation and evaluation of atorvastatin and fenofibrate bio-nanoformulations for nabhi drug delivery
- Development and evaluation of bio-flexy patches loaded with nanosized bromocriptine and aripiprazole for brain targeting via trans-labial mucosal membrane
- Formulation and evaluation of nanosized Selegiline and fFluvoxamine loaded bio nananosuspension for brain specificity via Ocular route
- Development and evaluation of bioflexi films loaded with nanosized Olanzapine and Risperidone for brain specificity via tans labial drug delivery system
- Designing targeted nanoformulaitons of gliptins for the treatment of Dementia

Department Activities Photograph



Distributing prescription file and Medi-c boxes at Doon hospital



Industrial Visit to Bangalore- Mysore



Community service at Haridwar



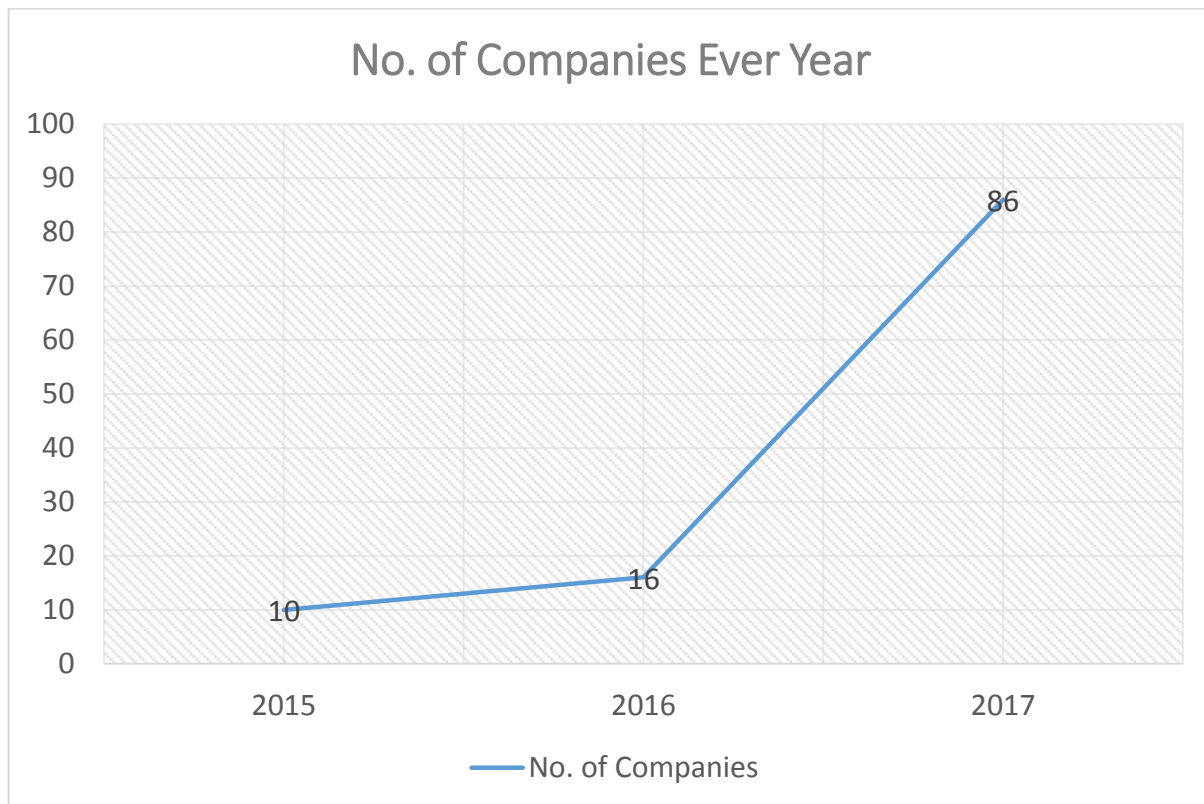
Industrial Visit to Bangalore- Mysore



3. Placement Cell

DIT University Career Services Department continued its initiatives in career development and campus recruitment activities in the year 2016-17. 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.

During the year 2016-17, the career services has successfully networked with international and national level organizations including Corporate, government departments and other institutions to arrange job opportunities for students of the University. During the period under consideration, the Placement Cell facilitated 1108 job offers for students. During the period, the Placement Cell and the departments of the university have facilitated 78 On campus and 08Off campus recruitment drives.



