



ANNUAL REPORT 2015-16

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VISION

To be a world class professional University, constantly striving for excellence in education, research & technical services and develop competent, ethically & morally strong leaders for industry & society.

MISSION

- ✧ Imparting quality education of global standards.
- ✧ Inculcating global perspective in attitude and developing a habit of lifelong learning.
- ✧ Promoting human values, ethics and healthy practices in professionalism.
- ✧ Encourage creative ability and research temperament.
- ✧ Provide knowledge based technological services.
- ✧ Synergize the teaching-learning process through active interaction with industry, academia & other sectors.
- ✧ Total Focus on holistic education of students by which character is formed, strength of mind is increased and intellect is expanded.

Foreword from the Vice Chancellor

It gives me immense pleasure in bringing out of Annual Report 2015-16 of DIT University, Dehradun a premier Institution in the Northern Indian state of Uttarakhand, which has contributed 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 and Management. (B.Tech) in 6 specialization viz 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, Wireless and Mobile Communication, Pharmacy (M. Pharm) and Ph.D. in all specializations in the hallmark of the University. Our Students made us proud by winning laurels for 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. Faculty have published over 50 Research papers in peer review journals and above 60 in International/National conferences etc. 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 conference in USA, United Kingdom, China, etc. Faculty under taken several Major R&D projects which have 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 DIT University 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 and 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 2015-16 significant in all respects.

Jai Hind

(K.K. Raina)

PREFACE

It is our great pleasure to present the 3rd Annual Report of DIT University for the session 2015-16. The report consists of information about the general resources of the University including departments, stakeholders and notable activities during the said period.

The academic year 2015-2016 was instrumental in the growth history of DIT University. An increase in number and quality of faculty in strategically important academic areas has been helpful in the all-round growth of the University. The frequency and spectrum of academic events including workshops, seminars, guest lectures have increased which registered a steady rise in the number of publications, projects undertaken and scientific presentations. It is a trend that will certainly accelerate our research output which helps to transform the University to a fully developed research based academic system.

DIT University maintained a strong socio-cultural environment with the help of clubs, exhibitions and other similar activities to provide holistic education to the students.

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 Mechanical Engineering
Dr. Partha Sarthi Mondal	Assistant Professor, Department of Physics
Dr. Santosh Kumar	Assistant Professor, Department of Electronics and Communication Engineering
Ms. Anugrah R. Lall	Assistant Professor, Department of Humanities

The report highlights the improvements and achievements in academic and co-curricular activities during the academic session 2015-16.

We are thankful to all the Directors, Deans, Departmental Heads, Registrar, Training and Placement Cell for their support and cooperation. Our special thanks to the Vice Chancellor for his encouragement during the course of preparation of this report.

Dr. Ritika
Chairperson
DIT UNIVERSITY
Annual Report 2015-16

DIT University Glimpse

At the very outset it is worthwhile to mention that the DIT University takes a leap in a short span of time to secure a stellar ranking in the most recent list of rankings released by reputed survey agencies. This is an accolade to the inherent strengths in the systems of the University and reflects the competence of our students, faculty, administrative and supporting staffs and infrastructure. Several new programs have been introduced to live up to the expectations of industries and corporate houses from the Academic Session 2015-2016. The syllabi of several courses are fine tuned in order to help our students to match with the frequency of the recent technological upgradations.

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 : 1232
- ② Post Graduate Program : 151
- ③ Doctoral Program : 8

The University appointed 81 faculty members with a blend of senior and fresh yet highly qualified faculty members from IITs, NITs and other renowned institutions during the academic session 2015-16.

During the period under report, faculty members of the University have been granted 15 sponsored research projects with a grant of Rs. 34 Lakhs to initiate the nucleation of research in different thrust areas of science and technology. As a primary outcome of the valuable research work carried out by faculty members, a total of 35 articles were published in reputed Journals, 39 research papers presented in International Conferences and Seminars and 24 research papers were presented in National Conferences and Seminars.

To embrace the cutting edge technologies and scientific innovations, a series of 38 Guest Lectures and 55 Conferences, Seminars and Workshops have been organized by various departments of the University in the said period. The University has taken a step forward towards the establishment of the NPTEL (National Programme on Technology Enhanced Learning) local Chapter to provide students of the University an additional learning resource.

DIT University is amongst the few academic institutions in India which is now fully managed by ERP System on SAP. One of the important modules of ERP system, SLCM (Student Lifecycle Management) has been implemented here to maintain the entire student's database.

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, 19 new laboratories have been commissioned in various departments of the University in the said period.

The Training and Placement Cell of the University achieved noticeable success in helping the students to reach their avenues. A total of 506 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 old students 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. Recently an Annual General Body Meeting has been organized on 23rd April, 2016 to connect with the local DIT community working in United Kingdom.

1. Central Activities

1.1 Admissions 2016-17

Admission counseling process began in June, 2016 and was successfully completed in various stages by the end of July. The Academic Session 2016-17 will commence in the month of August, 2016. The total number of applicants for B.Tech, M.Tech, B.Pharm, M.Pharm, B.Arch, MCA, MBA and PhD programs were about 5000. A total of 1232 students were enrolled in the undergraduate programmes during counseling on 05th June and 26th June 2016: 1121 in B.Tech, 51 in B.Arch and 60 in B.Pharm. The University also enrolled 151 students in the postgraduate programmes and 08 students in doctoral programmes during the counselling held on 05th June 2016. The classes for the new session will commence from 02nd August, 2016.



Counseling for 2016 new session

1.2 Statutory Bodies Meetings

Statutory Bodies meetings are conducted on regular basis at DIT University campus to ensure smooth functioning of the University. The meetings held during the period of 1st July, 2015 to 30th June, 2016 are mentioned below.

S No.	Meeting	Date	Chaired by	Remarks/Agenda
1	III Meeting of Board of Governors	23 rd Jan, 2016	Shri Anuj Aggarwal, Chairman, DIT University	<ul style="list-style-type: none">– Academic, administrative, infrastructure reforms– Reconstitution of statutory bodies– Annual report 2014-15– Discontinuation of 5-year integrated programs– New programs for academic session 2016-17– Admissions for academic session 2016-17– Scholarship policy for academic session 2016-17

2	III Meeting of Board of Management	19 th Dec, 2016	Dr. K K Raina, Vice Chancellor, DIT University	<ul style="list-style-type: none"> – Process of monitoring training of students – Registration of part-time scholars – Submission of interdisciplinary projects – New PG courses from academic session 2015-16
3	IV Meeting of Academic Council	15 th Sep, 2015	Dr. K K Raina, Vice Chancellor, DIT University	<ul style="list-style-type: none"> – Training and project monitoring – Method of preparing relative grades – Evaluation of PG and PhD thesis – Approval of recommendations of BOS – Approval of amendments in the Academic Ordinances 2014
4	IV Meeting of Board of Examinations	07 th Sep, 2015	Dr. K K Raina, Vice Chancellor, DIT University	<ul style="list-style-type: none"> – Result analysis of even semester – Preparation for first mid-term examination – Action taken in unfair means cases – Format of semester grade card and degree certificate – Measures to strengthen examination process
5	V Meeting of Board of Examinations	11 th May, 2016	Dr. K K Raina, Vice Chancellor, DIT University	<ul style="list-style-type: none"> – Proposal for conducting only one mid-term exam – evaluation scheme in the new pattern – Improvements in ongoing examinations – Examination process for debar students – Summer-term exam and back papers – NPTY/NPFY – Problems and correction in results
6	IV Meeting of Board of Research	8 th Jun, 2016	Dr. K K Raina, Vice Chancellor, DIT University	<ul style="list-style-type: none"> – Discussion on Research status of the departments. – Progress on Ongoing Research Projects, Testing and Consultancy Work
7	IV Meeting of UG / PG Academic Committee	17 th Feb, 2016	Prof. Shishir Kumar, Director AA, DIT University	<ul style="list-style-type: none"> – How to make the content interesting to the students – Strengthening of academic activities
8	V Meeting of UG / PG Academic Committee	30 th Mar, 2016	Prof. Shishir Kumar, Director AA, DIT University	<ul style="list-style-type: none"> – New programs to be introduced in the session 2016-17 – List of debar students for 2nd mid-term examination

9	VI Meeting of UG / PG Academic Committee	21 st Apr, 2016	Prof. Shishir Kumar, Director AA, DIT University	– List of debar students for end-term examination
10	III Meeting of Finance Committee	24 th Oct, 2015	Dr. K K Raina, Vice Chancellor, DIT University	– Interim annual budget estimate of University – Fee structure for academic session 2015-16
11	II Meeting of Planning & Monitoring Board	30 th Nov, 2015	Dr. K K Raina, Vice Chancellor, DIT University	– Holding International and National conferences – Seed money for research projects
12	II Meeting of Internal Quality Assurance Cell (IQAC)	29 th Oct, 2016	Dr. K K Raina, Vice Chancellor, DIT University	– Review the status of research grants applied – Review the status of research grants applied – Constitute and approve community service and environment awareness cell – To review and approve the best research project, best consultancy and best faculty award
13	III Meeting of Internal Quality Assurance Cell (IQAC)	25 th Feb, 2016	Dr. K K Raina, Vice Chancellor, DIT University	– Review of faculty feedback report – Budget for community service
14	II Meeting of Placement Council	14 th May, 2016	Dr. K K Raina, Vice Chancellor, DIT University	– Placement status of 2015 batch – List of students proceeded on training
15	III Meeting of Placement Council	16 th Jan, 2016	Dr. K K Raina, Vice Chancellor, DIT University	– Share activity chart – List of students going for six month internship – Alumni network should be expanded – Need of establishing a Student Counseling Cell

1.3 Corporate Social Responsibilities

Following activities were organized to fulfill the corporate social responsibilities of DIT University

1.3.1. National Youth Day

153rd birth anniversary of Swami Vivekananda is observed as National Youth Day in India and was celebrated in the University on 12th January, 2016. An essay writing competition and debate

competition were organized in honor of the great visionary. University dignitaries including Vice Chancellor, Pro-Vice Chancellor, Directors and Deans graced the occasion.

1.3.2 DIT University at Youth conclave-2016

A large number of students from DIT University participated in the ‘Youth Conclave-2016’ organized under the ‘Say No to Drugs Campaign’ held at the Police Lines on 17th February, 2016. The Chief Minister, Shri Harish Rawat launched a mobile phone application “No Drugs” at the function and administered an oath to over 1,000 students against drugs addiction.



Chief Minister Shri Harish Rawat at Youth Conclave-2016



DIT UNIVERSITY Students at Youth Conclave-2016

1.3.3 Safety First

DIT University in association with Max Hospital, Dehradun celebrated International Injury Prevention Week at Mussoorie Diversion Road. Prof. (Col) Shishir Kumar, Director Academic Administration along with SSP Traffic and senior management of Max Hospital gave away ISI accredited helmets to students and other riders ensuring safe riding.

1.3.4 Blood Donation Camp

A Blood Donation Camp was organized by Red Ribbon Club in collaboration with IMA Blood Bank and Mahant Indresh Hospital’s Blood bank on 12th to 14th March, 2016 at DIT University campus. On this occasion, Vice Chancellor, Pro Vice Chancellor, Director Academic Administration and all the Head of Department were present. This was followed by donation of

considerable units of blood by over 100 students and teachers, who actively came forward in support of this noble cause.

1.3.5 World Cancer Day

World Cancer Day was observed in DIT University on 04th February, 2016 wherein students and faculty members pledged support to fight for the eradication of Cancer. Dr. Vimal Pandita, Medical Oncologist from Max Hospital Dehradun addressed the gathering and shared knowledge regarding cancer its possible causes.



Pledged to fight against Cancer

1.3.6 Group Meditation and CSR

The Counseling Cell of DIT University organized a Group Meditation on 19th March, 2016 in honor of Grand Master Choa Kok Sui, Founder of Advance Pranic Healing and Modern Arhatic Yoga on his 9th Maha Samadhi under the guidance of the Students' Counselor Ms. Monica Nakra. The meditation focused on serenity, love, kindness and healing the mother earth. Also as a part of the event in association with 'Food for the Hungry Foundation', the students distributed food to 150 hungry people in various places of Dehradun such as the Sai Temple, Astley Hall, Parade Ground, Bindal Bridge etc.



Group Meditation by DIT University Students

1.3.7 International Yoga Day

International Yoga Day was celebrated on 21st June, 2016 in the lawns of DIT University and it witnessed enthusiastic participation by one and all.



International Yoga Day celebration by DIT University Staff

1.3.8 Bharatnatyam Recital by Padma Shri Geeta Chandran ji

DIT University in association with the Society for the Promotion of Indian Classical Music and Culture Amongst Youth (SPIC MACAY) hosted a Bharatanatyam recital by renowned Padma Shri Geeta Chandran Ji on 29th March, 2016 at DIT University. The two hours long performance by the artist mesmerized the audience.



SPIC MACAY team hosted a Bharatanatyam recital

1.3.9 Entrepreneurship Activities

DIT University funded several Entrepreneur Development Cell activities in the academic session 2015-2016. EDC gets supports from various government agencies to conduct several EDC

Programmes and other activities. Notably, the cell got the support from the Department of Science of Technology (India) for conducting "EACs" and UCOST (Uttarakhand) for developing Micro Turbine. Total funding was more than Rs. 5 Lacs. The EDC programs and other activities conducted by DIT University in the last academic session are listed below.

- ✧ Under CSR, "**ESDP on Coral Draw and Screen Printing**" was held from 21st to 25th Aug, 2015. Nearly 25 local unemployed youths participated and benefited.
- ✧ Under CSR, "**ESDP on Turning**" was held from 28th to 30th Sept, 2015 at DIT University in which 25 local unemployed youth participated and benefited.
- ✧ DIT University and **IIT**, Kharagpur jointly organized "**EAD**" program on 10th Oct, 2015. More than 600 students participated from various colleges.
- ✧ A large number of engineering students from DIT University participated in a self-funded program "**Solid Works**" held on 17th Oct, 2015.
- ✧ B.Tech students from DIT University participated in a self-funded program "**Ansys**" held on 21st Nov, 2015.
- ✧ A "**Faculty Development Program**" on "**Industrial Machine Design**" was held from 17th to 19th Dec, 2015 in which 25 Engineering faculty members and students participated.
- ✧ FESTO organized Exhibition on Wheels – **The Expotainer** at DIT University on 19th Jan, 2016. Engineering students mainly from Mechanical, Electronic and Electrical branches showed keen interest.
- ✧ A DST, India funded "**EAC**" program was organized by DIT University from 06th to 09th Feb, 2016, where 85 students participated and benefited.
- ✧ A MSME **Incubation Awareness Programme** was organized at DIT University on 16th Feb, 2016 where 45 students participated.
- ✧ A DST, India funded "**EAC**" program was organized by DIT University from 03rd to 08th March, 2016 where 86 students participated.
- ✧ A DST, India funded "**EAC**" program was organized by DIT University from 07th to 12th April, 2016 where 108 students participated.
- ✧ "**Faculty Development Program**" on **Entrepreneurship** was organized jointly with TBI-KIET Ghaziabad at DIT University from 30th May to 10th June, 2016 which was attended by 25 faculty members.
- ✧ Exhibited **Formula Style Car DM-XVI** in Auto Arcade at Pacific Mall, Dehradun from 17th to 19th June, 2016, organized by MINT.
- ✧ Developing Prestigious Micro Turbine-Pump-Electricity Generator, funded by UCOST. This will supply water and electricity to remote hills of Uttarakhand.
- ✧ B.Tech students designed and developed "**Formula Style Car DM-XVI**". They participated in FORMULA STUDENT INDIA, an International event, in Jan, 2016, held at Buddha International circuit Greater Noida and secured fourth position in the Endurance event.



Inauguration Ceremony of FDP on entrepreneurship on 30th May 2016 (2 Weeks Programme) organized jointly with TBI-KIET



"EAD" Program jointly with IIT(Kharagpur.) on 10th Oct. 2015



MSME Incubation Awareness Programme on 16th Feb. 2016



Display of Formula Style Car DM-XVI in Auto Arcade at Pacific Mall, Dehradun from 17th to 19th June 2016.

1.4 Academic Resources

1.4.1 Learning Resource Centre- 'Veda'

The Learning Resource Centre is the hub for the library and information services in the University. With the fast growing collection, both in digital and print forms using the state-of-the-art facilities, the Resource Centre is contributing to the University's mission of becoming a world class University in the areas of technology, management and related subjects. Besides Central Library, every academic department/centre has its own departmental library which contains the core collection required by the concerned department/centre.



Central Library

● Highlights

- ✧ Subscription to over 200 national/international print copies, electronic research journals and 22 magazines.
- ✧ Forty eight networked Apple Macs in the Digital Library section.
- ✧ Total Number of Books more than one lakh
- ✧ Book Bank Section having approximately 70,000 books and the central library distributed to all the students approximately seven books per semester per student.
- ✧ Database of over 2000 volumes accessible through Online Public Access Catalogue search facility.
- ✧ CD Bank comprising over 1,000 CD-ROMS of books & learning resources.
- ✧ Huge collection of electronic periodicals (e-resources) i.e. IEEE, EBSCO, ASME, ASCE, Greener etc.
- ✧ 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 and the like.
- ✧ 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.

- ✧ The Resource Centre operations and services are fully computerized using Libsys software. Opac of the holdings is available 24×7 for online access through the web.
- ✧ Time to Time University Library is organizing motivational Lecture for students at Library audio visual Room
- ✧ Central Library has organized two Training programme for Library Readers on E database.
- ✧ Inter Library Loan services have been started with IIP Dehradun and DELNET.

Book Exhibition

Knowledge Resources Centre of DIT University ‘Veda’ conducted 2nd Book Exhibition on 9th April, 2016 at the Vedanta Building. Nearly 15th national level publishers’ viz. Mc Graw Hill, Cambridge University Press, CBS, Prentice Hall, S Chand, Thomson Learning etc. participated in this exhibition.

Books on Engineering, Management Architecture and Pharmacy were displayed. The objective of this Book Exhibition was to provide single platform for the publishers to display latest edition on various subjects and to enable all our faculty fraternity and students to select and recommend appropriate books for enriching the DIT University Library.



The Book Exhibition was inaugurated Vice Chancellor, DIT University with Chief Librarian.

1.4.2 NPTEL Chapter at DIT University

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 lectures and they 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, Associate

Professor, Faculty of Computer Applications is nominated as SPOC of NPTEL DIT University Chapter.

NPTEL offers three types of courses with the duration of 10 hrs, 20 hrs and 40 hrs through the online portal. The University recommended 521 students for availing the Aricent CSR scholarship for NPTEL Online Certification examination held on 20th and 27th March, 2016. DIT University Local Chapter received bronze memento at IIT Kanpur for Active Chapter on 11th June, 2016. Dr. Ritika received appreciation certificate for instrumental role as SPOC, NPTEL DIT Chapter from the coordinator of NPTEL, IIT Madras for the session 2015-16.

1.4.3 Research and Development Resources

In-House Funded Project during 2015-16:

Following DIT University funded projects have been undertaken by various departments:

S. No.	Investigator(s)	Department	Title	Money Sanctioned (INR in Lakhs)
01.	Dr. D.N. Tripathi	Chemistry	Removal of some Divalent Cations from Water Using Polysaccharide Grafted Copolymers	1
02.	Mr. Vimal Kant Pandey	ECE	Study & Design of Low Power Circuits for Cognitive Radio	6
03.	Mr. Samir Bhargava	Pharmacy	Isolation and screening of Bio-active compounds	0.15
04.	Dr. Sonika Singh, Mr. Saurabh Mishra & Dr. Gagan Singh	ECE and EE	GSM/3G/HSPA Drive Test and Optimization	6
05.	Mr. Tarun Sharma & Dr. Sandeep Sharma	ECE	Hybrid Plasmonic waveguide based Coupler for Optical Interconnect	2.6
06.	Dr. Sandeep Sharma & Mr. Palas Devangan	ECE and ME	Programmable Robotic Farm Help for Automatic Plant Disease Detection and Eradication	0.5
07.	Mr. Rajeev Pandey	ME	Experimental Investigation on Heat Transfer and Fluid flow characteristic through Rectangular channel having Blockages with elongated openings	2.61

08.	Gaurav Prakash Srivastava	ME	Experimental Investigation of Heat Transfer and pressure drop in a circular tube with perforated conical inserts	2.52
09	Ravi Kumar	ME	An Experimental Investigation of Heat Penetration in large size spherical element at high temperature for sensible heat thermal energy storage system	2.15
10	Bipin Kumar	IPE	Experimental Investigation of Heat Transfer and Fluid flow characteristics of Circular Tube with Perforated twisted tape Inserts	2
11	Dr. Rama Sushil, Pradeep Singh Rawat & Garima Verma	IT	Computer literacy in rural area (Purola block, Uttarkashi)	1.25
12	Dr. Srabanti Maji	CSE	Prediction of Splice site by using principle component analysis and case based reasoning with support vector machine	1.7
13	Mr. Pankaj Singh Chandel	ME	Interlaminar Fracture Toughness in Composites	2.5
14	Dr. Ravi K. Shukla	Physics	Liquid Crystalline Gel Phases as Electrolyte	1.5
15	Dr. Parveen Kumar	Physics	Synthesis and Characterization of Magneto-electric Composites with 2-2 type Connectivity	1.7
Grand Total				34.18

1.4.4 Conferences/Workshops

❖ International Conference on “Recent Trends in Emerging Technologies” (RTET-2015):

SPIE and OSA Chapter, Department of Electronics and Communication Engineering, DIT University organized a conference on “Recent Trends in Emerging Technologies (RTET-2015)” from 19th to 20th December, 2015.