Campus Selections 2016-17:

Name of the Company	Number of Student Placed
ACS Corp	26
Agile Softech Pvt. Ltd.	11
Alkankit Limited	07
Amazon	11
Amazon Development India Pvt. Ltd.	02
Anchor Electricals	02
AppInventiv Technologies	03
Aptara Corporation	25
APTRON Solutions	03
Asahi India Glass Limited	02
Ashok Leyland	09
Axis Bank Limited	05
Bhasin Group	12
Brit Oil	01
Ceasefire Industries	06
Certination Solution & Services	53
CGI Information Systems	03
Click Labs Pvt. Ltd.	02
CM Excellence	03
Code Brew Labs	13
Cognizant	27

Concentrix	10
Cybertech Systems	05
Cynet Systems	20
Decathlon Sports India	10
Design O web	20
Effectual Services	01
Eninov Systems Pvt. Ltd.	04
Federation of Indian Women Entrepreneurs (FIWE)	16
Fella Homes	18
Genesys	15
Genpact	04
Glander International Bunkering	02
Global Data	08
GM Insights	08
Gold Plus Glass	08
Green Turtle	18
HCL Technologies - Infra Division	18
Hind Rectifiers Limited	03
Hitachi Systems	01
Honda Motorcycle & Scooters India Limited	02
IBM Business Partner-Headstart	01
Infosys	94
InnoData PVT LTD	21

InTouch Group	03
Ion Exchange	14
iRexx Technologies	03
Ittisha Digital Media Pvt Ltd.	15
IVY Comptech	04
Jair Networks	01
KDS Group	42
Knowledge Podium	01
Kumarsons Auto Pvt. Ltd	11
LIBSYS Limited	08
Meritnation	04
Moblize	02
Murugappa	01
NEC Technologies India Pvt. Ltd.	04
Net2sources PVT LTD	16
Netsmartz	12
OM Logistics	02
OMICS International	02
Phronesis Partners	45
Pisoft (Self-Sponsored Training)	33
Prime Focus Technologies	10
Rang Technologies	06
Rapid Infratech	02

Rate Gain	13
Reliance Industries Limited	02
Scope Telecom	8
Secure Meters Limited	13
SKF Bearings India	03
SKH Metals Division - Krishna Group	06
smartData Enterprises (I) Ltd.	05
SmartSchool Education Pvt Ltd.	06
Solar AMC India Pvt. Ltd.	01
Structures Online	03
Talent Corner	09
Talwandi Sabo Power Ltd.	01
TechSci Research Pvt. Ltd.	01
Think & Learn	22
Titan	02
Top Surveying India Pvt. Ltd.	12
Transparency Market Research	09
UGT Global PVT LTD	21
US Tech Solution	17
Vijay Electricals LTD	18
Webkul Software	01
Wipro	15 8
Yamaha Motor Solutions	02
Zydex Industries	01

4 Result Analysis

4.1 Result Analysis of Odd Semester 2016-17				
FIRST YEAR				
Programs	Total Students appeared	Students having E & F Grades	Students Clear Pass	Pass %
B.Arch	72	5	67	93.06
B.Pharm	73	28	45	61.64
BTech CSE	425	45	380	89.41
BTech CE	95	43	52	54.74
BTech IT	137	55	82	59.85
BTech ECE	73	17	56	76.71
BTech ME	172	46	126	73.26
BTech EE	35	8	27	77.14
BTech PE	93	43	50	53.76
BTech CSE-BDA	65	11	54	83.08
BTech CSE-CCV	122	27	95	77.87
BTech CSE-CSF	72	15	57	79.17
MBA	62	11	51	82.26
MBA-SCM	11	3	8	72.73
MCALE	48	8	40	83.33
M.Pharm	13	1	12	92.31
MTech ME	5	2	3	60.00
MTech ECE	4	0	4	100.00
MTech CSE	9	1	8	88.89
MTech SE	10	1	9	90.00
MTech CEM	6	1	5	83.33
SECOND YEAR				
Programs	Total Students appeared	Students having E & F Grades	Students Clear Pass	Pass %
B.Arch	59	12	47	79.66
B.Pharm	56	15	41	73.21