The seminar was inaugurated by Chief Guest Dr. SS Negi, Director IRDE, Dr. R. C. Goel, Chancellor, DIT University, Prof. K.K. Raina, Vice-Chancellor, DIT University, Prof. Shishir Kumar, Director Academics Administration, DIT University, Prof. Sandeep Sharma, Convenor (RTET-2015). Eminent speakers of conference were Dr. SS Negi, Director IRDE, Dr. B. K.

Kaushik, IIT Roorkee, Prof. Satendra Kumar, Kent State University, USA, Dr. Radislav A. Potyrailo, GE Global Research Center, USA, Dr. Nan-Kuang Chen, NUU, Taiwan, Dr. S. K. Raghuwanshi, ISM Dhanbad, Dr. Mukesh Kumar, Thapar University, Patiala.



Photographs with Dignitaries of RTET-2015 conference during Dec. 19th to 20th 2015



Talk of Dr. SS Negi, Director IRDE, DRDO during RTET-2015 conference

❖ National Conference on “Recent Technological Developments in Mechanical Engineering”

Department of Mechanical Engineering organized a two day National Conference on “Recent Technological Developments in Mechanical Engineering” on 22nd and 23rd January, 2016. It was sponsored by Department of Science and Technology, New Delhi and UCOST, Dehradun. Prof. P.K. Garg, Vice Chancellor, Uttarakhand Technical University, Dehradun was the Chief Guest for the conference. Guest speaker was Dr. S.C Sharma, Professor, IIT Roorkee. The event witnessed participation from many renowned academicians, researchers and students from across the country who presented their research papers and shared knowledge and experience in different domains of Mechanical Engineering.



Dignitaries of conference during Jan. 22nd to 23rd 2016

❖ National Conference on “Mathematical and Statistical Techniques and their applications to Science and Engineering (MSTASE-2015)”

The 31st Annual Conference of the Mathematical Society-Banaras Hindu University on, “Mathematical and Statistical Techniques and their Applications to Science and Engineering (MSTASE-2015)” was organized by the Department of Mathematics during 20th to 21st November, 2015. The response was overwhelming. Prominent Mathematician Prof. P. G. Siddheshwar (Bangalore University), Prof. Rama Bhargava (IIT Roorkee), Prof. Shiv Datt (MNNIT Allahabad), Prof. G.P. Kapoor (IIT Kanpur), Prof. A. K. Singh (President of MS – BHU) and Prof. B. S. Bhadauria (Secretary of MS – BHU) gave lectures on new emerging areas of Mathematics and Statistics



Conference on “Mathematical and Statistical Techniques and their applications to Science and Engineering (MSTASE-2015)

❖ Two day conference cum workshop on “Role of Intellectual Property in Pharmaceutical Industries”

Faculty of Pharmacy in a joint venture with Indian Institute of Patent & Trademark, New Delhi organized a two day conference cum workshop on Role of Intellectual Property in Pharmaceutical Industries on 4th and 5th February, 2016. The conference was attended by B.Pharm, M.Pharm and Ph.D. students.

❖ Seminar on “Design Software for Photonics”

SPIE & OSA Chapter, DIT University organized a seminar on “Design Software for Photonics” on 21st Nov, 2015. A seminar has been inaugurated by Prof. K.K. Raina, Vice-Chancellor, Prof. Shishir Kumar, Director Academics Administration, Prof. Sandeep Sharma, HOD, ECE. The seminar was coordinated by Dr. Santosh Kumar, Faculty Advisor, OSA and SPIE Chapter, DIT

University. Prof. M. P. Kothiyal, IIT Madras delivered a talk on “**Light and its Applications: Some Landmark Developments**”. Dr. Philip Weetman (Research Scientist at Optiwave, Ontario, Canada) delivered a talk on “**Photonics Simulation Software for Modelling Space Division Multiplexing**”. More than 150 students participated in this Seminar.



Participants and Speaker of Seminar on “Design Software on Photonics”

✧ **Workshop on “Robotics and its Applications”**

Department of Computer Applications organized a one day Workshop on “Robotics and its Applications” on Friday 21st August, 2015. Mr. Ratnadiya Tiwari from Ducat, Noida gave hands on experience on Robotics Applications and Industrial Utilization, Role of Microcontrollers in Robotics, Introduction to many sensor used in ROBOTICS, Programming Language to control robots. Nearly 400 students from MCA/CSE/IT attended the workshop. The participants were awarded certificates by Ducat Officials.

✧ **Workshop on “Ethical Hacking and Data Analytics”**

Information Technology Department, DIT University organized a one day workshop on “Ethical Hacking and Data Analytics” on 2nd March, 2016. The workshop was conducted by Dr. Gaurav Kumar, Managing Director, Magma Research and Consultancy Pvt. Ltd., Ambala.

✧ **Car Overhaul Workshop**

The “Vehicle Overhauling Workshop” was conducted at DIT University from 5th to 7th February, 2016. Students from numerous institutes of Dehradun participated in the workshop. This

program was conceptualized to impart industrial knowledge to students regarding automobile components, their functions and assembly.



Participants of vehicle overhauling workshop

❖ **Photonics meet 2015**

Photonics meet 2015 was organized by OSA and SPIE Chapter, ECE Department in support of International Year of light – 2015 on Dec. 20th, 2015. The International year of light and light based technologies is a global initiative that will highlight to the citizens of the world the importance of light in optical technologies, in their lives, for their futures and for the development of societies.



Participants of Photonics meet



Photonics meet 2015 organized by OSA and SPIE

❖ **Cloud Security Alliance International information security Summit 2016**

Cloud Security Alliance International Information Security Summit 2016 was organized by the Department of Information Technology on 10th April, 2016 for the first time in Dehradun. Experts in Ethical Hacking and Security from four countries India, Dubai, Israel and Pakistan

have presented their research work. Cloud Security Alliance was formed in 2008 as a coalition by individuals who use cloud computing. Its initial work product “Security guidance for critical area of focus in cloud computing” was put together in wiki style, by dozens of volunteers.



Organizing team of cloud security alliance

❖ **Workshop on “Cloud Computing” by IBM**

Department of Computer Applications organized a workshop on “Cloud Computing” on 4th September, 2015 by IBM, for the students of MCA, CSE and IT. Guest Speaker Dr. Mayank Aggarwal, GKV, Haridwar (IBM Cloud Advisor) and Mr. Nishant, GKV, Haridwar provided hands-on experience to students to develop mini project on Blue-mix (IBM cloud). The participants were awarded certificates by IBM.

❖ **IPER Seminar**

Faculty of Pharmacy of DIT University organized a two day seminar on “Good Manufacturing Practice in Pharma Industry” and “Pharma marketing: Art Science and Profession” on 14th and 15th March, 2016 for B. Pharma and M. Pharma students. Seminar was conducted by Dr. Mahesh D. Burandae, Director, IPER (Institute of Pharmaceutical Education and Research), Pune and created awareness and importance of CGMP (Current Good Manufacturing Practice) in pharmaceutical industries to produce quality medicines for effective therapeutic action.



Dr. Mahesh D. Burandae, Director, IPER with Director, Pharmacy

❖ **Two Day Workshop on Soft Skills**

Department of Humanities and Social Sciences conducted a two day workshop on Soft Skills for the administrative staff of the University on 17th and 18th May, 2016. The workshop was conducted by Ms. Pramod Rai, Asstt. Professor, Department of Humanities and Social Sciences to highlight the importance of soft skills in building a healthy and effective organizational culture.

❖ **One Week Workshop on “Excel, Power Point & Word Processing**

Department of Computer Applications and Information Technology Organized One Week Workshop on “Excel, Power Point and Word Processor” from 16th to 21st May, 2016 for the Administrative and Technical Human Resource available in DIT University at Web Technology Lab, Vedanta building DIT University. Workshop has imparted training in Word Processing, Windows, Excel and Power Point to enhance the skills for multi- tasking job.

1.5 Events

❖ **Freshers’ Party 2015**

DIT University organized a splendid Fresher’s welcome party for the batch of 2015-2019 on 29th August, 2015. Lively and cultural show comprising of dances, melodies and truly energetic choreography was at display. Title of Mr. and Ms. Fresher were given from each branch. Every fresher was infused with a feeling of pride and enthusiasm.

❖ **Hybrido’16**

Hybrido’ the final phase of the ecstatic Challengo’ 16 was organized in DIT University. Being the flagship competition of Personality Development Club the event was witnessed with great enthusiasm. The three events Mine Field, Best Out of Waste and Murder Investigation were organized in which our zealous participants proved their mettle.

❖ **Chetan Bhagat Talk Show**

DIT University hosted a talk show by the renowned author and motivational speaker Mr. Chetan Bhagat on 13th October, 2015. The event was attended by a huge and enthusiastic crowd, which included not only students and faculty members from both DIT University and IMS Unison University, but also the students and teachers from various schools in the city as well.



Mr. Chetan Bhagat at talk show of DIT University on 13 October, 2015

✧ **Alumni General Body Meet**

First General Body Meeting of DIT University Association and Launching of 2nd edition of Alumini newsletter was scheduled on 23rd April, 2016.



Alumini Association General Body Meet

✧ **TCS Team visits DIT University**

A team of senior professionals from leading IT company Tata Consultancy Services (TCS) visited DIT University on 12th February, 2016. Welcoming the team, Mr Saurav Badoni Associate Dean, Training and Placement Services appreciated the efforts of TCS in promoting growth of quality software industry in India



Visit of Tata Consultancy Services (TCS) at DIT University on 12th February, 2016

✧ **Speech on “We Need A Revolution - Book Launch” and motivational speech**

Mr. Sachin Garg, a renowned author who had published five bestseller books delivered a Motivational Talk and interacted with the students in the launching ceremony of his book, *We Need A Revolution* on 01st March, 2016 at Vedanta, DIT University.



Motivational Talk by Mr. Sachin Garg

✧ **Educational Trip**

The University organized educational trips for the 2nd Superscript year B.Tech, MCA and MBA students during January to March, 2016. The tour gave the students the basic understanding of professional world by encouraging experiential learning and exposing them to possible career opportunities. These tours ensure that students gain practical insights to industry operations in their respective areas of specialization. Some of the visits that students have undertaken:

Branch	Place	Name of Industry
CSE	Chandigarh-Manali	INFOSYS/WEBCHEF
IT	Chandigarh-Manali	NetGen IT Solutions Pvt Ltd. & Infosys Chandigarh
Civil	Chandigarh-Manali	ACC CEMENT
ECE	Bangalore-Mysore	ABB / BEL
PE	AHMEDABAD-MEHSANA	Petronet LNG Limited, Gujrat
ME	Chandigarh-Manali-Rohtang	MAHINDRA/SWARAJ TRACTORS & PHILIPS
EE	Bangalore-Mysore	ABB / BEL
MBA	Darjeeling	Tea company
MCA	Chandigarh	Infosys Chandigarh



Industrial visit at Infosys Chandigarh for MCA second year students were organized 22nd to 24th Jan, 2016



Industrial Tour of 2nd Year B.Tech Petroleum Engineering Students at Petronet LNG Limited Dahej, Gujarat Feb

❖ **DIT Motoracing at Pacific Mall, Dehradun**

Team DIT MOTORACING, the official FSAE team of DIT UNIVERSITY showcased their 2016 formula prototype at Auto Arcade in Pacific Mall, Dehradun on 17th, 18th and 19th June, 2016. The team was praised by the citizens of Doon for their excellent work and for securing 1st position in Uttarakhand. Automotive companies like Benelli, Volvo and many more showed their interest in the mean machine.



DIT Motoracing showcased 2016 formula prototype at Auto Arcade in Pacific Mall, Dehradun

❖ **Knowledge Mania'15**

DIT University conducted Knowledge Mania'15 on October 31st, 2015 at campus. 1208 students participated in this grand event from different colleges of Dehradun including DIT University, UPES, TULA's, GEU, WIT, UIT, DBIT, ICFAI, MIT, GRD and many more. It was an Open Book Assessment Test from the selected technical streams

PCM/CSE/IT/EE/ECE/ME/IP/CIVIL/PE. The motto of the event was to provide a common platform to the students so that they could check not only their knowledge but also the implementation skills in the diverse field of logical reasoning, aptitude and technology.



Participants of Knowledge Mania'15th on October 31, 2015

❖ **Engineers' Day**

On the occasion of Engineer's Day, 15th Sept 2015, DIT SAE(Society of Automotive Engineers) organized various events like Combat De Robo, Bridge the Gap, Water Rocket, Plug and Play, Race De Robo, Auto questionnaire, Sketch-O- Mech whilst a remembrance and tribute to him. The event was marked by participation of students in large numbers. Winners were awarded certificates and trophies.

❖ **National Science Day**

Physics Department, DIT University hosted the workshop on "Popularization of Science" on 2nd March, 2016 on the occasion of the National Science Day. The event was graced by eminent people like Mr. R.S. Meena, A.D.G. Law and Order, U.K. Police (Chief Guest), Prof. Dharendra Sharma, Center for Science Policy Dehradun, Prof. Vijay Kumar, Center for Informatics, School of Natural Sciences, Shivnadar University, Greater Noida. Talks on Life of Scientist Sage- Dr. A.P.J. Abdul Kalam and Nano Science and Nano Technology were delivered by the esteemed guests. The celebration ended with a quiz and debate competition for students followed by prize distribution



Inauguration of workshop on "Popularization of Science" on 2nd March, 2016

Cultural Events

❖ Founder's Day

DIT University wore a festive look as it celebrated its Founder's Day on 12th March, 2016 in the University campus. Formerly known as Dehradun Institute of Technology, established in 1998 by Late Shri Naveen Agarwal Ji, DIT received the status of a University on March 12th, 2013, vide Uttarakhand Act No. 10 of 2013, recognized by UGC under Section 2(f) of the UGC Act, 1956. The celebrations concluded with distribution of certificates to the faculty and students who participated in SPHURTI 2016. Dr. A.Senthil Kumar, Director and Scientist / Engineer "H", Indian Institute of Remote Sensing as the Chief Guest graced the occasion.



Cultural program on the occasion on Founder's day



Dr. A. Senthil Kumar, Director, IIRS during Founder's day

❖ The Society Annual General Meet 2016



Society annual General meet 2016

The Society Annual General Meet 2016 was held in DIT University on 09th April, 2016. The meet was held to appreciate and honor all the clubs and chapters founded by the students and

their respective faculty advisors for their achievements. The Vice Chancellor and the Director Academics Administration felicitated the members and the winners of different events organized during the academic year. The students were encouraged to actively participate in cultural, technical and academic activities.

❖ **Independence Day Celebration**

DIT celebrated the 69th Independence Day on 15th August, 2015 on a high note of passion and patriotism. The program commenced with the unfurling of the Tricolor with every heart and mind tuned to the melodious notes of the National Anthem. The dignitaries as well as the students of DIT witnessed the occasion. The program came to an end with distribution of sweets to all students and faculty members.

❖ **Diwali Celebrations**

Diwali at DIT University was celebrated on 11th November, 2015 with great joy and splendor. The campus was beautifully decorated with lights and Rangoli. The day began with a customary puja (Hawan) which was attended by the entire staff and students present in the campus. This was followed by distribution of sweets and gifts.



Deepawali celebration at DIT University

❖ **Christmas Day Celebration**

Christmas Eve was celebrated at DIT University on 24th December, 2015. Christmas cake was cut amidst singing of carols. On this occasion, Vice Chancellor, Director, Academic Administration shared the platform of celebration along with faculty members, staff and students. At the end of the party, Santa Claus distributed cake and chocolates to everyone.

❖ **Lohri Celebration**

Lohri was celebrated on 13th January, 2016 at DIT University campus with joy. The Vice Chancellor, Pro-Vice Chancellor and Director, 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.

❖ **Republic Day Celebration**

DIT celebrated the 67th Republic Day on 26th January, 2016 with great pride and jubilation. The program commenced with the unfurling of the Indian Tricolor. Vice Chancellor, Pro Vice Chancellor, Director (Academics Administration) graced the occasion. Deans, HODs, faculty and staff members were also present to witness the celebration. The program ended with distribution of sweets by the college authorities to the students and faculty and staff members.

❖ **Basant Panchami Celebration**

Basant Panchami was celebrated on 12th Feb 2016 at the portico of Chanakya building. The program started by paying homage to the Goddess Saraswati and lighting of lamp by the Vice Chancellor. All faculty and staff members were invited for the same.



❖ **Holi Celebration**

Holi was celebrated at DIT University on 24th March, 16 with great joy. Vice-Chancellor, Director Academic Administration graced the occasion. High tea was arranged for the entire staff present in the campus.

1.6 Students Achievements

The students of DIT University shine in every field be it sports, academics or extracurricular activities. The student achievements from June 2015 to July 2016:

- Rupesh Kumar (ECE, IV year) made the DITians proud by hitting an excellent score of 97.41 percentile in CAT, 2015.
- Karan Nagpal (B. Arch, IV year) was crowned with the title of Mr. Best Smile and Mr. Talented in the event of Mr. and Ms. Doon organized by Doon Fashion Zone on 25th October, 2015.
- Tanya Walia (CSE, II year) was declared 2nd Runner Up in the beauty pageant Miss Uttarakhand-2015 which was held on 09th December, 2015 at Hotel Solitaire, Dehradun. She was also awarded with titles Miss Talented and Miss Bollywood.
- Eshma Shukla (IT, II year) won the title *Miss Radiant Skin* in the beauty pageant Miss Uttarakhand-2015 on 09th December, 2015.
- Ankit Rana (CSE, III year), bagged the title “Ultimate Survivor” along with the prize money worth Rs. 50,000 in the biggest youth event of Dehradun ‘The Survivor -3’ organized by the USP from 02nd to 04th October, 2015. Around 5000 Doonites of various schools and colleges witnessed the event.
- Students of the Architecture Department participated in the ZoNASA convention at the Jagannath University, Jaipur from 02nd to 04th October, 2015. The students secured the 1st runner-up position, both for the Rubens and the Laurie Baker Trophy. DIT University also bagged the Ultimate Winners’ trophy among the 45 institutes of North Zone.
- Sanjana Radhakrishnan(CSE, II year), and Anmol Singh (PE, II year) got their debut story Camaraderie published into the anthology Friendship Bonds Beyond Time by the publishing house Shades Publications on 04th October, 2015.
- Pulkit Chaudhary, a proficient student of Petroleum Engineering (Third Year), presented a research paper in the 6th World Petro Coal Congress on “Development of Mathematical Model on well planning in CBM wells”. The conference was a three day event and was held from 15th to 17th February, 2016 at the Convention Centre, NDCC, New Delhi, India. The Conference was organized by Energy and Environment Foundation and was supported by Government of India, Ministry of Power, Ministry of Petroleum and Natural Gas, Ministry of Coal and Ministry of Earth Sciences.
- Vineet Yadav (Mechanical 2008-2012 batch) launched Doon Valley’s first app based platform for doorstep services called “Tezaaa”. It is a text based personal assistance app

that promises to cater to all the needs of the user-be it ordering food, fetching groceries, booking tickets, making reservations or bill payments, all with just a text and minimal charges! The Tezaaa team includes many other 3rd year students from CSE, DIT University. We acknowledge their efforts to contribute to the society using best of their abilities.

- Anusha Rahinwal CSE 4th year secured highest score in XAT
- Gautam Thapliyal secured 378th rank in UPSC 2015

✧ **Sports activities**

“DIT University won the 6th Inter College Volleyball Tournament which was organized by WIT (Women Institute of Technology, Suddhowala) on 8th and 9th October, 2015. The honorable Chief Minister of Uttarakhand, Shri. Harish Rawat felicitated the trophies to the winning team of DIT University.

• **SPHURTI 2016**

SPHURTI the annual inter college/University sports meet is organized by DIT University every year. Reiterating the importance of extracurricular activities alongside academics, the annual sports festival, SPHURTI 2016 was conducted from 9th to 12th March, 2016. The event was a four day long 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, 1st runner up was ICFAI University, 2nd runner up COER, Roorkee.