BTech CSE	257	24	233	90.66
BTech CE	178	48	130	73.03
BTech IT	175	26	149	85.14
BTech ECE	125	38	87	69.60
BTech ME	234	52	182	77.78
BTech EE	43	9	34	79.07
BTech PE	92	33	59	64.13
MBA	65	2	63	96.92
MCALE	49	1	48	97.96
M.Pharm	1	0	1	100.00
MTech ME	5	0	5	100.00
MTech ECE	11	1	10	90.91
MTech CSE	8	0	8	100.00
MTech SE	10	0	10	100.00
MTech CEM	0	0	0	0.00

THIRD YEAR

Programs	Total Students appeared	Students having E & F Grades	Students Clear Pass	Pass %
B.Arch	72	20	52	72.22
B.Pharm	41	6	35	85.37
BTech CSE	269	28	241	89.59
BTech CE	170	31	139	81.76
BTech IT	112	20	92	82.14
BTech ECE	155	25	130	83.87
BTech ME	200	41	159	79.50
BTech EE	98	16	82	83.67
BTech PE	72	23	49	68.06

FOURTH YEAR

Programs	Total Students appeared	Students having E & F Grades	Students Clear Pass	Pass %
B.Arch	78	0	78	100.00
B.Pharm	32	5	27	84.38

BTech CSE	219	9	210	95.89
BTech CSE- CBA	57	2	55	96.49
BTech CE	135	8	127	94.07
BTech IT	93	7	86	92.47
BTech ECE	188	41	147	78.19
BTech ME	313	18	295	94.25
BTech EE	116	32	84	72.41
BTech PE	58	10	48	82.76

4.2 Result Analysis of Even Semester 2016-17

FIRST YEAR				
Programs	Total Students appeared	Students having E & F Grades	Students Clear Pass	Pass %
B.Arch	51	26	25	49.02
B.Pharm	57	33	24	42.11
BTech CSE	355	54	301	84.79
BTech CE	72	29	43	59.72
BTech IT	109	56	53	48.62
BTech ECE	57	24	33	57.89
BTech ME	141	43	98	69.50
BTech EE	20	10	10	50.00
BTech PE	74	37	37	50.00
BTech CSE- BDA	51	13	38	74.51
BTech CSE- CCV	97	32	65	67.01
BTech CSE- CSF	55	14	41	74.55
MBA	57	17	40	70.18
MBA-SCM	10	4	6	60.00
MCALE	43	11	32	74.42
M.Pharm	10	5	5	50.00
MTech ME	5	0	5	100.00
MTech ECE	0	0	0	0.00
MTech CSE	8	1	7	87.50
MTech SE	8	0	8	100.00
MTech CEM	6	0	6	100.00
SECOND YEAR				
Programs	Total Students appeared	Students having E & F Grades	Students Clear Pass	Pass %
B.Arch	59	21	38	64.41
B.Pharm	55	25	30	54.55

BTech CSE	256	20	236	92.19
BTech CE	171	63	108	63.16
BTech IT	173	16	157	90.75
BTech ECE	125	52	73	58.40
BTech ME	226	65	161	71.24
BTech EE	42	8	34	80.95
BTech PE	90	39	51	56.67
MBA	64	6	58	90.63
MCALE	47	0	47	100.00
M.Pharm	1	0	1	100.00
MTech ME	5	0	5	100.00
MTech ECE	11	0	11	100.00
MTech CSE	8	0	8	100.00
MTech SE	10	0	10	100.00
THIRD YEAR				
Programs	Total Students appeared	Students having E & F Grades	Students Clear Pass	Pass %
B.Arch	72	21	51	70.83
B.Pharm	41	16	25	60.98
BTech CSE	335	61	274	81.79
BTech CE	170	41	129	75.88
BTech IT	112	21	91	81.25
BTech ECE	185	31	154	83.24
BTech ME	311	70	241	77.49
BTech EE	98	29	69	70.41
BTech PE	72	24	48	66.67
FOURTH YEAR				
Programs	Total Students appeared	Students having E & F Grades	Students Clear Pass	Pass %
B.Arch	80	45	35	43.75
B.Pharm	37	9	28	75.68
BTech CSE	228	8	220	96.49