Participants of SPHURTI 2016

2. Departmental Activities

2.1 Faculty of Engineering and Management

Department of Electronics & Communication Engineering

1. 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.	Conference on Recent Trends in Emerging Technologies-2015 (RTET 2015) organized by SPIE and OSA Chapters	Dr. Sandeep Sharma/ Dr. Santosh Kumar/ Dr. Sonika Singh/ Mr. Saurabh Mishra	19 th - 20 th Dec, 2015
2.	Seminar on Design Software on Photonics organized by SPIE and OSA Chapters	Dr. Santosh Kumar	21 st Nov, 2015
3.	Workshop on Innovation Technique in Project Identification organized by SPIE and OSA Chapters	Dr. Santosh Kumar/ Mr. Anuj Kr. Sharma	10 th Oct, 2015
4.	Workshop on 3G & 4G/LTE latest trends in Telecom Technologies and Live Networking” conducted by Telcocrats Technologies Pvt. Ltd. Chandigarh, under ICEIT DIT University Organizational Member held at DITU, Dehradun.	Dr. Sonika Singh/ Mr. Saurabh Mishra	29 th - 30 th Oct, 2015
5.	Workshop on Communication & Control System Design using SIMULINK” conducted by Design Tech. Ltd., New Delhi under ICEIT DIT University Organizational Member held at DITU, Dehradun	Dr. Sonika Singh/ Mr. Saurabh Mishra	29 th Oct, 2015

6.	Workshop on VLSI Analog/Digital Circuit Design conducted by Mentortech for 3 rd year ECE and EE students under ICEIT DIT University Organizational Member held at DITU, Dehradun.	Dr. Sonika Singh/ Mr. Saurabh Mishra	17 th March, 2016
7.	Webinar on "Site-specific radio propagation software for the analysis and design of wireless systems for communication:" under ICEIT DIT University Organizational Member at DITU, Dehradun.	Dr. Sonika Singh/ Mr. Saurabh Mishra	17 th May, 2016
8.	Workshop on Circuit Simulation and Fabrication using 555 Timer by IETE Student Forum	Mrs. Brajlata Chauhan	24 th Oct, 2015
9.	ICT based STC on "GSM to 3G" by NITTTR Chandigarh	Dr. Sandeep Sharma / Mr. Anuj Kr. Sharma	16 th - 20 th March, 2015
10.	ICT based STC on "VLSI Design" by NITTTR Chandigarh	Dr. Sandeep Sharma / Mr. Anuj Kr. Sharma	05 th - 09 th Oct, 2015
11.	ICT based STC on "MATLAB and its Hardware Interface" by NITTTR Chandigarh	Mr. Saurabh Mishra/ Mr. Anuj Kr. Sharma	11 th - 15 th Jan, 2016
12.	ICT based STC on "Mobile Computing" by NITTTR Chandigarh	Mr. Vimal Kant Pandey /Mr. Anuj Kr. Sharma	25 th - 29 th Jan, 2016
13.	ICT based STC on "Introduction to Embedded Systems" by NITTTR Chandigarh	Mr. Anuj Kr. Sharma / Mr. Vimal Kant Pandey	08 th - 12 th Feb, 2016
14.	ICT based STC on "2G vs 3G" by NITTTR Chandigarh	Mr. Saurabh Mishra/ Mr. Anuj Kr. Sharma	23 rd - 27 th May, 2016
15.	15 th IIRS outreach program	Dr. Sandeep Sharma	Aug. to Nov. 2015
16.	16 th IIRS outreach program "Geospatial technologies urban planning"	Dr. Sandeep Sharma	11 th Feb. - 15 th March, 2016

3. Guest Lectures organized

Sr. No.	Name of the expert	Title of the lecture	Date
1.	Dr. Radislav A. Potyrailo GE GlobalResearch Center, USA	Development of Modern Photonic sensors: Industrial R&D Perspective	20 th Dec, 2015
2.	Prof. Satyendra Kumar Kent State University, USA	Liquid crystals in displays, optical devices, sensors, and photovoltaics	20 th Dec, 2015
3.	Dr. Mukesh Kumar IIT Indore	On-chip devices based on 1D/2D Photonic Crystals for Optical Interconnects	20 th Dec, 2015

4.	Dr. S. K. Raghuwanshi ISM Dhanbad	Arbitrary microwave generation and transmission through Mach-Zehnder Interferometer	19 th Dec, 2015
5.	Prof. Nan-Kuang Chen National United University, Miaoli, Taiwan	The miracle of light in micro-sensing	19 th Dec, 2015
6.	Dr. Brajesh Kumar Kaushik IIT Roorkee	Optical Interconnects	19 th Dec, 2015
7.	Dr. SS Negi Director-IRDE, DRDO	Electro-optical devices	19 th Dec, 2015
8.	Dr. Philip Wattman Optiwave, Canada	Design software of Photonics	21 st Nov, 2015

4. Publication by faculty members in reputed SCI/SCIE, journals with Impact factor

Sr. No.	Name of the Author	Title of Paper	Name of the Journal	Volume	Page nos.	Month and Year of publication	Impact Factor
1.	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	-	1-15	June, 2016	0.557
2.	Santosh Kumar, Lokendra Singh, Sandip Swarnakar	Design of one bit magnitude comparator using nonlinear plasmonic waveguide	Plasmonics	-	1-7	June, 2016	2.146
3.	Santosh Kumar, Chanderkanta, Angela Amphawan	Design of parity generator and checker circuit using electro-optic effect of Mach-Zehnder interferometers	Optics Communications	364	195-224	Dec, 2015	1.480
4.	Santosh Kumar, S. K. Raghuwanshi	High speed optical 4-bit twisted ring counter using electro-optic effect of Mach-Zehnder interferometer	Optical and Quantum Electronics	48		Nov, 2016	1.290

5.	Santosh Kumar, Ashish Bisht, Gurdeep Singh, Sandeep Sharma, Angela Amphawan	Proposed new approach to the design of universal logic gates using the electro-optic effect in Mach Zehnder interferometers	Applied Optics	54	8479 - 8484	Sept, 2015	1.784
6.	Santosh Kumar, Ashish Bisht, Gurdeep Singh, Kuldeep Choudhary, K. K. Raina, Angela Amphawan	Implementation of 1-bit and 2-bit magnitude comparator using mach-zehnder interferometers	Optics Communications	357	127– 147	Sept, 2015	1.480
7.	Santosh Kumar, Anamika Kumari, Bhagirathi Pradhan	Analysis of Evanescent Field of TE and TM mode in the Grounded Slab Metamaterial Waveguide Structure	Optik	126	3706 – 3712	Sept, 2015	0.742
8.	Santosh Kumar, Ashish Bisht, Gurdeep Singh, Angela Amphawan	Implementation of 2-bit multiplier based on electro-optic effect in Mach-Zehnder interferometers	Optical and Quantum Electronics	47	3667 - 3688	August, 2015	1.290
9.	Santosh Kumar, Gurdeep Singh, Ashish Bisht, Angela Amphawan	An optical synchronous up counter based on electro-optic effect of lithium niobate based Mach-Zehnder interferometers	Optical and Quantum Electronics	47	3613 - 3626	July, 2015	1.290

10.	Santosh Kumar, Gurdeep Singh, Ashish Bisht, Angela Amphawan	Design of D Flip-Flop and T Flip-Flop using Mach-Zehnder interferometers for high-speed communication	Applied Optics	54	6397 - 6405	July, 2015	1.784
11.	Santosh Kumar, Sanjeev Kumar Raghuwanshi, B. M. A. Rahman	Design of universal shift register based on electro-optic effect of LINBO ₃ in Mach-Zehnder interferometer for high speed communication	Optical and Quantum Electronics	47	3509 - 3524	July, 2015	1.290

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. Santosh Kumar	SPIE Photonics Europe, 2016	Brussels, Belgium	04 th - 07 th April, 2016
2.	Dr. Santosh Kumar	Frontiers in Optics/Laser Science 2015	San Jose, California, USA	19 th - 23 rd Oct, 2015
3.	Dr.Sonika Singh/ Mr. Saurabh Mishra	Innovation Techniques in Project Identification (ITPI) conducted by SPIE and OSA Chapters	DIT University, Dehradun	10 th Oct, 2015
4.	Dr. Santosh Kumar/ Dr. Sonika Singh/ Dr. Santosh Kumar/ Mr. Vivek Kr Srivastava	Training programme conducted by NITTTR, Chandigarh on “Cloud Computing” through ICT conducted by Computer Science & Engineering Department	DIT University, Dehradun	12 th - 16 th Oct, 2015
5.	Dr. Santosh Kumar/ Dr. Sonika Singh/ Dr. Santosh Kumar	Workshop on “3G & 4G/LTE Latest trends in Telecom Technologies and Live Networking” conducted by Telcocrats Technologies Pvt. Ltd. Chandigarh, under ICEIT DIT University Organizational Member	DIT University, Dehradun	29 th - 30 th Oct, 2015

6.	Dr. Sonika Singh/ Mr. Saurabh Mishra	Seminar on “Design Software for Photonics” with hands on training on Optiwave Photonic Design Software under SPIE Student Chapter	DIT University, Dehradun	21 st Nov, 2015
7.	Dr. Santosh Kumar/ Mr. Saurabh Mishra/ Mr. Vivek Kr Srivastava	ICT based STC on “Introduction to Embedded Systems” by NITTTR Chandigarh	DIT University, Dehradun	08 th - 12 th Feb, 2016
8.	Dr. Santosh Kumar/ Mr. Saurabh Mishra/ Mr. Vivek Kr Srivastava	ICT based STC on “Mobile Computing” by NITTTR Chandigarh	DIT University, Dehradun	25 th - 29 th Jan, 2016
9.	Dr. Santosh Kumar/ Mr. Saurabh Mishra/ Mr. Vivek Kr Srivastava	ICT based STC on “VLSI Design” by NITTTR Chandigarh	DIT University, Dehradun	05 th - 09 th Oct, 2015
10.	Mr. Vivek Kr Srivastava	Cyber Disease- Whatsapp Hacking & Security organized by IETE-ISF	DIT University, Dehradun	05 th - 06 th Mar, 2016
11.	Dr. Santosh Kumar/ Mr. Vivek Kr Srivastava/ Mr. Saurabh Mishra	MATLAB & its Hardware Interface organized by NITTTR, Chandigarh	DIT University, Dehradun	11 th - 15 th Jan, 2016
12.	Mr. Vivek Kr Srivastava	RTET – 2015 Conference organized by SPIE and OSA Chapters	DIT University, Dehradun	19 th - 20 th Dec, 2015
13.	Dr. Santosh Kumar/ Mr. Vivek Kr Srivastava/ Mr. Saurabh Mishra	VLSI Design through ICT organized by NITTTR, Chandigarh	DIT University, Dehradun	05 th - 09 th Oct, 2015
14.	Dr. Santosh Kumar/ Mr. Vivek Kr Srivastava/ Amrindra Pal/ Sandip Swarnakar/ Anuj Kumar Sharma Dr. Tarun Sharma	Seminar on Light & Lightwave Technologies organized by IRDE	Doon University, Dehradun	13 th - 14 th Feb, 2016

6. PhD guidance by the faculty members

Sr. No.	Name of Faculty	No. of students enrolled in DIT University	No. of students enrolled in other Universities
1.	Prof. S. C. Gupta	02	04
2.	Dr. Sandeep Sharma	03	01
3.	Dr. Sonika Singh	01	01
4.	Dr. Santosh Kumar	04	00

7. 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.	Mrs. Chanderkanta	Dr. Santosh Kumar	Design and analysis of combinational and sequential circuits for high speed communications	2015	Full time
2.	Mr. Lokendra Singh	Dr. Santosh Kumar	Design of all-optical switching devices using plasmonic metal-insulator-metal (MIM) waveguide	2015	Full time
3.	Mr. Rahul Agarwal	Dr. S. C. Gupta	Leaky wave antenna	2015	Part time
4.	Mr. Kuldeep Choudhary	Dr. Santosh Kumar	Design of Photonics devices for WDM applications	2014	Part time
5.	Mr. Amrindra Pal	Dr. Sandeep Sharma/Dr. Santosh Kumar	Design and modelling of opto-electronic devices of WDM applications	2014	Part time
6.	Mr. Sandip Swarnakar	Dr. Sandeep Sharma/Dr. Santosh Kumar	Design and modelling of integrated photonics device(s) and sensor(s) using photonic crystal fibers	2014	Part time
7.	Mr. Vimal Kant Pandey	Dr. Sandeep Sharma and Dr. Sonika Singh	Analysis of spectrum sensing techniques and implementation of low power circuits for cognitive radio	2014	Part Time
8.	Mr. Maneesh Kumar Singh	Dr. Sandeep Sharma and Dr. Sonika Singh	Foetal safety concern in 2D and 3D ultrasound image technology analysis and optimization	2014	Part Time
9.	Mr. Vivek Kr. Srivastava	Dr. Sandeep Sharma/Dr. Ajay Kumar (IRDE)	Design and development of super resolution reconstruction algorithm for low resolution images	2014	Part Time
10.	Mr. Dhruva Chaudhary	Dr. S. C. Gupta	Leaky wave antenna	2014	Part Time

8. 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.	Development of Metamaterial based leaky wave array antenna for broad band applications in 'ku band	Dr. S. C. Gupta / Mr. Nitin Kumar	DRDO, Govt. of India	Rs. 27.878 Lakhs	17 th Jan, 2015	2.5 years
2.	Performance study of some WDM optical network components and design of optical switching devices	Dr. Santosh Kumar	DIT University, Dehradun	Rs. 5 Lakhs	14 th Dec, 2014	1 year
3.	Performance study of metamaterials and design of metamaterial optical sensors for various applications	Dr. Santosh Kumar / Ms. Anamika Kumari	DIT University, Dehradun	Rs. 1.4 Lakhs	14 th Dec, 2014	1 year
4.	Hybrid Plasmonic Waveguide Based Coupler for Optical Interconnect	Dr. Tarun Sharma / Dr. Sandeep Sharma	DIT University, Dehradun	Rs. 2.6 Lakhs	6 th Feb, 2016	1 year
5.	Study and Design of Low Power Circuits for Cognitive Radio	Mr. Vimal Kant Pandey / Dr. Sonika Singh / Dr. Sandeep Sharma	DIT University, Dehradun	Rs. 6 Lakhs	6 Feb, 2016	1 year

9. Awards received by the faculty members

Sr. No.	Name of Faculty	Award	Awarding agency/Societies
1.	Dr. Santosh Kumar	International Travel Grant	DST, Govt. of India

2.	Dr. Santosh Kumar	Editorial Member	i-manager's Journal on Instrumentation and Control Engineering
3.	Dr. Sonika Singh	NPTEL Mentor, ECE Dept., DIT University	NPTEL online certification courses
4.	Dr. Sonika Singh	Certificate of Appreciation for meritorious contribution as Chairperson, ICEIT, Organizational member DIT University	DIT University, Dehradun
5.	Mr. Saurabh Mishra	Certificate of Appreciation for meritorious contribution as President, ICEIT, Organizational Member DIT University	DIT University, Dehradun

10. 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	SPIE Photonics Europe 2016	Brussels, Belgium	4 th - 7 th April, 2016
2.	Dr. Santosh Kumar	Frontiers in Optics/ Laser Science 2015	San Jose, CA, USA	19 th - 23 rd Oct, 2016

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

Sr. No.	Name of Faculty	Name of Societies	Membership type
1.	Dr. Sandeep Sharma	Society of Photo-Optical Instrumentation Engineers (SPIE)	Regular member
2.	Dr. Santosh Kumar	Optical Society of India	Life member
3.	Dr. Santosh Kumar	Institute of Electrical and Electronics Engineers (IEEE)	Graduate member
4.	Dr. Santosh Kumar	IEEE Photonics Society	Graduate member
5.	Dr. Santosh Kumar	Society of Photo-Optical Instrumentation Engineers (SPIE)	Regular member
6.	Dr. Santosh Kumar	Optical Society of America (OSA)	Regular member
7.	Mr. Amrindra Pal	Society of Photo-Optical Instrumentation Engineers (SPIE)	Regular member
8.	Mr. Amrindra Pal	Optical Society of America (OSA)	Regular member
9.	Mr. Sandip Swarnakar	Society of Photo-Optical Instrumentation Engineers (SPIE)	Regular member

10.	Mr. Sandip Swarnakar	Optical Society of America (OSA)	Regular member
11.	Mr. Anuj Kr. Sharma	Society of Photo-Optical Instrumentation Engineers (SPIE)	Regular member
12.	Mr. Saurabh Mishra	Society of Photo-Optical Instrumentation Engineers (SPIE)	Regular member
13.	Mr. Nitin Kumar	Institute of Electrical and Electronics Engineers (IEEE)	Professional member
14.	Dr. Sandeep Sharma	IEEE, IEEE Signal Processing Society, Electron Devices Society, Education Society, Biosensors Society, IoT Society	Professional member
15.	Dr. Sandeep Sharma	IETE	Associate member
16.	Dr. Sandeep Sharma	Society of Remote Sensing	
17.	Mr. Vivek Kr. Srivastava	Optical Society of America (OSA)	Regular member

12. Faculty members who have been delivered Guest Lectures

Sr. No.	Name of Faculty	Title of the Lecture	Place	Date
1.	Dr. Santosh Kumar, Dr. Sandeep Sharma, Mr. Anuj Kr. Sharma, Mr. Saurabh Mishra	Induction program of SPIE Society	IIT Roorkee	12 th Feb, 2016

13. 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.	Santosh Kumar, Chanderkanta and Angela Amphawan	Design of Excess 3 to BCD code converter using electro-optic effect of Mach-Zehnder Interferometers for efficient data transmission	Proc. SPIE 9889 Optical Modelling and Design IV	Brussels, Belgium	04 th - 07 th April, 2016
2.	Amrindra Pal, Santosh Kumar, Sandeep Sharma and Sanjeev K. Raghuwanshi	Design of 4 to 2 line encoder using lithium niobate based Mach Zehnder Interferometers for high speed communication	Proc. SPIE 9889 Optical Modelling and Design IV	Brussels, Belgium	04 th - 07 th April, 2016

3.	Santosh Kumar, S. Swaminathan	Design of liquid temperature sensor based on bending loss phenomenon of plastic optic fiber and electro-optic effect of Mach-Zehnder interferometer	Proc. SPIE 9899 Optical Sensing and Detection IV	Brussels, Belgium	04 th - 07 th April, 2016
4.	Santosh Kumar, Lokendra Singh	Proposed new approach to design all optical AND gate using plasmonic based Mach Zehnder interferometer for high speed communication	<i>Proc. SPIE</i> 9884 Nanophotonics VI	Brussels, Belgium	04 th - 07 th April, 2016
5.	Anuj Sharma, Santosh Kumar, Sandeep Sharma	Design and analysis of an optical FIR filter	<i>Proc. SPIE</i>	Brussels, Belgium	04 th - 07 th April, 2016
6.	Santosh Kumar, Ashish Bisht, Angela Amphawan	Optical universal logic gates based on electro-optic effect of lithium niobate in mach-zehnder interferometer	Frontiers in Optics (FiO-2015), paper FTu3F.3	San Jose, CA	18 th to 22 nd Oct, 2015
7.	Santosh Kumar, Ashish Bisht, Gurdeep Singh, Angela Amphawan	Implementation of sequence generator using electro-optic effect of mach-zehnder interferometer	Frontiers in Optics (FiO-2015), paper JTU4A.67	San Jose, CA	18 th - 22 nd Oct, 2015
8.	Santosh Kumar, Ashish Bisht, Akanksha Bisht, Angela Amphawan	Optical bit pattern recognition system for optical network applications	Frontiers in Optics (FiO-2015), paper JW2A.71	San Jose, CA	18 th - 22 nd Oct, 2015
9.	Santosh Kumar, Ashish Bisht, Divya Sharma, Angela Amphawan	Implementation of 3-bit synchronous up counter using mach-zehnder interferometer for optical signal processing	Frontiers in Optics (FiO-2015), paper JW2A.72	San Jose, CA	18 th - 22 nd Oct, 2015

10.	Santosh Kumar, Ashish Bisht, Sandeep Sharma, S. K. Raghuwanshi, Angela Amphawan	Implementation of an optical binary cell of random access memory based on electro-optic effect in mach-zehnder interferometer	Frontiers in Optics (FiO-2015), paper JW2A.73	San Jose, CA	18 th - 22 nd Oct, 2015
11.	Anuj Kumar Sharma, Santosh Kumar, Sandeep Sharma, Ramandeep Khurana, Toolika Srivastava	DIP based Water Pollution Control System	International Conference on Intelligent Communication, Control and Devices (ICICCD 2016)	UPES, Dehradun	02 nd - 03 rd April, 2016
12.	Santosh Kumar, Ashish Bisht, Angela Amphawan	Four bit priority encoder using lithium niobate based mach-zehnder interferometers	IEEE/Workshop on Recent Advances in Photonics 2015	Indian Institute of Science, Bangalore, India	16 th - 17 th Dec, 2015
13.	Santosh Kumar, Gurdeep Singh, Angela Amphawan	Reversible ripple carry adder using the electro-optic effect of lithium-niobate based mach-zehnder interferometer	IEEE/Workshop on Recent Advances in Photonics 2015	Indian Institute of Science, Bangalore, India	16 th - 17 th Dec, 2015
14.	Nitin Kumar	SIW based LWA with forward to backward scanning capability	ICICCD- 2016	UPES, Dehradun	02 nd - 03 rd April, 2016
15.	Nitin Kumar	Step by step designing of Composite right left handed leaky wave antenna on Substrate integrated waveguide using S Slots	ICCCA-2016	Galgotias University, Greater Noida	29 th - 30 th April, 2016