BTech CSE- CBA	57	5	52	91.23
BTech CE	143	7	136	95.10
BTech IT	100	6	94	94.00
BTech ECE	228	58	170	74.56
BTech ME	331	33	298	90.03
BTech EE	148	28	120	81.08
BTech PE	68	12	56	82.35

4.3 List of Department wise Top three Students

S No.	Program	Year	Roll No.	Student Name	CGPA
1	BARCH	2nd Year	160823030	KRASHANG GIRI GOSWAMI	9.49
2	BARCH	2nd Year	160823022	RACHIT AGRAWAL	9.46
3	BARCH	2nd Year	160823003	JAYESH SINGH RAWAT	8.65
4	BARCH	3rd Year	15081001	NIKHIL AGRAWAL	9.04
5	BARCH	3rd Year	1508001083	MUKUL SINGHAL	8.81
6	BARCH	3rd Year	15081010	JIGYASA SACHDEVA	8.65
7	BARCH	4th Year	1408001019	NEHA UNIYAL	8.64
8	BARCH	4th Year	1408001005	MAYUR GARG	8.54
9	BARCH	4th Year	1408001017	BHANUJA DORA	8.47
10	BARCH	5th Year	1308001056	ROHAN OBERAI	9.11
11	BARCH	5th Year	1308001072	TANVEE GUPTA	8.90
12	BARCH	5th Year	1308001018	AYESHA SINGH	8.85
13	BPHARM	2nd Year	160921058	SWEETY .	8.94
14	BPHARM	2nd Year	160921041	AKASH KUMAR GUPTA	8.87
15	BPHARM	2nd Year	160921022	SONALI SHRAWAN KUMAR	8.31
16	BPHARM	3rd Year	15091010	AMBIKA BHATT	9.01
17	BPHARM	3rd Year	15091038	SHUBHAM RAWAT	8.98
18	BPHARM	3rd Year	1509001062	KUMAR T PRATIYUSH	8.78
19	BPHARM	4th Year	14091008	NAVEEN SINGH	9.02
20	BPHARM	4th Year	14091051	SHIVANGI BHASIN	8.76
21	BPHARM	4th Year	14091036	VIVEK KUMAR	8.67
22	BTCE	2nd Year	160101019	PRANAV S C PANDEY	9.19
23	BTCE	2nd Year	160101022	AMAN KUMAR	9.14
24	BTCE	2nd Year	160101028	AKASH AGRAWAL	8.43
25	BTCE	3rd Year	1501011086	ABHINAV JAIN	9.41
26	BTCE	3rd Year	1501011015	SAGAR GOEL	9.17
27	BTCE	3rd Year	1501011073	UDBHAV SIDDHARTH	9.08
28	BTCE	4th Year	1505011012	CHANDRA SHEKHAR DANGWAL	9.39
29	BTCE	4th Year	1401011050	FAIJAN ALI ANSARI	9.16
30	BTCE	4th Year	1401011042	KARTIK KUMAR	9.07
31	BTCSE	2nd Year	160112010	VANSHIKA AGRAWAL	9.54
32	BTCSE	2nd Year	160102350	ANIKET CHAUHAN	9.32
33	BTCSE	2nd Year	160102281	ANANYA THAPLIYAL	9.26
34	BTCSE	2nd Year	160102262	VAISHALI CHAUHAN	9.26
35	BTCSE	3rd Year	1501021035	PRABHJEET SINGH ARORA	9.56
36	BTCSE	3rd Year	1503021012	ADITI .	9.55
37	BTCSE	3rd Year	1501021266	SHASHI TOMAR	9.38
38	BTCSE	4th Year	1401021306	KANCHAN . .	9.40
39	BTCSE	4th Year	1401021297	SIDDHARTHA JHA	9.17