14. 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.	Nitin Kumar	A metamaterial Based microstrip patch antenna with improved directionality	Student driven research for Inspired learning in Science and Technology	Maharaja Agrasen College	16 th - 17 th October, 2015
2.	Nitin Kumar	Metamaterials: Characteristics, structures and applications	National Conference on Science and Technology for Indigenous development in India	FETGKV, Haridwar	28 th - 30 th Sept, 2015
3.	Nitin Kumar	Electronic beam scanning of LWA using varactor diodes	RTET-2015	DIT University, Dehradun	19 th - 20 th Dec, 2015
4.	Nitin Kumar	Gain Enhancement of LWA using grating techniques	RTET-2015	DIT University, Dehradun	19 th - 20 th Dec, 2015
5.	Nitin Kumar	Design and analysis of Leaky wave antenna with frequency scanning capability	RTET-2015	DIT University, Dehradun	19 th - 20 th Dec, 2015
6.	Nitin Kumar	A three band CRLH based leaky wave antenna using SIW technology	RTET-2015	DIT University, Dehradun	19 th - 20 th Dec, 2015
7.	Nitin Kumar	Metamaterial based antenna for 10 GHz frequency	National Conference on Science and Technology for Indigenous development in India	FETGKV, Haridwar	28 th - 30 th Sept, 2015

15. Industrial tours / visits

Sr. No.	Faculty Coordinator name	Place	No. of Students	Date
1.	Sonika Singh	Bangalore	-	14 th - 21 st Jan, 2016
2.	Sonika Singh	Infosys, Chandigarh	200	2 nd April, 2016
3.	Mr. Saurabh Mishra	Bangalore	161	18 th - 26 th Jan, 2016



Industrial tours of B.Tech ECE Students

16. Best 10 B.Tech Projects

Sr. No.	Name of Student	Guide	Title of Project
01.	Rahul Ranjan, Ketan Kumar Bhatt	Mr.Vimal Kant Pandey	High speed implementation of linear feedback shift register
02.	Animesh Mulasi, Anil Koranga	Mr. Vinay Kumar	A FPGA based DC servo motor control for remote replication of surgical arm.
03.	Himanshu Gaurav Mohit Kumar Singh Kavindra Singh Nikhuroa	Mr. Anuj Sharma	Smart waste management system
04.	Rahul Kumar Singh Pravendra Rajput	Mr. Anuj Sharma	Eye monitored wheelchair
05.	Ramandeep Singh	Mr. Amrindra Pal	DIP Based water pollution control system
06.	Rishabh Kishor	Mr. Bharat Kumar Singh	Artificial intelligence based meta - adaptive exactitude system (AIMAX)
07.	Sourav Kumar Himanshu Garg	Dr. Rashmi Chaudhary	Dual axis solar tracking system
08.	Ritesh Kumar Vimal Patwal Shashank Aggarwal	Dr. Sandeep Sharma	Tricopter
09.	Shweta Bali Sainy Shubham	Mr. Maneesh Kumar	Quadcopter
10.	Narendra Mani Tripathi	Dr. Sandeep Sharma	Design of CPW fed BOW tie antenna and comparison various substrate material

17. M.Tech Projects

Sr. No.	Name of Student	Guide/Co-guide	Title of Project
01.	Akanksha Bisht	Dr. Santosh Kumar	Design of integrated photonics devices using photonic crystal fiber
02.	Ashish Bisht	Dr. Santosh Kumar	Design of photonic devices for WDM applications
03.	Gurdeep Singh	Dr. Santosh Kumar	Design of combinational and sequential circuits for high speed communication
04.	Akanksha Shakya	Dr. Sandeep Sharma	Analyzing clipping and PTS techniques for PAPR reduction in OFDM system
05.	Namita Pandey	Dr. Sandeep Sharma Mr. Nitin Kumar	Electronic beam scanning of leaky wave antenna using varactor diode
06.	Pravesh Belwal	Dr. S.C Gupta Mr. Nitin Kumar	Study and design of leaky wave antenna based on DP CRLH transmission Line
07.	Devankar Ghosh	Dr. S.C Gupta / Mr. Kuldeep Choudhary	Study and analysis of LC parameter extraction for CRLH structure
08.	Anjali Chauhan	Dr. Sandeep Sharma / Mr. Nitin Kumar	Gain enhancement of leaky wave antenna using grating technique
09.	Anumeha Badoni	Dr. S.C Gupta / Mr. Nitin Kumar	Study and design of frequency scanning capability of leaky wave antenna
10	Prashansa Kumari	Mrs. Brajlata Chauhan	Performance analysis of conformal antenna
11	Archana Negi	Mrs. Brajlata Chauhan	simulation of E and U shape slot cylindrical conformal antenna
12.	Sakshi Kher	Dr. S.C Gupta / Mr. Dhruva Chaudhary	Designing of leaky wave antenna array
13.	Pragati Agarwal	Dr. Sonika Singh / Mr. Maneesh Kumar Singh	Performance analysis of BER for OFDM using differential modulation techniques

18. Details of visits to foreign countries

Sr. No.	Name of Faculty/ Student	Conference name	Funding Agency	Dates	Venue
01.	Dr. Santosh Kumar	SPIE Photonics Europe 2016	SERB-DST, Govt. of India	03 rd - 07 th April, 2016	Brussels, Belgium
02.	Dr. Santosh Kumar	Frontier in Optics/Laser Science (FiO/LS-2015)	DIT University, Dehradun	18 th to 24 th Oct. 2015	San Jose, California, USA

19.Student's clubs/Activities etc.

19.1 Newly established chapters in last year

19.1.1 Institution of Communication Engineers and Information Technologists (ICEIT)

The department has successfully fully launched the ICEIT DIT University Organizational membership on 29th Oct, 2015. Institution of Communication Engineers and Information Technologists (ICEIT) is a professional society (registered under the Societies Registration Act XXI 1860) for advancement of Information and Communication Technology. ICEIT, DIT University Organizational Member celebrated its inaugural ceremony followed by a series of workshops on “Communication and Control System Design using Simulink” conducted by Mathworks for third year ECE and EE students and “3G, 4G/LTE latest trends in Telecom technology and Live Network Testing” conducted by Telcocrats Technology for UG and PG Scholars Research during 29th - 30th Oct, 2015.



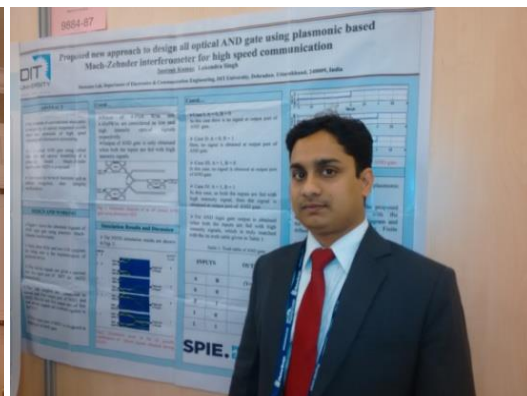
19.1.2 Institution of Electronics and Telecommunication Engineering (IETE)

The Institution of Electronics and Telecommunication Engineering (IETE) founded in 1953 is one of the leading educational societies in India. The ISF (IETE students Forum) works for engineering students studying in engineering colleges across the country by providing them certifications. The IETE student forum at DIT University is the largest chapter of ISF in Uttarakhand. The IETE student forum organized a workshop on ‘Circuit Simulation and Fabrication’ on 24th October, 2015 which was conducted by SME (Schematic Micro Electronics), which is one of the fastest growing R&D based industry to provide support and services in Wireless Embedded Product Design and Development. A technical and aptitude quiz, Quizo’15 was organized on 27th October, 2015 by this club. A technical lecture on microwave and millimeter technology application was delivered by scientist Mr. A K Shukla on 30th October, 2015.

19.2 Research activities



Dr. Santosh Kumar (Assistant Professor) presented papers at Frontiers in Optics/Laser Science (FiO – 2015) conference at San Jose, California, USA during Oct. 18-24, 2015.



Dr. Santosh Kumar (Assistant Professor) presented papers at SPIE Photonics Europe 2016 at Brussels, Belgium during April 4-7, 2016



Faculty members, PhD and M.Tech Students attending the Seminar on “Light & Lightwave Technologies” organized by IRDE at Doon University, Dehradun during 13-14 Feb., 2016



Dignitaries of RTET-2015 conference during Dec. 19-20, 2015



Photonics meet in support of International Year of Light (IYL-2015) on 19 Dec., 2015



Talk of Prof. Nan-Kuang Chen (NUU, Taiwan) during RTET-2015 conference



Talk of Dr. SS Negi, Director IRDE, DRDO during RTET-2015 conference



Prof. M.P. Kothiyal (IIT Madras) during seminar on Design software of Photonics.



Dr. Philips Wattman (Optiwave, Canada) during Seminar on Design software on Photonics

Department of Mechanical Engineering

1. Goals

- To maintain a high standard of mechanical engineering education through outstanding teaching, innovative curricula, and research training that reflect the changing needs of society.
- To attract highly motivated students with enthusiasm, aptitude and interest in mechanical engineering.
- To pursue excellence in research and technology transfer.

2. Conferences / Seminars/ Workshops organized

Sr. No.	Title/name of the conference/ seminar organized	Convener/Coordinator	Dates
1.	National Conference on Recent Technological Developments in Mechanical Engineering (NCRTDME-2016),	Prof. Y.K. Tyagi	22 nd - 23 rd January, 2016.



Prof. Y K Tyagi addressing the audience at National Conference on Recent Technological Developments in Mechanical Engineering- January 2016.

3. Guest Lectures organized

Sr. No.	Name of the expert	Title of the lecture	Date
1.	Prof. M.S Kalra	Some Aspects of Limit Cycle Oscillations, Non-Maxwellian Reactivities & MHD Flows in Nuclear Reactors	29 th Feb, 2016

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

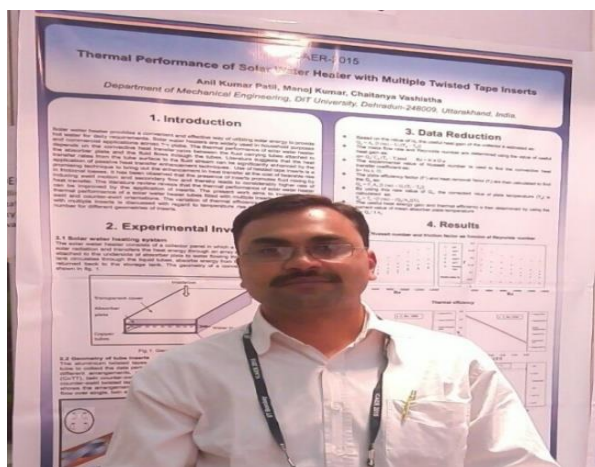
Sr. No.	Name of the Author	Title of Paper	Name of the Journal	Volume	Page nos.	Month and Year of publication	Impact Factor
1.	Vashistha C., Patil A. K., Kumar M.	Experimental investigation of heat transfer and pressure drop in a circular tube with multiple inserts	Applied Thermal Engineering	96	117-129	2016	2.74
2.	Rajesh Maithani & JS Saini	Heat transfer and friction factor correlations for a solar air heater duct roughened artificially with v-ribs with symmetrical gaps	Experimental Thermal and Fluid Science	70	220-227	2016	2.18
3.	Vijaypal Singh, Sunil Chamoli, Manoj Kumar, Alok Kumar	Heat transfer and fluid flow characteristics of heat exchanger tube with multiple twisted tapes and solid rings inserts,	Chemical Engineering and Processing: Process Intensification	102	156-168	2016	2.154
4.	Alok Kumar, Sunil Chamoli, Manoj Kumar	Experimental investigation on thermal performance and fluid flow characteristics in heat exchanger tube with solid hollow circular disk inserts	Applied Thermal Engineering	100	227-236	2016	3.04
5.	Vipin B. Gawande, A. S. Dhoble, D. B. Zodpe, Sunil Chamoli	A review of CFD methodology used in literature for predicting thermohydraulic performance of a roughened solar air heater	Renewable and Sustainable Energy Reviews	54	550-605	2016	6.798

6.	Sunil Chamoli	Preference selection index approach for optimization of V down perforated baffled roughened rectangular channel	Energy	93	1418 - 1425	2015	4.29
7.	Prashant Kumar, Alok Kumar, Sunil Chamoli, Manoj Kumar	Experimental investigation of heat transfer enhancement and fluid flow characteristics in a protruded surface heat exchanger tube	Experimental Thermal and Fluid Science	71	42-51	2016	2.18
8.	Vipin B. Gawande, A. S. Dhoble, D. B. Zodpe, Sunil Chamoli,	Experimental and CFD-based thermal performance prediction of solar air heater provided with chamfered square rib as artificial roughness	Journal of Brazilian Society of Mechanical Science and Engineering	doi: 10.1007/s40430-015-0402-9.			0.0429
9.	Vipin B. Gawande, A. S. Dhoble, D. B. Zodpe, Sunil Chamoli	Experimental and CFD-based thermal performance prediction of solar air heater provided with right-angle triangular rib as artificial roughness	Journal of Brazilian Society of Mechanical Science and Engineering	doi: 10.1007/s40430-015-0391-8			0.429

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. A. K. Patil	International Conference on Advances in Energy Research (ICAER 2015)	Indian Institute of Technology Bombay, Mumbai	15 th - 17 th December, 2015

2.	Rajesh Maithani, Sunil Chamoli, Anil Kumar	National Conference on Recent Innovation in Science and Engineering-2016,	Career point University, Hamirpur	04 th - 05 th March, 2016
3.	Isha Srivastava	International Conference on Technological Advancement in Materials and Manufacturing for Industrial Environment	Coimbatore	04 th - 05 th March, 2016
4.	Isha Srivastava	International conference on Innovative Research in Mechanical Engineering, Automotive and Aerospace Technology	Delhi	23 rd January, 2016
5.	Isha Srivastava	National Conference on Recent Technological Development in Mechanical Engineering	DIT University Dehradun	22 nd - 23 rd January, 2016



Dr. Anil Kumar Patil at International Conference on Advances in Energy Research (ICAER 2015), IIT Bombay

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. Y K Tyagi	4	0
2	Dr. A. K. Patil	1	4
3	Dr. Manoj Kumar	3	3
4	Dr. Ashish Sharma	1	0

7. 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.	Md. Faraz Azeem	Dr. Ashish Sharma	Buckling & Vibration Analysis of Laminated Composite Plates with Elastic Supports	2014	Part Time
2.	Rajeev Pandey	Dr. J.S.Saini & Dr. Manoj kumar	Experimental Investigation on Heat and Fluid flow characteristics of the Rectangular channel having blocks with elongated holes	2014	Part time
3.	Pankaj Singh Chandel	Dr. Y K Tyagi	Interlaminar fracture toughness in composites materials with crack developed between two dissimilar material ply	2014	Part time
4.	R. Rajan	Dr. Y K Tyagi		2014	
5.	Ravi Kumar	Dr. Manoj Kumar	Experimental Investigation of Heat Penetration in large size element at high temperature for sensible heat thermal energy storage system with arranging of thermal energy storage bed material element in order.	2014	Part time
6.	S P Gairola	Dr. Y K Tyagi	Friction stir welding of aluminum	2014	Part time
7.	Md. Aftab Azam	Dr. Y K Tyagi		2014	Part time
8.	Nitin Kumar Gupta	Pursuing course work		2016	Part time
9.	Ashish Kumar			2016	Part 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.	Isha Srivastava	Performance Evaluation of PVD and CVD coated Inserts during End Milling with DRY and MQL condition	International Conference on Technological Advancement in Materials and Manufacturing for Industrial Environment	Coimbatore	04 th - 05 th March, 2016

2.	Isha Srivastava	Investigation of Tool Wear and Surface Finish of Carbide Coated Inserts Under DRY and MQL condition	International conference on Innovative Research in Mechanical Engineering, Automotive and Aerospace Technology	Delhi	23 rd January, 2016
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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.	Isha Srivastava	Effect of dry and MQL condition of CVD inserts	National Conference on Recent Technological Development in Mechanical Engineering	DIT University, Dehradun	22 nd to 23 rd January, 2016

10. Students clubs/Activities

DIT Engineering Students have been manufacturing formula style car under the Entrepreneurship Development Cell. DIT Motoracing is the official FSAE (Formula Society of Automotive Engineers) team of DIT University, which has just entered its 5th year. The team participated in FSI 2016(Formula Student India) which was an international competition held at Buddha International Circuit, Greater Noida. The competition provides an opportunity to design, fabricate and manufacture a Formula-style car. Team consists of 30 members who have their specialization in different departments of car. Over 48 teams participated from all over India and only 9 teams were able to clear all rounds of technical inspection. DM-XVI participated in different static and dynamic events and achieved 4th rank in cost report, skid pad, endurance, 12th in design event and secured 11th rank in the Event . During the main racing event the car achieved 4th position leaving behind many prestigious colleges like IIT Kanpur, Delhi Technical University, Thapar University and many more. DIT Motoracing has already started its work for their next prototype and is planning to participate in Formula Bharat and Formula Student Italy in 2018.



SAE NIS EFFI-CYCLE is an Intercollegiate design competition for the undergraduate and graduate engineering students where team of 6-10 students have to design and fabricate an energy efficient hybrid human powered three wheeled electric vehicle. According to the performances of the each team in the tests, each team is awarded a position for the final run, i.e., Endurance Run.

Team Audacious was included in top ten positions for endurance and secured 38th rank in BAJA SAE India 2016 event.



BAJA SAE India 2016 event.