40	BTCSE	4th Year	1401061190	SHIVAM VERMA	9.03
41	BTECE	2nd Year	160112009	INGEET DAS	8.17
42	BTECE	2nd Year	160103027	PRAGATI TYAGI	8.01
43	BTECE	2nd Year	160103016	ABHISHREY SINGH RAWAT	7.70
44	BTECE	3rd Year	160103900	DEEPAK SINGH JETHI	9.03
45	BTECE	3rd Year	1501031203	DIVYA PAL	8.60
46	BTECE	3rd Year	1501031032	SNEHA RANI	8.60
47	BTECE	3rd Year	1501031119	SHIVANI GUPTA	8.58
48	BTECE	4th Year	1403031030	SURYA MOHAN	9.15
49	BTECE	4th Year	1401031023	VAIBHAV .	9.14
50	BTECE	4th Year	1401031029	SACHIN KASHNYAL	9.09
51	BTEE	2nd Year	160104009	BHANU PRAKASH JOSHI	9.09
52	BTEE	2nd Year	160104003	AYUSH CHAUHAN	7.75
53	BTEE	2nd Year	160104010	CHE TAN PANDEY	7.34
54	BTEE	3rd Year	1501041067	KIRAN NEGI	9.47
55	BTEE	3rd Year	1501041007	ADARSH MAKHOLIA	9.47
56	BTEE	3rd Year	1501041023	SHIVANI BAKHETIA	8.24
57	BTEE	3rd Year	1501041030	RAGHAV CHATURVEDI	8.21
58	BTEE	4th Year	1401041122	PUSHYAMITRA .	9.02
59	BTEE	4th Year	1401041007	SATYAM KUMAR GOSAIN	8.99
60	BTEE	4th Year	1401041092	HIMANI LOHANI	8.91
61	BTIT	2nd Year	160105066	SURAJ KALRA	8.49
62	BTIT	2nd Year	160105107	GAURAV SINGH	8.21
63	BTIT	2nd Year	160105081	SHIVANGI SHARMA	8.21
64	BTIT	2nd Year	160105105	TANIYA SINHA	8.11
65	BTIT	3rd Year	1501051196	ISHITA PANWAR	8.59
66	BTIT	3rd Year	1501061010	VINAY PRATAP SINGH	8.34
67	BTIT	3rd Year	1501051066	NIDHI KUMARI	8.34
68	BTIT	3rd Year	1501051106	KUNDAN KUMAR	8.32
69	BTIT	4th Year	1401051024	HARSH GUPTA	8.49
70	BTIT	4th Year	1401051002	NEELABH VERMA	8.26
71	BTIT	4th Year	1401051021	NIDHI RAWAT	8.19
72	BTME	2nd Year	160106060	AYUSH TIWARI	9.13
73	BTME	2nd Year	160106034	ABHINAV SINGH RAUTHAN	8.88
74	BTME	2nd Year	160106048	AMIT KUMAR YADAV	8.78
75	BTME	3rd Year	1501061088	ABHISHEK AGARWAL	9.08
76	BTME	3rd Year	1501061026	AYUSH SRIVASTAVA	9.00
77	BTME	3rd Year	1501061047	ANUBHAV CHAUHAN	8.89
78	BTME	4th Year	1401061211	SHIVAM KUMAR RUNGTA	9.31
79	BTME	4th Year	1401061071	GUNJIT AGRAWAL	9.04
80	BTME	4th Year	1401061029	PANKAJ UPADHYAY	8.99
81	BTPE	2nd Year	160107060	PRANALI M RANE	9.36
82	BTPE	2nd Year	160107072	MOHD ADEEB KHAN	8.76
83	BTPE	2nd Year	160107036	SAHIL CHAUDHARY	8.49
84	BTPE	3rd Year	1501071114	ANAND KOTHARI	9.77

85	BTPE	3rd Year	1501071083	JATIN BANSAL	8.31
86	BTPE	3rd Year	1501071034	SANGRAM SINGH	8.22
87	BTPE	4th Year	1401071074	SIDDHARTHA GUPTA	9.36
88	BTPE	4th Year	1401071005	SHRAVISHTHA JUYAL	9.19
89	BTPE	4th Year	1505071002	AMARINDER SINGH RAINA	9.07
90	MBA	2nd Year	165222027	SHIVAM CHATURVEDI	9.79
91	MBA	2nd Year	165222017	DIPTI TRIPATHI	9.44
92	MBA	2nd Year	165222014	PRATEEK BHATIA	8.73
93	MCALE	3rd Year	165339906	SADAF HASAN	9.73
94	MCALE	3rd Year	165339905	SHUBHAM SHARMA	9.21
95	MCALE	3rd Year	165339910	PRARTHNA BAHUGUNA	9.03