Department of Computer Science & Engineering

1. Goals

- | |
|--|
| <ul style="list-style-type: none"> Academic excellence and integrity Application of Theoretical Concepts to Real Life Practical Applications Collaborative Research & Development |
|--|

2. Conferences / Seminars/ Workshops organized

Sr. No.	Title/name of the conference/ seminar	Convener/Coordinator	Dates
1.	Agile-Scrum framework	Ajay Shankar	14 th Sept, 2015
2.	Data Visualization using Tableau	Ajay Shankar	29 th - 30 th Sept, 2015
3.	“Computational Techniques” (for the faculty of DITU)	Dr. M.L. Garg	18 th Oct - 07 th Nov, 2015
4.	Pig Hadoop and Hive Hadoop	Ajay Shankar	20 th Nov, 2015
5.	An approach to introductory programming	Ajay Shankar	03 rd Dec, 2015
6.	Fundamentals and Applications of Digital Image Processing”	Ajay Shankar	30 th Dec, 2015
7.	Technology aided and Practical Oriented Innovative Trends in Engineering Education	Ajay Shankar	07 th Jan, 2016
8.	Introduction to Python Programming	Ajay Shankar	08 th Feb, 2016
9.	SPARK Campus Connect Program.	Ajay Shankar	02 nd April, 2016
10.	IBM CE- Enablement Program: Information Management Basics. (For faculty of CSE/IT/MCA/ECE)	Mr. Anuj Kumar Yadav	07 th to 10 th June, 2016

3. Guest Lectures organized

Sr. No.	Name of the expert	Title of the lecture	Date
1.	Mr. Niket Tandon, Max Planck Institute, Germany	Recent Trends in AI and the Web: Automated Acquisition of Common Sense Knowledge.	12 th March, 2016
2.	Mr. Shiva Kumar Narayanaswamy, IBM, India.	Cloud Computing (detailing Bluemix) and Big Data Analytics.	13 th April, 2016

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

Sr. No.	Name of the Author	Title of Paper	Name of the Journal	Volume	Page nos.	Month and Year of publication	Impact Factor
1.	Arvind Kumar Tiwari, Rajeev Srivastava	An affiant approach for the prediction of ion channels and their subfamilies	Computational Biology & Chemistry	58	205-221	Oct 2015	1.4

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	IBM Career Education	IBM Bangalore	09 th Oct, 2015
2.	Dr. M. L. Garg	Cloud Computing	NITTTR Chandigarh	12 th - 16 th Oct, 2015
3.	Dr. M. L. Garg	Mobile Computing	NITTTR Chandigarh	25 th - 29 th Jan, 2016
4.	Dr. M. L. Garg	Cloud Computing & its Applications	IMS Unison University	06 th - 07 th Feb, 2016
5.	Dimple Bajaj	Introduction to Cloud Computing through ICT conducted by CSE Deptt.	DIT University	12 th - 16 th Oct, 2015
6.	Dimple Bajaj	Introduction to Mobil3 Computing through ICT conducted by ECE Deptt.	DIT University	18 th - 22 nd Jan, 2016
7.	Dimple Bajaj	Introduction to Embedded System through ICT conducted by ECE Deptt.	DIT University	08 th - 12 th Feb, 2016
8.	Ajay Narayan Shukla	Introduction to Cloud Computing through ICT conducted by CSE Deptt.	DIT University	12 th - 16 th Oct, 2015
9.	Ajay Narayan Shukla	Introduction to Embedded System through ICT conducted by ECE Deptt.	DIT University	08 th - 12 th Feb, 2016
10.	Anuj Kumar Yadav	Cloud Computing	DIT University	12 th - 16 th Oct, 2015
11.	Anuj Kumar Yadav	IBM CE Enablement Program - Information Management Basics	DIT University	07 th - 10 th June, 2016

12.	Dr. Ashok Kumar	IBM CE Enablement Program - Information Management Basics	DIT University	07 th - 10 th June, 2016
13.	Srabanti Maji	Introduction to embedded system through ICT	DIT University,	08 th - 12 th Feb, 2016
14.	Srabanti Maji	Cloud computing and its applications	IMS Unison University	06 th - 07 th Feb, 2016
15.	Srabanti Maji	Workshop on programming in C : Fundamentals of computational techniques	DIT University	21 st Oct - 07 th Nov, 2015
16.	Srabanti Maji	STC on "Cloud computing through ICT"	NITTTR, Chandigarh	12 th - 16 th Oct, 2015
17.	Akash Shrivastava	STC on "Cloud computing through ICT"	NITTTR, Chandigarh	12 th - 16 th Oct, 2015
18.	Akash Shrivastava	Workshop On Computational Techniques	DIT University	19 th Oct - 07 th Nov, 2015
19.	Mansi Puri	Workshop On Computational Techniques	DIT University	19 th Oct - 07 th Nov, 2015
20.	Mansi Puri	STConGeospatialTechnologiesonurbanplanning	DIT University	11 th Feb - 15 th Mar, 2016
21.	Mansi Puri	STC on "Cloud computing through ICT"	NITTTR, Chandigarh	12 th - 16 th Oct, 2015
22.	Ajay Shankar	Campus Connection Program	Infosys Chandigarh	04 th - 09 th Jan, 2016

6. PhD guidance by the faculty members

Sr. No.	Name of Faculty	No. of students enrolled in DIT University	No. of students enrolled in other Universities
1.	Dr. M.L. Garg	05	Nil

7. 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.	Ajay Narayan Shukla	Dr. M.L. Garg	An improved approach to solve the graph coloring problem	2014	Part Time

2.	Anuj Kumar Yadav	Dr. M.L. Garg Dr. Ritika	An approach for enhanced security in cloud computing environment	2014	Part Time
3.	Vaibhav Kumar	Dr. M.L. Garg Dr. Partha Pratim Roy (IIT Roorkee)	Fuzzy logic based noise reduction technique in low illumination image for scene text detection and recognition	2014	Part Time
4.	Akash Shrivastava	Dr. M.L. Garg	Bio-inspired dynamic data clustering for big data	2014	Part Time
5.	Garima Verma	Dr. Rama Sushil	Identity management in cloud computing	2014	Part Time
6.	Dimple Bajaj	Dr. Rama Sushil	An agile approach for developing mobile cloud application	2014	Part Time
7.	Rakesh Saini	Dr. Ritika	Class layer modification for QoS in wireless sensor networks	2014	Part Time
8.	Rupak Chakaraverti	Dr. Rama Sushil Dr. M.L. Garg	Course Work completed	2015	Part Time
9.	Shakti Kundu	Dr. M.L. Garg	Software Agents based web data mining: An Intelligent Approach	2014	Full Time

8. 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.	Prediction of Splice Site by using Principal Component Analysis and CASE based Reasoning with SVM	Dr. Srabanti Maji, Dr. ML Garg	DIT University Dehradun	2.7 lacs	Jan, 2016	2 years

9. Awards received by the faculty members

Sr. No.	Name of Faculty	Award	Awarding agency/Societies
1.	Ajay Shankar	Faculty excellence award Gold Medal on 29 June 2016	Infosys Chandigarh
2.	Dimple Bajaj	Award for Completing more than 5 year of teaching at DIT Dehradun	DIT University Dehradun
3.	Ajay Shankar	Award for Completing more than 5 year of teaching at DIT Dehradun	DIT University Dehradun

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

Sr. No.	Name of Faculty	Name of Conference and session chaired	Place	Date
1	Ajay Shankar	Principals meet 2016	Infosys, Chandigarh	30 th March, 2016

11. 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.	Mr. Vaibhav Kumar	International Association of Engineers, Hong Kong	Member
6.	Mr. Vaibhav Kumar	International Association of Computer Science and Information Technology	Member
7.	Mr. Vaibhav Kumar	IT society of India, Uttarakhand Chapter	Member
8.	Dr. Ashok Kumar	Computer Science Society of India	Member

12. Faculty members who have delivered Guest Lectures

Sr. No.	Name of Faculty	Title of the Lecture	Place	Date
1.	Ajay Shankar	Agile Methodology	Infosys, Chandigarh	30 th March, 2016

13. 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. Ashok Kumar	A Review on Methods for Query Optimization in Distributed Database	4 th International Conference in TMU Proceeding	Moradabad	20 th - 21 st Nov, 2015
2.	Surya Khanna	Classification of SQL injection using Fuzzy Tainting	4 th International Conference on Advanced Computing, Networking, and Informatics (ICACNI - 2016)	Odisha, India	23 rd Sep, 2016

14. Industrial tours / visits

Sr. No.	Faculty Coordinator name	Place	No. of Students	Date
1.	Ajay Shankar	Chandigarh Infosys	200	02 nd April, 2016
2.	Anuj Kumar Ydav Ajay Shankar	Chandigarh Manali	143	14 th - 19 th Mar, 2016
3.	Ajay Kumar	Chandigarh Manali	182	10 th - 14 th Mar, 2016

15. Best 10 B. Tech Projects during 2015-16

Sr. No.	Name of Student	Guide	Title of Project
01.	Mohan Kalkal	Mr. Vaibhav Kumar	An intelligent social network for readers using neo4j graph database
02.	Utsav Gupta	Mr. Sanjeev Kumar Gangwar	Effort Tracker
03.	Shikha Kumari	Mr. Ajay Shankar	Infosys Internship Program Portal
04.	Harshit Kr. Agarwal Chonzom Rapgay Ankit Kumar Namrata Kumari	Mr. B.K.Gupta	Sentiment Analysis on Twitter Dataset (Using Machine Learning)
05.	Mrinank Verma Pranjal Bisht Prakshi Goyal	Mr Anurag Kumar	Random Music Generator
06.	Anurag Ranjan	Mr T. Santosh	Avarica Game Arena
07.	Abhishek Anand Shah Pooja Arya	Mr Pradeep Singh Rawat	Android Based Multithread Download Manager and Call Forwarding
08.	Raj kumar Raghav Singh Tomar	Ms Nidhi Sethi	Performance improvement of Hybrid content based image retrieval

09.	Aman Ashish Gupta Vishal Kumar Mandakini Chaudhary	Mr Kushal Gupta	Local bus information provider application
10.	Aayush Mehrotra	Mr Mukul Tiwari	Online Clinic System

16. M.Tech Projects

Sr. No.	Name of Student	Guide/Co-guide	Title of Project
01.	Shipra Singh	Dr. M.L. Garg	Development of Mathematical Models for Performance Evaluation of Distributed Computing System
02.	Ankita Arora	Dr. Ashok Kumar	Improvement of the performance of Multi Query Optimization Techniques in Distributed Database Management System
03.	Sakshi Koli	Mr. B.K. Gupta	Sentiment Analysis

17. Student achievements

17.1 Student's clubs/Activities

1. Mohneesh Bhardwaj and Ashish Yadav, B.Tech 2nd year Computer Science & Engg. students, started www.kabaada.com.
2. Ankit Rana, B.Tech CSE-Cloud, 3rd year student, Ultimate Survivor, USP, from 02nd to 03rd October, 2015.

18. GATE/CAT/GRE/ Any other competition

1. Abhilasha Verma: GRE ,Score-306/340
2. Harshit Agrawal: GATE Rank- 2629
3. Ashwina Kumar: GATE Rank - 1121
4. Apar Singhal: GATE Rank - 7124
5. Tamseel Aquib: CAT Percentile - 98.07
6. Sivank Goel: CAT percentile - 96.18
7. Robin Aggarwal: CAT percentile - 96.6
8. Avanitika Sharma: CAT percentile - 96.16
9. Shubham Chhabra: CAT percentile - 94
10. Aman Anand: CAT percentile - 96
11. Mrinank Verma: GATE Rank - 65
12. Anusha Rehanwal: XAT percentile - 99.4



Farewell Photographs

Department of Information Technology

1. Goals

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

2. Conferences / Seminars/ Workshops organized

Sr. No.	Title/name of the conference/ seminar organized/Workshop	Convener/Coordinator/Expert	Dates
1.	Cyber Security	Mr. Deepanshu Khanna	25 th August, 2015
2.	Cloud computing via ICT, NITTTR Chandigarh	Mr. Pradeep Rawat (Coordinator)	12 th - 16 th October 2015
3.	Dockers: Cloud computing	Mr. Ashish Raj	27 th October, 2015
4.	International Summit on Cloud Security	Cloud Security Alliance	10 th April, 2016
5.	Graphic Design Workshop	Mr. Shekhar Halder, Internshala	03 rd February, 2016
6	Excel, Power Point & Word Processor	Dr. Rama Sushil Mr. Amrender	16 th - 21 st May, 2016

3. Guest Lectures organized

Sr. No.	Name of the expert	Title of the lecture	Date
1.	Dr. H.L. Mandoria, Head Dept. of IT, Pantnagar University	IP addressing	26 th February, 2016
2.	Mr. Saurabh Verma, Regional Director, Adobe certified associate world Championship	Microsoft & Adobe Technologies	18 th February, 2016



Prof. H. L. Mandoria, Head Dept. of IT, Pantnagar University, Expert Lecture on "IP Addressing".

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. Rama Sushil	SocProS 2015	IIT Roorkee, Saharanpur campus	18 th - 20 th December, 2015
2.	Garima Verma	Cloud Computing and its applications	IMS Unison University, Dehradun	06 th - 07 th February, 2016
3.	Nitin Thapliyal	Cloud Computing and its applications	IMS Unison University, Dehradun	06 th - 07 th February, 2016
4.	Sandip Mandal	Exposure in MATLAB	National Institute of Technical Teachers Training and Research, Kolkata	26 th December, 2015 to 08 th January, 2016
5.	Snehlata Aswal	Embedded Systems	DIT University, Dehradun	8 th - 12 th February, 2016
6.	Snehlata Aswal	STC on Network Security	IIT Roorkee	01 st - 05 th February, 2016
7.	Snehlata Aswal	QIP on Vision, Graphics and application	IIT Roorkee	04 th to 08 th July, 2016
8.	Mr. T. Santosh	Data Storage and Processing Techniques in Cloud Environment	Indian School of Mines, Dhanbad	01 st - 3 rd June, 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. 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.	Rupak Chakroborty	Dr. Rama Sushil	Image Processing	2015	Part Time
3.	Sandip Mandal	Dr. Rama Sushil	Not available	2015	Part Time

7. 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.	Computer literacy in rural Area	Dr. Rama Sushil Mr Pradeep Rawat Ms. Garima Verma	DIT University	1,25,00.00	6 th February, 2016	1 year

8. Awards received by the faculty members

Sr. No.	Name of Faculty	Award	Awarding agency/Societies
1.	Garima Verma	Best paper award	World Academy of Science & Technology, Phuket, Thailand

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

Sr. No.	Name of Faculty	Name of Conference and session chaired	Place	Date
1.	Dr. Rama Sushil	SocProS 2015:Soft Computing for Problem Solving	IIT Roorkee, Saharanpur Campus	18 th - 20 th December, 2015
2.	Dr. Rama Sushil	RTCIT-2016 (Recent Trends & Challenges in IT)	IMS Unison University, Dehradun	09 th April, 2016

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

Sr. No.	Name of Faculty	Name of Societies	Membership type
1.	Mrs. Garima Verma	Computer Society of India	Life time member
2.	Dr. Rama Sushil	Computer Society of India	CSI Nominee
3.	Dr. Rama Sushil	Tech republic	Life time member
4.	Mrs. Anushree Sah	CSI	CSI Nominee

11. Faculty members who have been delivered Guest Lectures

Sr. No.	Name of Faculty	Title of the Lecture	Place	Date
1.	Dr. Rama Sushil	Cloud computing vs Internet	College of Technology, Pant Nagar University, Pant Nagar.	19th September, 2015

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.	Garima Verma	A review paper on Cloud Identity Management Systems	2 nd International Conference on Cloud Computing and Big Data	Phuket, Thailand	04 th - 05 th June, 2016
2.	Dr. Rama Sushil	Cloud Computing Security	International Summit of Cloud Security Alliance,	DIT University	10 th April 2016
3.	Pradeep Rawat	Power Consumption Analysis Across Heterogeneous Data Center using Cloudsim	2 nd International Conference on "Computing for Sustainable Global Development	Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi	15 th to 18 th March, 2016
4.	Kuntal Chowdhury	Entropy Based Seed Point Detection in Clustering of 3D Data	International Conference on Recent Trends in Mathematical Sciences and Applications (ICRTMSA – 2016)	Department of Mathematics, University of Burdwan, West Bengal	09 th - 11 th Feb, 2016

13. Industrial tours / visits

Sr. No.	Faculty Coordinator name	Place	No. of Students	Date
1.	Sandip Mandal	Chandigarh- Shimla	114	12 th - 16 th Jan, 2016

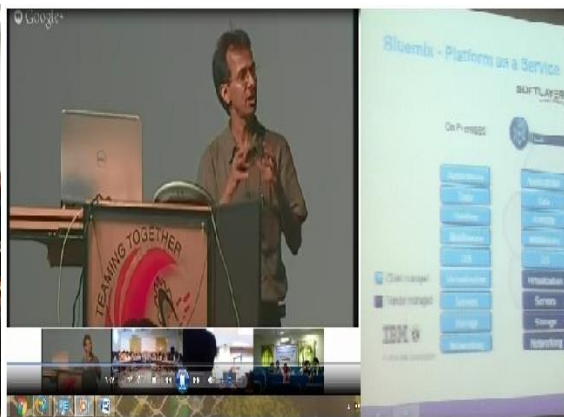
14. Student achievements related to the following areas

1. Sneha Pratap won 1st prize in Group Discussion event of "Amperanza", held on 18th March, 2016 at DIT University.
2. Prakhar Gupta, Yesh Verma and Vikhyat Bisht, stood 2nd in doubles badminton in Spardha in organized from 24th to 26th Nov, 2015 at Pant Nagar University.

3. Prakhar Gupta, and Vikhyat Bisht, bagged 2nd position in doubles, Volleyball tournament in Spardha 2015, 24th - 26th November 2015, at Pant Nagar University.
4. Shubham Joshi, student of 2nd year, secured 3rd position in chess competition, in DIT SPE fest held in October, 2015.
5. Dhruv Virmani stood 1st runner- up in quiz competition organized at DIT University 2015.
6. Rishabh Dev Gupta has under done Training on the topic “Embedded and Robotics” at HP, in the month of July 2015.



Workshop on “Cloud Computing & Hadoop” by Mr Ashish Raj, expert from CETPA Infotech Pvt. Ltd.



Workshop on “Docker: Cloud Technology” by Mr. Vipin Gupta, expert from U-Net Solutions.

15. Articles /chapter published in book

S No.	Name of Authors	Book title & publisher	ISSN/ISBN No.	Name of Co-author
1.	Saurabh Rawat	Quantitative, Savera Publishing house, 2016	ISBN-10: 9381771405 ISBN-13: 978-9381771402	Anushree Sah

Department of Civil Engineering

1. 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. Guest Lectures organized

Sr. No.	Name of the expert	Title of the lecture	Date
1.	Dr. B. D. Patni , Chief Geologist (Retd), N.H.P.C	Ground Improvement Techniques	28 th August, 2015
2.	Er. A. K. Agrawal, General Manager, O.N.G.C. Dehradun	Emerging Trends in Construction Technology	15 th February, 2016

3. Publication by faculty members in reputed SCI/SCIE, journals with Impact factor

Sr. No .	Name of the Author	Title of Paper	Name of the Journal	Volume	Page nos.	Month and Year of publication	Impact Factor
1.	Ajitha Cyriac, Tarumay Ghoshal, Patel Ramkrushnbhai, Shaileshbhai, Arun Chakraborty	Variability of sensible Heat Flux Over the Bay of Bengal and its Connection to Indian Ocean Dipole Events	Ocean Science	51	97-107	2016	0.5

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. Shailendra Kumar Tiwary	An International Conference on “Recent Practices and Applications In Civil Engineering”	Pune, Maharashtra.	25 th to 28 th Nov, 2015

5. PhD guidance by the faculty members

Sr. No.	Name of Faculty	No. of students enrolled in DIT University	No. of students enrolled in other Universities
1.	Dr. Shailendra Kumar Tiwary	2	1

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.	Ms. Dipika Keshri	Dr. Shailendra Kumar Tiwary	Not available	2015	Part time
2.	Mr. Rakesh Kumar Bhunia	Dr. Shailendra Kumar Tiwary	Not available	2015	Part time

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

Sr. No.	Name of Faculty	Name of Conference and session chaired	Place	Date
1.	Dr. Shailendra Kumar Tiwary	National Conference on Role of Civil Engineering in Nation Building (RCNB-2016)	Quantum Global Campus, Roorkee	17 th April, 2016

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

Sr. No.	Name of Faculty	Name of Societies	Membership type
1.	Dr. Shailendra Kumar Tiwary	Institution of Engineers (India)	Life Member
2.	Dr. Shailendra Kumar Tiwary	Indian Society for Technical Education	Life Member
3.	Dr. Shailendra Kumar Tiwary	Indian Road Congress	Life Member
4.	Dr. Harish Chandra Mehndiratta	Indian Road Congress	Life Member
5.	Dr. Harish Chandra Mehndiratta	Indian Society for Desert Technology	Life Member

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.	Mr. Ashish Walia	Effect of Roadway conditions on operating speed of intercity two lane roads	Conference for Transportation Research Group 2015	Kolkata	17 th - 20 th Dec. 2015

10. Industrial tours / visits

Sr. No.	Faculty Coordinator name	Place	No. of Students	Date
1.	Dr. S. K. Tiwary and Mr. Subrata Mondal Ms. Dipika Keshri Mr. Bhushan Kumar Ms. Nisha Lingwal Mr. Rakesh Kumar Bhunia Mr. Ashish Walia Mr. Mohit Somani Mr. Sandeep Kumar Rahul Yadav	Six Days Educational excursion to Chandigarh-Kullu-Manali-Rohtang	174	05 th - 10 th Feb, 2016

11. Best 10 B.Tech Projects during 2015-16

Sr. No.	Name of Student	Guide	Title of Project
01.	Ajay Singh AyushiUniyal Devyansh Pant KushagraSahai Surya Pratap	Dr. S.K. Tiwary Mr. MologyMahato	Design of Multistory Building
02.	Rahul Sharma Ankit Bhardwaj	Mr. Ashish Walia	Modification of Roundabout to Avoid Interlocking During Heavy Traffic Condition-A Case Study
03.	AbhisekhBadola Anil Kumar Sah AnkitPokhriyal	Mr. MologyMahato	Design of RCC Overhead Tank for Makkawala Village
04.	Piyush Jain Rajesh Rawat Shrey Jain VaibhavBisht	Dr. S.K. Tiwary Mr. MologyMahato	Housing for Slum Dwellers

05.	Ankit Kumar	Mr. SagarTandon	Use of LWA as Partial and Full Replacement of Coarse Aggregate for Internal Curing
06.	Harshal Kumar Pradeep Joshi	Mr. SubrataMondal	Traffic Study of Dehradun from ISBT to DilaramChowk
07.	Sukant Mishra	Mr. SubrataMondal	Characteristics of Sewage and Design of Sewage Treatment Plant
08.	Amit Kumar Shah	Mr. Shivraj Singh Meena	Glass Fibre Reinforced Concrete
09.	Shivam Kapoor Abijeet Singh Kuldeep Singh TarunUniyal	Mr. MoloyMahato	A Study on Mechanical Behaviour of Hair Fibre Reinforced Concrete
10	Gaurav Kumar Abhisekh Kumar Christopher Reang MipiaDebbarma Kanchan	Dr. S.K. Tiwary	Design of High Performance Concrete

12. Student achievements

12.1 Students clubs/Activities etc.

12.1.1 ‘Samarthya’- The student's club is formed for the enhancement of technical environment by organizing various technical activities. The club successfully organized a program ‘**Synergy 2015**’.



Synergy 2015

12.2 Intercollegiate festivals :

- Pulkit Aggrawal, Shubham Garg, Shubham Agarwal and Navneet Singh won 1st prize at a workshop ‘Siesmica- 2015’ held at IIT-BHU in 2015.
- Nimish Aggrawal, Sanskardevara, Rohit Kumar and Mrigendra Mishra won 2nd prize at a workshop on "Green Building" held at IIT-Mumbai in 2015.
- Rajat Sharma, Prateek Saini and Saransh Arora won 2nd prize in a workshop on "Foundation Analysis" held at IIT Roorkee in 2015.

Department of Petroleum Engineering

1. Goals

Goals

- To develop skilled manpower of highest quality to meet complex technological needs for economic development of the country.
- To provide support to research, consultancy, and development activities in all technical as well as professional aspects.

2. Conferences / Seminars/ Workshops organized

Sr. No.	Title/name of the conference/ seminar organized	Convener/Coordinator	Dates
1.	SPE, DIT Student Chapter	Mr. Gaurav Richhariya	18 th - 20 th March, 2016

3. Guest Lectures organized

Sr. No.	Name of the expert	Title of the lecture	Date
1	Advancement on Artificial Lift	Mr. Rakesh Kapoor, DGM, ONGC, Dehradun	03 rd April, 2015
2	Offshore Reservoir Management	Mr. Anupam Saxena, DGM, ONGC, Dehradun	04 th April, 2015
3.	Drilling Practices and Risk Assessment Associated with petroleum operations	Mr. Anil Sachan, Executive Director, IDT, ONGC, Dehradun	18 th March, 2016
4.	Career opportunities in Petroleum Industry and Allied Sector	Dr. A. K. Mishra, General Manager, ONGC Academy, Dehradun	18 th March, 2016
5.	City Gas Distribution and Oil and Gas Infrastructure	Dr. B. S. Negi, Former Member of MoPNG	19 th March, 2016
6.	Application of Drilling Fluid in Drilling Operations	Mr. Ratan Singh, Chief Engineer, Drilling Fluid Section, IDT ONGC, Dehradun	19 th March, 2016



A guest lecture has been delivered by Mr. Rakesh Kapur, DGM Production, ONGC Ahmedabad on Advancement in Artificial Lift Techniques on Feb 2015

4. Publication by faculty members in reputed SCI/SCIE, journals with Impact factor

Sr. No.	Name of the Author	Title of Paper	Name of the Journal	Volume	Page nos.	Month and Year of publication	Impact Factor
1.	Jain, R., Mahto, T.K., and Mahto, V.	Rheological investigations of water based drilling fluid system developed using synthesized nanocomposite.	Korea-Australia Rheology Journal	28	55-65	2016	1.1
2.	Jain, R., and Mahto, V.	Evaluation of polyacrylamide/clay composite as a potential drilling fluid additive in inhibitive water based drilling fluid system.	Journal of Petroleum Science & Engineering	133	612-621	2015	1.7
3.	Jain, R., Mahto V., and Sharma, V.P.	Evaluation of polyacrylamide-grafted-polyethylene glycol/silica nanocomposite as a potential additive in water based drilling mud for reactive shale formation.	Journal of Natural Gas Science and Engineering	26	526-537	2015	2.1

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. Upendra Singh Yadav	Petroleum Refining and Petrochemical (IOCL and Petrotech)	New Delhi	06 th - 10 th June, 2016
2.	Dr. Upendra Singh Yadav	Latest Trends in Petroleum Exploration	KDMIPE ONGC, Dehradun	04 th - 06 th Feb, 2016
3.	Dr. Upendra Singh Yadav	Drilling Technology	Institute of Drilling Technology (IDT) ONGC, Dehradun	08 th Oct, 2015
4.	Mr. Gopal Kumar	Latest Trends in Petroleum Exploration	KDMIPE ONGC, Dehradun	04 th to 06 th Feb, 2016

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.	Mr. Gaurav Richhariya	Prof. D.N. Saraf	Self-Healing Cement	2015	Part-time

7. Awards received by the faculty members

Sr. No.	Name of Faculty	Award	Awarding agency/Societies
1.	Dr. Rajat Jain	1 st Prize for Paper Presentation in WPCC'16	WPCC'16

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

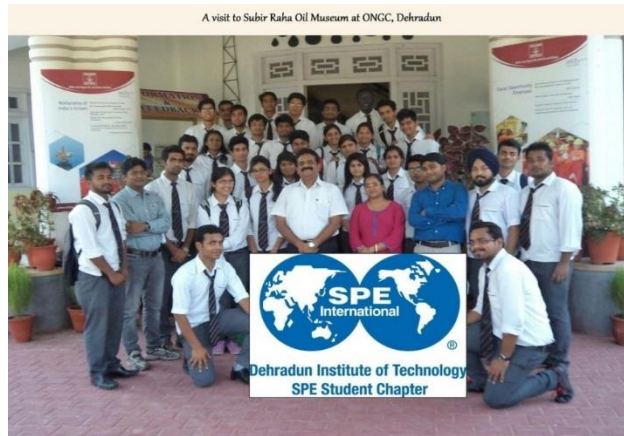
Sr. No.	Name of Faculty	Name of Societies	Membership type
1.	Dr. Upendra Singh Yadav	SPE	Life Member
2.	Dr. Rajat Jain	SPE	Life Member

9. 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. Rajat Jain	Development of Water Based Drilling Fluid with Polyacrylamide Grafted Xanthan Gum/Silica Nano Composite for Reactive Shale Formation	WPCC'16	New Delhi	15 th - 17 th Feb, 2016

10. Industrial tours / visits

Sr. No.	Faculty Coordinator name	Place	No. of Students	Date
1.	Dr. UpendraSingh Yadav	Ahmedabad/Mehsana/Vadodara	75	29 Feb.-05 March 2016
2.	Mr. Gopalkumar and Ms. Dipika Keshri	IDT ONGC Dehradun	75	September 2015



A visit of 2nd Year Students to Oil Museum Tel Bhavan, ONGC Dehradun

11. Student achievements related to the following areas

11.1 Research activities:

- Saket Kumar, Sumit Kumar, Shubham Singhal and Kunal Tyagi, got 2nd prize in 6th World Petro Coal Congress (WPCC)-2016 conference held at New Delhi.
- Pulkit Chaudhary and Srinivasa Reddy got 3rd prize in 6th World Petro Coal Congress (WPCC)-2016 conference held at New Delhi.
- A research paper by S. Kumar, titled "*Production of Energy from Used Coffee Ground*".has been accepted for publication in *DEW Journal*.
- Akaash Kumar, Avinash Sharma, Ankit Kumar, Atul, Mahto, Vikas & Upendra Yadav presented a paper on "*Aspects of Sustainable Shale Gas in India*" at Indian Technology Congress, IIT Kharagpur India.
- Arpit Vats presented a paper on "*Natural Gas vs Coal*" in the National Conference of Unconventional Hydrocarbon resources, Chennai during March, 2015.
- Arpit Vats presented a review paper on "*Cellulosic Ethanol as a Biofuel*" at RGIPT, 2015.
- Arpit Vats presented paper on "*Algae Biofuel: potential and challenges*" at UPES, Dehradun during Feb, 2015.
- Divyaanshu Sharma, Parth Agarwal presented two papers in *National Conference on Unconventional Hydrocarbon Resources (NCUHR-15)* held at RGCE, Chennai
Crude price inflation affecting sustaining conditions HSE- building sustainable scenario.
- Kamlesh Pandey and V. Sriram won 2nd Prize for presenting paper on "*Acidization of CBM wells*" at National Conference on Unconventional Hydrocarbon Resources organized by Rajiv Gandhi College, Chennai in 2015.

Department of Electrical Engineering

1. Goals

To establish the center of Excellence in the area of Power Electronic & Drives & Renewable Energy Resources. To start full time PhD Programs.
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2. Conferences / Seminars/ Workshops organized

Sr. No.	Title/name of the conference/ seminar organized	Convener/Coordinator	Dates
1.	Energy Management through ICT	Mr. Gaurav Khanduri/ Mr. Ranjay Singh	08 th - 12 th Feb, 2016

3. Guest Lectures organized

Sr. No.	Name of the expert	Title of the lecture	Date
1.	Professor R.C. Bansal	The Challenges of Power Generation of Conventional & Renewable Energy Resources	08 th Jan, 2016.
2.	Professor Anil Pahwa	Smart Grid	09 th Jan, 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.	Mr. Saurabh Awasthi and Mr. Ranjay Singh	Workshop on Energy Efficiency & Energy Conservation Technology	Ordinance Factory, Dehradun	01 st Sep, 2015
2.	Mr. Mohit Bajaj	International Conference on INDICOM	Delhi	17 th - 20 th Dec, 2015
3.	Mr. Mohit Bajaj	International Conference on Control Communication & Computing (ICCC)	Kerala	19 th - 21 st Nov, 2015
4.	Mr. Ranjay Singh	International Conference on ICECCME	Chandigarh	01 st May 2016

5. PhD guidance by the faculty members

Sr. No.	Name of Faculty	No. of students enrolled in DIT University	No. of students enrolled in other Universities
1.	Dr. Gagan Singh	8	-

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.	Mohit Bajaj	Dr. Gagan Singh	Doing Course Work	2015-16	Part Time
2.	Jasbir Singh	Dr. Gagan Singh	Doing Course Work	2015-16	Part Time

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

Sr. No.	Name of Faculty	Name of Conference and session chaired	Place	Date
1.	Dr. Gagan Singh	National Conference on latest trend in Engineering	COER, Roorkee	15 th Dec, 2015

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

Sr. No.	Name of Faculty	Name of Societies	Membership type
1.	Dr. Gagan Singh	ISTE	Life Member

9. Industrial tours / visits

Sr. No.	Faculty Coordinator name	Place	No. of Students	Date
1.	Dr. Gagan Singh	Bangalore & Mysore	210	14 th - 23 rd Jan, 2016

10. Student achievements

10.1 Students clubs/Activities etc.:

Students participated in DIT Motoracing on 20th Jan 2016, at Buddha International Circuit, Greater Noida

Department of Mathematics

1. Goals

- To achieve academic excellence and integrity.
- To attain outstanding teaching and services.
- Encourage lifelong learning process.
- To ensure the all-round development of the students and provide a sound academic environment.
- To introduce the Under Graduate and Post Graduate courses in Mathematics. A new programme B. Tech+ M.Tech. in Scientific Computing (Five Year integrated) is introduced jointly with CSE starting from July 2016. It has been already approved by BOS and will give a boost to advanced programming. It will boost the Mathematical abilities of the faculty for research.

2. Conferences / Seminars/ Workshops organized

Sr. No.	Title/name of the conference/ seminar organized	Convener/Coordinator	Dates
1.	Mathematical and Statistical Techniques and Their Applications to Science and Engineering (MSTASE-2015)	Dr. Jogendra Kumar	20 th -21 st Nov, 2015

3. Guest Lectures organized

Sr. No.	Name of the expert	Title of the lecture	Date
1.	Dr. M. K. Kadalbajoo, IIT Kanpur	Computational Mathematics- Some Challenges	04 th March, 2016
2.	Dr. R. K. S. Rathore, IIT Kanpur	Emerging Trends in studying MRI	21 st April, 2016
3.	Dr. Amitabh Tripathi IIT Delhi	On solved & unsolved problems in Number Theory	02 nd April, 2016

4. Publication by faculty members in reputed SCI/SCIE, journals with Impact factor

Sr. No.	Name of the Author	Title of Paper	Name of the Journal	Volume	Page nos.	Month and Year of publication	Impact Factor
1.	Mandeep Singh, Amit K. Verma	An Effective Computational Techniques for a class of Lane-Emden Equation	Journal of Mathematical Chemistry	54	231-251	2016	1.145

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.	Ms. Seema Yadav	Workshop on Entrepreneurship	DIT University, Dehradun	30 th May-10 th June, 2016
2.	Dr. Jogendra Kumar			
3.	Dr. Shilpi Singhal			

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. Rakesh Mohan	02	01

7. 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	Ms. Seema Yadav	Dr. Rakesh Mohan	Performance Evaluation of Distributed Processing System Using soft Computing Techniques	2014	Part Time
2	Ms. Pratibha Tyagi	Dr. Rakesh Mohan and Dr. Ratnesh Mishra	Commutative Rings Graded by Finitely Generated Abelian Groups	2015	Full 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.	Dr. Jogendra Kumar	Oscillatory Magneto-convection in a Viscoelastic Fluid Saturating a Porous Medium	International Conference of International Academy of Physical Sciences	Allahabad University, Allahabad	22 nd - 24 th Dec, 2015

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. Pooja S. Saxena	Economic Optimization of Webar Type Problems	MSTASE-2015	DIT University	20 th Nov, 2015
2.	Dr. Vinod Gupta	Study of Heat and Mass Transport in couple stress Liquid under G-jitter Effect			
3.	Dr. Robin Singh	Effect of Damping on Thermally induced Vibrations of an Orthotropic Rectangular Plate with varying Thickness.			
4.	Dr. Anil Upadhyay	Common Fixed Point Theorem for sequence of Mappings			
5.	Ms. Pratibha Tyagi	Grobner Bases - revisited			

Department of Chemistry

1. Goals

- To provide the best available basic knowledge and 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.
- To start full time M.Tech programme in instrumental method in chemical analysis (chemistry) and health safety and environment (environmental sciences).

2. Guest Lectures organized

Sr. No.	Name of the expert	Title of the lecture	Date
1.	Dr Ruchi Badola, Scientist-G/ Senior Professor Deptt. Eco development Planning & Participatory Management Wildlife Institute of India, Dehradun	Biodiversity Conservation: Need Approach And Challenges	28 th March, 2016

3. Publication by faculty members in reputed SCI/SCIE, journals with Impact factor

Sr. No.	Name of the Author	Title of Paper	Name of the Journal	Volume	Page nos.	Year of publication	Impact Factor
1.	Dr Naveen Singhal	Influence of pretreatment processes onto bio-methanation of wheat straw	Journal of Renewable and Sustainable Energy	7	053109	2015	1.51
2.	Suheel K Porwal	Identification of Non-nucleoside Human Ribonucleotide Reductase Modulators	Journal of Medicinal Chemistry	58	9498-9509	2015	5.589.

3.	Suheel K Porwal	Synergism between genome sequencing, tandem mass spectrometry and bio-inspired synthesis reveals insights into nocardioazine B biogenesis	Organic & Biomolecular Chemistry	13	7177– 7192	2015	3.487
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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. Manisha Duseja	National Seminar on Upgradation and commercialization of Biogas	UPES, Dehradun	08 th July, 2016
2.	Dr. Suheel Kumar Porwal	Intellectual Property Right: In House Patent Filing	Uttarakhand Technical University	24 th Aug, 2015
3.	Dr. Suheel Kumar Porwal	Faculty development program	DIT University Dehradun	30 th May - 10 th Jun, 2016
4.	Dr. Jabrinder Singh	Coordinators workshop on Environmental Studies	IIT, Bombay	23 rd - 28 th March, 2015
5.	Dr. Jabrinder Singh	Short term course on Remote Sensing and Geog. Info. System	IIRS, Dehradun	Nov. 2015
6.	Dr. Devendra Narayan Tripathi	Faculty Development Program	DIT University Dehradun	30 th May - 10 th Jun, 2016
7.	Dr. Devendra Narayan Tripathi	103 rd Session of Indian Science Congress	Mysuru University, Mysuru	03 rd - 07 th Jan, 2016

5. Awards received by the faculty members

Sr. No.	Name of Faculty	Award	Awarding agency/Societies
1.	Dr. Jabrinder Singh	Excellence Award for Conducting Environment Workshop (June, 2015).	IIT Bombay

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

Sr. No.	Name of Faculty	Name of Societies	Membership type
1.	Dr Naveen Singhal	Indian Society For Analytical Scientist	Life Member
2.	Dr Manisha Duseja	Association of carbohydrate Chemists and Technologists	Life Member
3.	Dr. Devendra Narayan Tripathi	International Academy of Physical Sciences	Life Member
4.	Dr. Devendra Narayan Tripathi	Indian Science Congress Association	Life Member
5.	Dr Tanveer I. Siddiqui	Indian Society of Chemists And Biologists	Life Member
6.	Dr Tanveer I. Siddiqui	Indian Peptide Society	Life Member

7. Students Achievements

7.1 Activities of Student Club “Prithvi”, the Environment Club

- A guest lecture on “Biodiversity Conservation: Need Approach and Challenges” was delivered by Dr Ruchi Badola, Scientist-G / Senior Professor, Department of Eco Development Planning & Participatory Management Wildlife Institute of India, Dehradun, on 28th March 2016.
- A Quiz Competition on “Latest Environmental Issues” was organized on 15th April 2016.



Swachh Bharat Aabhiyaan on 1st Febuaury, 2016



Plantation Drive on 14th April, 2016

Department of Humanities & Social Sciences

1. 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
01.	Dr. Shrawan Kumar Sharma, Gurukul Kangri, University, Haridwar	Values , Ethics and Social Responsibility	01 st April, 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.	04 th - 06 th July, 2016
2.	Dr. Vijay Negi	International Seminar on Emerging Trends in Contemporary Literature at University College,	Kurukshetra University, Kurukshetra, Haryana	16 th March, 2016
3.	Dr. Vijay Negi	Salient Undercurrents in the Post- Independence Indian Fiction in English	Maharaja Agrasen Mahavidyalya, Jagadhri, Haryana	19 th Feb, 2016
4.	Ms. Anugrah R. Lall	International Conference English Language and Literature: Retrospects and Prospect at	Bishop Heber College, Tiruchirappalli, Tamil Nadu	04 th - 05 th Feb, 2016
5.	Dr. Vijay Negi	International Seminar on Multiculturalism & Globalism: India and the world	O P Jindal Global University, Sonipat, Haryana	25 th - 27 th Jan, 2016

6.	Ms. Anugrah R. Lall	One day QIP Workshop on Industry and Society: Contours of Work in the new Economy	IIT, Roorkee	16 th Jan, 2016
7.	Ms. Anugrah R. Lall	Short Term Course on “Research Methodology”	UTU, Dehradun	23 rd - 30 th June, 2016
8.	Dr. Kiran B. Mangain	Short Term Course on “Research Tools and Technique and Software Applications for Quality Research”	IIT Roorkee	13 th - 17 th June, 2016

4. PhD guidance by the faculty members

Sr. No.	Name of Faculty	No. of students enrolled in DIT University	No. of students enrolled in other Universities
1.	Dr. Vijay Negi	02	NA

5. 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.	Neha Agarwal	Dr. Vijay Negi	Social Constraints and Beyond: Search for Self in the Short Stories of Alice Munro	2013	Full Time
2.	Anamika Lall	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

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	04 th - 06 th July, 2016

7. 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.	Ms. Pramod Rai	Indian English: Idiosyncrasies and Intelligibility	Fourth International Conference on Interdisciplinary Social Science Studies	Cambridge, United Kingdom.	04 th - 06 th July, 2016
2.	Dr. Vijay Negi	Image of India in Rohinton Mistry's <i>A Fine Balance</i>	Emerging Trends in Contemporary Literature	University College, Kurukshetra University, Kurukshetra, Haryana	16 th March, 2016
4.	Ms. Anugrah R.Lall, Dr. Vijay Negi	Psychological Analysis of the Immigrants Experience in the Short Stories of Chitra Banerjee	English Language and Literature: Retrospects and Prospect at	Bishop Heber College, Tiruchirappalli, Tamil Nadu	04 th - 05 th Feb, 2016
5.	Dr. Vijay Negi	Nostalgia in Rohinton Mistry's <i>Tales from Firozsha Baag</i>	Multiculturalism & Globalism: India and the world	O P Jindal Global University, Sonipat, Haryana	25 th - 27 th Jan, 2016

8. 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. Vijay Negi	Marginalization and the Politics of Diaspora in Rohinton Mistry's <i>A Fine Balance</i>	Salient Undercurrents in the Post-Independence Indian Fiction in English	Maharaja Agrasen Mahavidyalya, Jagadhri, Haryana	19 th Feb, 2016

9. Student achievements:

9.1 Students Clubs/Activities:

9.1.1 SPIC MACAY

The DIT chapter of SPIC MACAY was inaugurated in April 2012. The club promotes Indian culture among youth through classical music and dance events.

DIT chapter of SPIC MACAY organized the following programs:

- 'Garhwali Folk Dance' was organized on 18th August, 2015. It was presented by Sangam Saanskritik Samiti, which is one of the most accomplished folk dance groups of Utrakhand.
- Manipuri Dance 'Pung Cholom' was organized on 19th October, 2015. It was presented by Guru L. Yaima Singh and his team.
- Bharatanatyam Dance by Padam Shree Awardee Geeta Chandra Ji was organized on 29th March 2016.





SPIC MACAY events

9.1.2 MESMERONICA

- The musical club aims at exploring hidden musical talents in students in different genres i.e., instrumental, Indian, classic and folk music.
- Mesmoronica, the music club of DIT University, organized DIT Idol 2015.
- The Finale of DIT IDOL was conducted in Vedanta Auditorium on the evening of Friday 16th October 2015.



Winner of DIT IDOL 2015-16



Members of PDC Club

9.1.3 PERSONALITY DEVELOPMENT CLUB (PDC)

- Personality Development Club (PDC) aims at the overall grooming of the personality of students by assessing their areas of weakness and working on them to bring about a positive transformation.

Major Events in 2015:

- BrainO Challenge on 10th Feb, 2015: This was the first phase of challengO'15, where the participants were tested on aptitude and branch related questions.
- SportO Challenge, 13th to 14th Feb, 2015: This was the second phase of ChallengO'15, in which we a basketball match was organised.
- HybridO Challenge on 16th Feb, 2015: This was the last phase of challengO'15. It was a combination of BrainO and SportO in which a relay race with puzzles was organised.
- Felicitation Ceremony on 2nd March, 2015

- Orientation (2nd Sep, 2015): Mentors were provided to first year students to guide them and help them to get settled in the new environment.
- Confidence Building Workshop (3rd Sep, 2015): The workshop was conducted by Mr. Faiz Shahzad for 168 students from 1st year and focussed on ways to build confidence.
- Youth Awareness and Peer Pressure (9th Sep, 2015): In this session real life examples and practical problems were discussed with 250 students.
- Career Drive (26th to 31st Oct, 2015): It comprised of Personality Test, Group Discussion and Personal Interview.
- Personality Test (26th Oct, 2015): A test which comprised of questions to test both IQ and EQ.

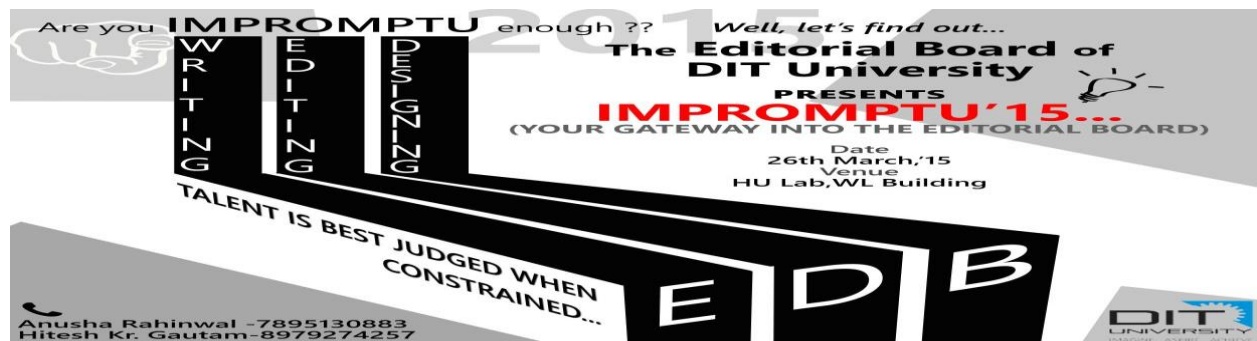
9.1.4 THE EDITORIAL BOARD

The Editorial Board is the ideal platform to exhibit and hone the immense talent of budding professionals. It consists of teams for Creative Writing, Editing and Designing of University publications.

The Editorial board publishes a quarterly newsletter “Aarohan”.

Impromptu, on the spot competition was held on 26th March, 2015 to select the students’ members for the Editorial Board in English and Hindi creative writing skills, and Designing (Manual and Digital).

E-Newsletter Campus Scoop was started and uploaded on website on 01st Feb, 2016



9.1.5 WRITER’S INK

Writer’s Ink club was officially inaugurated on 3rd Feb, 2015. The following events were organized by this club:

- Thematic Apperception Test (TAT) on 06th Feb, 2015
- Get Going on 08th Feb, 2015
- Spell Bee on 14th Feb, 2015
- Plan Making on 16th Feb, 2015
- Just A Minute(JAM) on 17th Feb, 2015
- Prize Distribution on 17th March, 2015
- Journal Writing on 12th Sep, 2015
- Turn Court on 13th Sep, 2015
- Shipwreck on 14th Sep, 2015

- Audio Article on 15th Sep, 2015
- Prize Distribution on 18th Oct, 2015



9.1.6 The Red Ribbon Club

The Red Ribbon club formed by DIT University, Dehradun in association with Uttarakhand State AIDS Control Society (USACS).

The club aims at spreading awareness about AIDS and its prevention through various competitions like Slogan Writing, Painting, Quiz, Essay Competition etc.

- The first event was a Quiz Competition which was arranged to develop an inquisitive attitude among the students on 26th October, 2015.
- A story writing competition was organized on the topics relating to the social implications of AIDS in order to bring out the creativity of the participants on 27th October, 2015.
- A Poster making competition was organized on 28th October, 2015.
- An event on Elocution was also organized in which the participants spoke on the impact of AIDS on society. The students visiting the help desk of RRC and all the participants of the events were also encouraged to write slogans on the subject of the consequences of AIDS, both in Hindi and in English on 30th October, 2015.
- In the even semester a Blood Donation Camp was organized in the campus by the Indian Medical Association(IMA) and Shri Mahant Indresh Hospital, where the Red Ribbon Club members contributed by promoting the event and volunteering for the same on 12th to 14th March,2016.

9.1.7 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.

Major events of the club are as follows:



- “Membership Drive” for freshers by setting stalls on their Registration Days. (1st August to 06th August’2015).
- “Rajbhasha Mahotsava”(01st to 15th September 2015) which included eight events viz. Kalakriti Vaakyudh Sarvagyam Chitra Vyakhyaan Jhankaar Rachna Yakshprashn And Kavi Sammelan.
- Video Shoot- “Hindi ke liye kuch bhi karega” to promote Hindi among Youth (September 2015).
- “Felicitating Teachers with greeting cards made by club members on “Teacher’s Day” (05th Sep, 2015).
- Series of “Weekly Aptitude Test” (Every Thursday)
- “Munshi Premchand Essay and Story Writing Competition” (On his death anniversary-8th October).
- “Story Mirror-Essay, Story and Painting competition” (November, 2015).
- LC members participated in national “Ramkrishna Mission Essay Writing Competition” (September, 2015).
- LC members participated in IIT Delhi fest- “Rendezvous’15”
- Participations from LC members in “euttaranchal- Online Essay Competition”(October, 2015)
- “Navodit Swar-Hindi Poetry Competition”(November, 2015)
- “Unity Day celebration”(31st October, 2015)
- Visit to orphanage on the occasion of Raksha Bandhan and Dussehra
- Organized Swami Vivekananda’s 153rd Birth Anniversary (12th January, 2016)
- Workshop on “Adobe Photoshop”(January, 2016)
- Deshprem Mahotsava (23rd January to 23rd March, 2016) which includes twelve events viz Fantasy Inc., Shuttle Relay, 3D Sketching, Turn Coat, Calligraffiti, Reduce Reuse Recycle, Ethnic Singing, The Intellect, Wazir, Quiz, Photrico, Show Case
- LC members participated in National Debate Competition at SBS Balawala (11th to 12th February, 2016)
- LC members participated in Anti-Drugs and Addiction program (17th February, 2016)
- Workshop on “Chalk Carving” (March, 16).
- “Annual General Meet” of club (April, 16).
- “Milan”-bidding farewell to 4th year LC members and “Closing of the club for the session 2015-2016” (May, 16).

Department of Physics

1. 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 start Under Graduate and Interdisciplinary Post Graduate programs.
- To organize guest lectures, workshops, and conferences 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.	22 nd National Conference On Liquid Crystals NCLC-22	Dr. Ravi K. Shukla,	21 st - 23 rd Dec, 2015
2.	Mini-workshop on "Popularization of Science"	Dr. Surbhi Sachdev (Chairperson) Dr. Partha Sarathi Mondal (Convener)	02 nd Mar, 2016

3. Publication by faculty members in reputed SCI/SCIE, journals with Impact factor

Sr. No.	Name of the Author	Title of Paper	Name of the Journal	Volume	Page nos.	Year of publication	Impact Factor
1.	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	46	12167- 12171	2016	2.758
2.	Preeti Sharma, Parve en Kumar, R.S. Kundu, J.K. Juneja, N. Ahlawat, R. Punia	Structural and Dielectric Properties of Substituted Barium Titanate Ceramics for Capacitor Applications	Ceramics International	41	13425- 13432	2015	2.758

3.	Dipti, Parveen Kumar, J.K. Juneja, Chandra Prakash	Multiferroic Properties of Composites of PLZT and Substituted CoFe_2O_4	Journal of Ceramic Process Research	16	432-437	2015	0.34
4.	R.K. Shukla, A Sharma, T Mori, T Hegmann, W Haase	Effect of two different size chiral ligand-capped gold nanoparticle dopants on the electro-optic and dielectric dynamics of a ferroelectric liquid crystal mixture	Liquid Crystals	6	695-703	2016	2.24
5.	Samta Chauhan, Amit Kumar Singh, Saurabh Srivastava and Ramesh Chandra	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	187-193	2016	2.34
6.	Samta Chauhan and Ramesh Chandra	Influence of antisite disorders on the magnetic properties of double perovskite $\text{Nd}_2\text{NiMnO}_6$	Solid State Communications	74	242	2016	1.5
7.	Amit Sanger, Ashwani Kumar, Samta Chauhan, Yogendra K. Gautam, Ramesh Chandra	Fast and reversible hydrogen sensing properties of Pd/Mg thin film modified by hydrophobic porous silicon substrate	Sensors and Actuators B: Chemical	213	252-260	2015	3.4

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.	Samta Chauhan	International conference on Condensed Matter and Applied Physics, ICC-2015	Bikaner, Rajasthan, India	30 th - 31 st Oct, 2015

5. PhD guidance by the faculty members

Sr. No.	Name of Faculty	No. of students enrolled in DIT University	No. of students enrolled in other Universities
1.	Dr. Parveen Kumar	01	0
2.	Prof. Manoj Bhatnagar	01	0

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.	Khusboo	Dr. Parveen Kumar	Synthesis and Characterization of Binary/Ternary Systems of BaTiO ₃ -PbZrO ₃ -RFeO ₃ (R = Bi, Sm etc.)	2015	Full time

7. Sponsored projects undertaken by faculty members

Sr. No.	Title of the Project	PI(s)/Co-PI (s)	Sponsor agency	Cost (INR)	Date of Sanction	Duration
1.	Synthesis and Characterization of Magneto-electric Composites with 2-2 type Connectivity	Dr. Parveen Kumar	DIT University	1,40,000/-	May 2016	1 year
2.	Liquid crystalline gel phases as electrolytes	Dr. Ravi Kumar Shukla	DIT University	1,50,000/-	May 2016	1 1 year

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

Sr. No.	Name of Faculty	Name of Conference and session chaired	Place	Date
1.	Prof. S K Gupta	22 nd National Conference on liquid crystals (nclc22)	DIT University	22 nd - 23 rd Dec, 2015
2.	Prof. Manoj Bhatnagar	22 nd national conference on liquid crystals (nclc22)	DIT University	22 nd - 23 rd Dec, 2015

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

Sr. No.	Name of Faculty	Name of Societies	Membership type
1.	Dr. Partha Sarathi Mondal	Materials Research Society of India	Life (from 2007)
		American Physical Society	Regular (from 2012)
		International thermoelectric Society	Annual (from 2013)
2	Dr. Ravi Kumar Shukla	Liquid Crystal Society of India	Life
		Materials Research Society of India	Regular
3.	Ms. Samta Chauhan	Materials Research Society	Life
		IEEE	Life
5.	Dr. Anuj Kumar	Materials Research Society of India	Life
		Indian Physical Society	Life
		Indian Physics Association	Life
6.	Prof. S K Gupta	Institute of Physics, UK	Life

Department of Computer Applications (MCA)

1. Goals

- To achieve academic excellence and integrity. Empower Scholarly research and professional leadership. Appreciation of intellectual excellence and creativity. Inculcating global perspective in attitude.
- To develop integration of human values, ethics and professional etiquettes with teaching. Encourage quest of life-long learning. Inculcating global perspective in attitude.

2. Conferences / Seminars/ Workshops organized

Sr. No.	Title/name of the conference/ seminar organized	Convener/Coordinator	Dates
1.	Excel, Power Point & Word Processing	Dr. Ritika	16 th - 21 st May, 2016
2.	Cloud Computer Basics/Cloud Sim by Mayank Aggarwal, Head CSE, Gurukul Kangri University, Haridwar	Dr. Ritika	08 th February, 2016
3.	PHP by Cetpa Infotech Pvt. Ltd.	Dr. Ritika	14 th March, 2016
4.	Fundamentals Of Computational Techniques	MCA Dept.	19 th October, 2015
5.	Robotics and its Applications by Mr. Ratnadiya Tiwari from Ducat, Noida	Dr. Ritika	21 st August, 2015
6.	Cloud Computing	Mr. Nishant, GKV, Haridwar Dr. Mayank Aggarwal, GKV, Haridwar (IBM Cloud Advisor)	04 th September 2015

3. Guest Lectures organized

Sr. No.	Name of the expert	Title of the lecture	Date
1.	Prof. M. N. Hoda, Director, Bharati Vidyapeeth Institute of Computer Applications and Management, New Delhi	Campus to Corporate - A Technical Perspective	11 th April, 2016



Prof. M. N. Hoda, Director, Bharati Vidyapeeth Institute of Computer Applications and Management with Dr. Ritika Head MCA Dept.

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	Mr. Rakesh Saini	Research tool & techniques for quality research	IIT Roorkee	13 th - 17 th June, 2006
2	Dr Ritika, Mr. Rakesh Saini,	WhatsApp Hacking and Security conducted by i3indya Technologies	ECE Department, DIT University, Dehradun	04 th - 05 th March, 2016.
3	Dr. Ritika, Mr. Ashish Saxena, Mr. Rakesh Saini, Mr. Deepak Sharma	Introduction to Embedded Systems	CAD Lab, DIT University, Dehradun	08 th - 12 th February, 2016
4	Dr. Ritika, Mr. Ashish Saxena, Mr. Deepak Sharma	Cloud Computing and its applications organized by School of Computer Applications(SOCA)	IMS Unison University, Dehradun	06 th - 07 th February, 2016
5	Dr. Ritika, Mr. Ashish Saxena, Mr. Rakesh Saini, Mr. Deepak Sharma	Mobile Computing through ICT	Venue: CAD Lab, DIT University, Dehradun	25 th - 29 th Jan, 2016
6	Dr. Ritika, Mr. Rakesh Saini, Mr. Amit dua	MATLAB and its Hardware Interface through ICT	EE Department, DIT University, Dehradun	11 th - 15 th Jan, 2016
7	Dr. Ritika, Mr. Rakesh Saini, Mr. Ashish Saxena, Mr. Deepak Sharma	Cloud Computing	IT Department, DIT University, Dehradun	12 th - 16 th Oct, 2015

5. PhD guidance by the faculty members

Sr. No.	Name of Faculty	No. of students enrolled in DIT University	No. of students enrolled in other Universities
1.	Dr. Ritika	2	1

6. Awards received by the faculty members

Sr. No.	Name of Faculty	Award	Awarding agency/Societies
1.	Dr. Ritika	Active Participation - Woman-CSI Dehradun chapter	Computer Society of India on 5 th Dec, 2015

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

Sr. No.	Name of Faculty	Name of Conference and session chaired	Place	Date
1.	Dr. Ritika	National Conference on Recent trends & challenges in information technology (RTCIT-2016)	IMS Unison University, Dehradun	1 st April, 2016

8. 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

19. Best 10 B. Tech Projects during 2015-16

Sr. No.	Name of Student	Guide	Title of Project
01.	Amit Rawat	Mr. Ashish Saxena	Buddy Legal
02.	Mohan Singh	Mr. Ashish Saxena	SAP ECE 6.0: Business Intelligence tool
03.	Devanshi Aggarwal	Mr. Anurag Kumar	Online Voting System
04.	Vijendra Singh	Mr. Rakesh Kumar Saini	Trainee Information Management System
05.	JelishGurvanshi	Ms. Sneh Lata	Bandwagon Life
06.	AmitAswal	Ms. Sneh Lata	Online Dehradun Android Application

07.	Suman Joshi	Dr. Pooja Vashishta	Classikart "Emart"
08.	Prerna Arora	Mr. Amit Dua	MobileInsurance (E-Commerce)
09.	Parul Bhatnagar	Mr. Ashish Saxena	Mediroads
10	Manavvar Hassan Syed	Mr. Deepak Sharma	Vehicle Accident Error in Tracking using IOT

9. 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. Rakesh Saini and Dr. Ritika	Cluster-Based Routing Protocols for Wireless Sensor Network: A Review	4th International Conference on System Modeling & Advancement in Research Trends (SMART-4)	CCSIT, Teerthanker Mahaveer Universityat Moradabad, India.	20 th - 21 st November, 2015

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.	Mr. Rakesh Saini, Dr. Ritika	Cross Layer Design in Wireless Sensor Network: A Review	National Conference on Recent Advancement in Electronics (NCEAE-2016)	ICFAI University, Hyderabad, India	20 th - 21 st January, 2016
2.	Mr. Rakesh Saini	A survey on clustering protocols for energy efficiency of sensors nodes in wireless sensor network	National Conference on Recent trends & challenges in information technology(RTCIT-2016)	IMS Unison University, Dehradun	01 st - 02 nd April, 2016
3.	Mr. Amit Dua	Factor Influencing classification of Hyper Spectrum Images	National Conference on Recent Advancements of Science & Technology	Seemant Institute of Technology, Pithoragarh	22 nd - 23 rd August, 2015

11. Industrial tours / visits

Sr. No.	Faculty Coordinator name	Place	No. of Students	Date
1.	Mr Amit Dua, Mr. Rakesh Saini Ms. Brijlata Chauhan	Infosys, Chandigarh	49	22 nd - 24 th Jan, 2016
2.	Mr Amit Dua, Ms Monia Bajaj, Ms Pratibha, Mr. Deepak Sharma	Infosys, Chandigarh	86	25 th - 27 th Oct, 2015



Industrial visit at Infosys Chandigarh for MCA second year students



Industrial tour at Infosys Chandigarh for MCA final year students were organized on 25th to 27th Oct, 2015

12. Student achievements related to the following areas

12.1 Students clubs/Activities etc.

12.1.1 TechL!ve student Club aims to redefine the technology which transforms the future of the commons. The Events celebrates the zenith of science, and path-breaking technology in a landscape of greener tomorrow. It comes up with the theme of CHANGE, which depicts the veiled wishes of every individual person. So, we are here to channelize the immense talent of students, to make them come across with their personal Eureka moment. TechL!ve club organized two events on 20th Nov 2015: Mathmania, TechBuzz, In this event approximate 50 students participated from different branches of the DIT University.



Mathmania Event



TechBuzz Event Participants

TechL!ve is an initiative of MCA students which emphasize on imagination and innovation to hove student's skills by conducting fun games, events etc.. List Of Events Conducted from Jan -

March 2016 was Bug shot (on 28th march, 2016), JAM (Just A minute): JAM a competition to “complete a task” in a minute. Stage first – Candle Lightning , Glass shuffle – In that the candidate has shuffled the glasses from top to bottom with alternate hands, Bouncing Balloons - It was the final task in which the candidates had to bounce the balloon in air till maximum number of times.



Glass Shuffle Event



Bouncing Ballon Event

12.2 Cultural activities

12.2.1 Farewell Party

Farewell is a time for closing of one cycle which is an emotional period and one has to be sensitive so students of MCA 2nd year organize a farewell party on 23rd Nov, 2015 to say good bye and best of luck to MCA 3rd year for their new start. In which the students gave the dance performances and enjoyed the whole party “DesPehDeeDah” and the theme of party was Shakespeare theme. On the basis of overall involvement of students throughout the year KRITIKA LOHANI was got the title of Miss Farewell and MANISH BOHRA got the title of Mr. Farewell.



MCA(Batch2014-16) Farewell



Department of Management Studies

1. Goals

- To be one of the premier Business School in Uttarakhand
- To be center of excellence for providing Management Education, research and consultancy
- To empower students take meaningful and profitable initiatives for society and self

2. Guest Lectures organized

Sr. No.	Name of the expert	Title of the lecture	Date
1.	Mr. Nishant Yadav	Profit Centre Management	29 th Jan, 2016
2.	Prof. Diwakar Goel GM Airport Authority of India	Role o HR in changing industrial Scenario	19 th Jan, 2016
3.	Dr. Rameshwar Rudra	Strategy and Management	10 th Feb, 2016
4.	Mr. Madan Mohapatra, Future Group	Online Marketing	29 th Feb, 2016
5.	Mr. Rajeev Jain Corporate Trainer	Career Counselling	03 rd Mar, 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.	Dr. Vikas Tyagi	3 rd PAN-IIM World Management Conference, India: The Next Decade,	IIM Indore, Madhya Pradesh, India.	16 th - 18 th Dec, 2015
2.	Dr. Vikas Tyagi	1 st International conference on facets of doing business in emerging markets (ICFBD 2016	IMT Ghaziabad and College of business administration at University of Texas EL Paso (UTEP).	July, 2016,
3.	Dr. VikasTyagi	4 th International Conference on Management of Infrastructure (ICMI 2016)	UPES, Dehradun	04 th - 06 th Feb, 2016
4.	Dr. Vijay Jain	Structural Equation Modeling and Qualitative Research	JRE Group of Institution Noida	15 th - 21 st June, 2016
5.	Dr. HemrajVerma	Workshop on Structure equation Modelling	Bharti Vidyapeeth Univ. Delhi	17 th - 22 nd Jan, 2016

4. PhD guidance by the faculty members

Sr. No.	Name of Faculty	No. of students enrolled in DIT University	No. of students enrolled in other Universities
1.	Dr. Prakash Tiwari	01	Nil
2.	Dr. Hemraj Verma	02	Nil

5. 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.	Deepak Bangwal	Dr. Prakash Tiwari	Green HRM and innovative approach to business and environment sustainability	Aug. 2014	FT
2.	Shalini Singh	Dr. Hemraj Verma	E-Impulse buying : An Indian Perspective	Aug. 2014	FT
3.	Vikas Arya	Dr. Hemraj Verma	Impact of brand authenticity on brand attachment and its affinity to the CB	Aug. 2015	FT

6. 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.	Bangwal.D, Tiwari,P.	Green HRM policy and Practices	5 th National Conference on Financial Inclusion & sustainable Livelyhood	IIM Kashipur	12 th Feb, 2016
2.	Bangwal.D, Tiwari,P.	Green HRm- a need of modern era	7 th International Conference on Excellence in Research	IIM Indore	05 th May, 2016
3.	Bangwal.D, Arya. V	Geen HRM- a step towards business sustainability	5 th International Conference	IIM Shillong	17 th Mar, 2016
4.	Arya. V, Verma.H	The relationship b/w authenticity and brand attachment	International Conference on Brand Management	IIT Delhi	16 th Apr, 2016
5.	Arya. V, Bangwal,D.	Entrepreneurship Education Model	International Conference on Spirituality and Management	IIM Bangalore	03 rd Jan, 2016

6.	Arya. V, Verma.H	The role of digital and social media in modern higher education system	10 th National conference	AIMA, Delhi	05 th Apr, 2016
7.	Singh.S, Verma.H	Impact of promotion on consumer impulse buying behaviour	International Conference on Brand Management	IIT Delhi,	16 th Apr, 2016

7. Industrial tours / visits

Sr. No.	Faculty Coordinator name	Place	No. of Students	Date
1.	Dr. Vikas Tyagi	Hero Motor Corporation- Haridwar	33	23 rd Jan, 2016
2.	Dr. Pankaj Chamola	Tata Tea Estate - Assam	48	25 th Oct to 01 st Nov, 2015



Industrial Visit to Hero Motor Corp. Haridwar

8. Student achievements

An Exclusive talk show was organized on 03rd March, 2016, by Management Club on Career Counseling for the students of DIT University. The resource person on the occasion was Mr. Rajeev Jain, Corporate Trainer, Mentor and a published author.

2.2 Faculty of Architecture

1. 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 a 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, the students 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 Utrakhand and Jammu & Kashmir.
- Also, preparing the students to enter their career with confidence, collaborative and entrepreneurial qualities. Thus, making them into excellent professionals but also good and empathic human beings, who value their education and skills and take it to a level that creates Human Systems that make our world better, safer and happier.

2. Conferences / Seminars/ Workshops organized

Sr. No.	Title/name of the conference/ seminar organized	Convener/Coordinator	Dates
1.	5 Day capacity Building Workshop on "Heritage identification and documentation"	Ar. Anubha Kakroo in Collaboration with Council of Architecture (COA) and INTACH	06 th to 10 th July, 2015
2.	Understanding Architectural structures (SoM) by Ms. Peu Banerjee	Ar. Anubha Kakroo	24 th to 28 th Aug, 2015
3.	5 days Joint Studio workshop with the students of SPA Delhi on Solar Passive Architecture	Ar. Anubha Kakroo Ar. Sandeep Saxena Ar. Mauli	Aug, 2015
4.	2 nd Round Table Conference on Sustainable Development on hills	Ar. Anubha Kakroo	18 th Sept, 2015
5.	2 Day Intensive Workshop on Site Analysis by Prof. AkshayKaul	Ar. Anubha Kakroo	06 th to 07 th Nov, 2015
6.	Workshop on "PORTFOLIO MAKING" By Graphic Designer Mr. Dwarkanath Sinha.	Ar. Anubha Kakroo	19 th to 20 th February, 2016
7.	"DESIGN PROCESS" by Mr. Anupam Bansal of ABRD Architects, Delhi (SPA, Delhi).	Ar. Anubha Kakroo	19 th to 20 th Feb, 2016
8.	"CONCLAVE – On Teaching methodology in Architecture"	Ar. AnubhaKakroo	21 st to 24 th June, 2016

3. Guest lectures organized

Sr. No.	Name of the expert	Title of the lecture	Date
1	Prof. Sunil Wanchoo	“Earth, Earthquakes & Society”	06 th Aug, 2015
2	Prof. Tapan Chakravarty	Structuring a Teaching Learning Assessment	21 st Aug, 2015
3	Prof. Shehanshu Mukherjee	How to Start design	21 st Aug, 2015
4	Prof. Tanaji	Special Lecture on “ Urban Economics”	30 th Nov, 2015

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.	Ar. JitendraSarohi Ar. Kapil Kumar Ar. Akhilesh Kumar	International Symposium on “ Celebrating Le Corbousier’s Chandigarh”	Chandigarh	09 th Oct, 2015
2.	Ar. AnubhaKakroo Ar. JitendraSarohi Ar. Sandeep Saxena	National workshop on “COA Minimum Standards & Online Institutional Management System (IMS)”	Appejay School of Architecture and Planning, Greater Noida	16 th Oct, 2015
3.	Ar. JitendraSarohi Ar. Sandeep Saxena Ar. Pankaj Ar. Akhilesh	International Workshop on "Best Practices in Waste Management & Climate Change"	Uttrakhand Technical University, Dehradun	19 th Aug, 2015
4.	Ar. JitendraSarohi	Interactive Session on “Sustainable approach in Architecture”	Museum of Houses, GOA	24 th Oct, 2015
5.	Ar. Anil Kumar	Conference of Transportation Research Group, 2015	Kolkata	17 th - 20 th Dec, 2015
6.	Ar. Sandeep M. Saxena	TTP on Teaching Indian Architectural History by NIASA, Pune	Pune	14 th - 18 th March, 2016
7.	Ar. JitendraSarohi	Idea Workshop- Smart Idea for Smart Doon	Dehradun	17 th March, 2016
8.	Ar. Anil Kumar Ar. AnayAnand Ar. Akhilesh Kumar Ar. Kapil Kumar	Short Term Course on “Big Data Analytics for Urban Planning and Management”	IIT Roorkee	06 th June - 10 th June, 2016
9.	Ar. VarticaSaxena Ar. Ashish Pant Ar. Akhilesh	Conference on “Smart Cities”	MDDA, Dehradun	14 th June, 2016

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

Sr. No.	Name of Faculty	Name of Conference and session chaired	Place	Date
1.	Ar. Prof. Anubha Kakroo	2 nd Round Table Conference on Sustainable Development on hills	DIT University, Dehradun	18 th Sept, 2015

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

Sr. No.	Name of Faculty	Name of Societies	Membership type
1.	Prof. Nehru Lal	Council of Architecture	Life Time
2.	Prof. Anubha Kakroo	Council of Architecture	Life Time
3.	Prof. Akshay Kaul	Council of Architecture	Life Time
4.	Prof. Anupam Bansal	Council of Architecture	Life Time
5.	Asso. Jatinder Malhotra	Council of Architecture	Life Time
6.	Asso. Magali Rastogi	Council of Architecture	Life Time
7.	Mr. Jitendra Kumar Sarohi	Council of Architecture	Life Time
8.	Mr. Sandeep Mohan Saxena	Council of Architecture	Life Time
9.	Ms. Vartica Saxena	Council of Architecture	Life Time
10.	Mr. Kapil Kumar	Council of Architecture	Life Time
11.	Mr. Akhilesh Kumar	Council of Architecture	Life Time
12.	Mr. Ashish Pant	Council of Architecture	Life Time
13.	Mr. Pankaj	Council of Architecture	Life Time
14.	Mr. Anay Anand	Council of Architecture	Life Time
15.	Ms. Mauli Shree Mishra	Council of Architecture	Life Time
16.	Mr. Anshuman Shukla	Council of Architecture	Life Time
17.	Mr. Anil Kumar	Council of Architecture	Life Time
18.	Ms. Swati Agarwal	Council of Architecture	Life Time
19.	Mr. Kartik Mohan	Council of Architecture	Life Time
20.	Ms. Neelima Yadav	Council of Architecture	Life Time

21.	Mr. Navnil Chattopadhyay	Council of Architecture	Life Time
22.	Ms. Sana Janaid	Council of Architecture	Life Time

7. 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.	Prof. Anubha Kakroo	Role of women in Documenting Diversity & their access to Heritage & Policy Dialogue.	CIDOC International Conference.	Vigyan Bhawan	07 th Sept, 2015
2.	Ar. Anil Kumar	Optimization of parking layouts at multimodal terminals	Conference of Transportation Research Group, 2015	Kolkata	17 th - 20 th Dec, 2015

8. Industrial tours / visits

Sr. No.	Faculty Coordinator name	Place	No. of Students	Date
1.	Ar. Ashish Pant, Ar. Mauli Mishra, Ar. Pankaj	Ahmadabad, Bhuj, Kutch	58	05 th to 13 th Dec, 2015
2.	Ar. Kapil Kumar	Bangaluru and Mysore	17	07 th to 15 th Jan, 2016
3.	Ar. AnayAnand Ar. ShivaniChouhan.	Mumbai	40	05 th to 13 th Jan, 2016
4.	Ar. JitendraSaroHi	Goa	40	18 th to 15 th Oct, 2015
5.	Ar. Ashish Ar. Pankaj	Visit to Evrest Industries Roorkee	80	27 th Oct, 2015
6.	Ar. Anwar Kamal Ar. Ashish Pant	Visit to CBRI, Roorkee	80	16 th Mar, 2016

9. Best 10 B.Tech Projects during 2015-16

Sr. No.	Name of Student	Guide	Title of Project
01.	Jagrit Vij	Ar. Anay Anand	Light Museum & Energy Center, Bangalore
02.	Shraddha Bahukhandi	Prof. Nehru Lal Ar. Ashish Pant	Forest Research Institute.

03.	Ishita Shridar	Ar. Kapil Kumar	Upliftment of Dhela Village
04.	Neha Jain	Ar. Kapil Kumar	Carbon Neutral Climate Responsive Prototype for Firozpur, Punjab
05.	Sakshi Aswal	Ar. Akhilesh Kumar	Adventure Water Sports Centre, Uttarakhand
06.	Parool Chauhan	Ar. Akhilesh Kumar	Socio Cultural Convention Centre, Delhi
07.	Saumya Singh	Ar. Prof. Anubha Kakroo	Slum Redevelopment, Mumbai.
08.	Mansi Garg	Ar. Jitendra Sarohi	Architecture Hub – Architecture College, Office and Museum
09.	Dheeraj Nagdev	Ar. Jitendra Sarohi	Institute of Photography, Goa
10	Tushar Rajkumar	Ar. Sandeep Saxena	Design for Social Remediation, Redevelopment of EMA Market, Imphal
11.	Pratyush Gupta	Ar. Sandeep Saxena	750 Bedded Graphic Era Hospital, Dehradun

10. Student achievements related to the following areas

10.1 Student's clubs/Activities

10.1.1 ZONASA 2015: Ranked 1st (overall ZONAL Trophy for North Zone).

10.1.2 NASA 2015: Shortlisted in ANDC (Annual NASA Design Competition) 2016 (in the top 10 entries among more than 300 entries from 200 colleges across the nation).

10.2 GATE/CAT/GRE/ Any other competition: Following B. Architecture final year students cleared GATE:

- Samuya Singh
- Pratyush Gupta

10.3 Cultural Activities / literary activities:

Diwali Exhibition was organized, where students displayed and sold their exhibits (hand made products) to raise funds for social cause.

10.4 Research activities:

In the Post RSP's Program, the students documented the work and prepared the presentation on it.

2.3 Faculty of Pharmacy

1. 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.	Role of Intellectual Property in Pharmaceutical Industries	Mrs. Cheshta Sharma, Director IIPTA New Delhi	04 th - 05 th Feb, 2016
2.	CAPA, CGMP, validation requirements in pharma industry	Dr. Mahesh Burande, IPER-Pune	14 th March, 2016
3.	Pharmaceutical marketing- Art, Science and profession	Dr. Mahesh Burande, IPER-Pune	15 th March, 2016

3. Guest Lectures organized

Sr. No.	Name of the expert	Title of the lecture	Date
1.	Dr. Samantha Vaishnavi	Synergistic effect of nutraceuticals and anticancer drugs	

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.	Prof.(Dr.) N.V. Sathesh Madhav	NAAC workshop	Hotel Four Point by Sheraton o, Dehradun	15 th Nov, 2015
		Quality Enhancement through Innovative Practices in Teaching, Learning & Evaluation	Dolphin (PG) Institute of Biomedical & Natural Sciences, Manduwala, Dehradun	23 rd - 24 th Nov, 2015

		Quality Management in Pharmaceutical Manufacturing: GMP to drive future growth	Hotel Pacific, Dehradun	03 rd Dec, 2015
		Role of Intellectual Property in Pharmaceutical Industries	DIT University	04 th - 05 th Feb, 2016
2.	Mr. Vijay S. Rana	Role of Intellectual Property in Pharmaceutical Industries	DIT University	04 th - 05 th Feb, 2016
3.	Dr. Rajeev kr. Sharma	Intellectual Property right	GRD	August, 2015
		Quality Enhancement through Innovative Practices in Teaching ,Learning and Evaluation	Dolphin PG Institute of biomedical and Natural Sciences,Dehradun	23 rd - 24 th November, 2015
		Role of Intellectual Property in Pharmaceutical Industries	DIT University	04 th - 05 th Feb, 2016
4.	Mr. Samir Bhargava	Role of Intellectual Property in Pharmaceutical Industries	DIT University	04 th - 05 th Feb, 2016
5.	Dr. Harish Chandra	Role of Intellectual Property in Pharmaceutical Industries	DIT University	04 th - 05 th Feb, 2016
6.	Mr. Abhijeet Ojha	Role of Intellectual Property in Pharmaceutical Industries	DIT University	04 th - 05 th Feb, 2016
7.	Dr. Bhavna	Polymeric nanoparticles for non-invasive and invasive route: A dual strategy of drug targeting for neurodegenerative disorders. (ORAL PRESENTATION) NANOS, Vishakhapatnam, Andhra Pradesh	GITAM University, VIZAG, AP., India.	14 th - 17 th Dec, 2015
		NAAC Sponsored, Quality Enhancement through Innovative Practices in Teaching, Learning and Evaluation.	Dolphin Institute, Dehradun	23 rd - 24 th Nov, 2015
		Role of Intellectual Property in Pharmaceutical Industries	DIT University	04 th - 05 th Feb, 2016

8.	Dr. Anuj Nautiyal	Attended National seminar on “Quality Enhancement through Innovative Practices in Teaching, Learning & Evaluation” sponsored by NAAC.	Dolphin (PG) Institute of Biomedical and Natural Sciences, Dehradun	23 rd - 24 th November, 2015
		Attended National seminar on “Uttarakhand’s 1 st Collegium on “Pharmacist Practitioners and Pharmacovigilance – The Road Ahead” on	SGRRITS, Dehradun.	05 th February, 2016
		Role of Intellectual Property in Pharmaceutical Industries	DIT University	04 th - 05 th Feb, 2016
		Attended FDP Organized by TBI-KIET, Ghaziabad, Sponsored by DST, Govt. of India, New Delhi	DIT University	30 th May, 2016 to 10 th June, 2016
9.	Mr. Sushant Kr. Gupta	Role of Intellectual Property in Pharmaceutical Industries	DIT University	04 th - 05 th Feb, 2016
10.	Dr. Manmohan Singhal	Role of Intellectual Property in Pharmaceutical Industries	DIT University	04 th - 05 th Feb, 2016
		National Conference on Advances in Pharmaceutical & Life Sciences	IDPL, Rishikesh	29 th May, 2016
		Workshop on IPR	DIT UNIVERSITY	04 th - 05 th March, 2016
		NAAC Sponsored Seminar on Quality Enhancement Through Innovative Practice in Teaching	Dolphin Institute, Dehradun	23 rd TO 24 th Nov, 2015
		FDP on Entrepreneurship	DIT University	30 th May, to 10 th June, 2016

7. PhD guidance by the faculty members

Sr. No.	Name of Faculty	No. of students enrolled in DIT University	No. of students enrolled in other Universities
1.	Prof. (Dr.) N.V. Satheesh Madhav	06	-

8. 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.	Ms. Deepika Raina	Prof.(Dr.) N.V. Satheesh Madhav	Formulation and evaluation of duloxetine and escitalopram loaded bio-nanogel for brain targeting via external acoustic meatus.	2013	Full Time
2.	Ms. Sugandha Varshney		Formulation and evaluation of tiagabine and procainamide loaded bioflexy films for brain targeting via soft palatal		
3.	Ms. Kirti Singh		Development and evaluation of bionano formulations loaded with nanosized Atorvastatin and Rosuvastatin for trans-nabhi drug delivery.	2014	
4.	Ms. Vishakha Jaiswal		Formulation & evaluation of bioflexy strips loaded with nanosized aripiprazole and bromicriptine for brain targeting via trans labialmucosa		
5.	Ms. Yogita Tyagi			2015	
6.	Ms. Bhavana Singh				
7.	Ms. Deepika Sharma			2015	

9. 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.	Isolation and Screening of Bio-Active Compounds from petals of Calendula officinalis and Jasminum officinale for antimicrobial property	Mr. Samir Bhargava	DIT University	75000/-		01 yr.

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

Sr. No.	Name of Faculty	Name of Societies	Membership type
1.	Prof (Dr) N V Satheesh Madhav	IPA (Indian Pharmaceutical Association)	Life Member
		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)	Life Member
		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
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
		PCI (Pharmacy Council of India)	Life Member

13. Faculty members who have been delivered give Guest Lectures

Sr. No.	Name of Faculty	Title of the Lecture	Place	Date
1.	Dr. Rajeev Kr. Sharma	Recent Advances in colon Targeting drugs	IDPL Rishikesh.	29 th May, 2016

14. 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. Bhavna	Polymeric nanoparticles for non-invasive and invasive route: A dual strategy of drug targeting for neurodegenerative disorders.	NANOS, Vishakhapatnam, Andhra Pradesh	GITAM University, VIZAG, AP., India.	14 th - 17 th Dec, 2015

15. 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.	Prof. (Dr.) N V Sathesh Madhav	Glimpses of current –GMP for finished pharmaceutical products- Approaches and Innovations	Quality Management in Pharmaceutical Manufacturing: GMP to drive future growth” ASSOCAM	Hotel Pacific, Dehradun	03 rd Dec, 2015
2.	Dr. Rajeev Kumar Sharma	Design and synthesis of some new derivatives of 3H-Quinazolin-4-one with promising antimicrobial activity	UCOST, Dehradun	Pantnagar	
		'Synthesis of tetracycline 5-amino salicylic acid azo adduct for colon targeting	IPC	Ahmedabad	

16. Industrial tours / visits

Sr. No.	Faculty Coordinator name	Place	No. of Students	Date
1.	Dr. Sushant Kr. Gupta	Hema Labs	60	Sep, 2015

5. Best 10 B.Pharm Projects during 2015-16

Sr. No.	Name of Student	Guide	Title of Project
1.	Vaishali Thakur	Prof (Dr.) N.V. Satheesh Madhav Co-Supervisor: Dr. Manomohan Singhal	Development Of Topical Emulgel Loaded With Cow Urine
2.	Upendra Rawat	Prof (Dr.) N.V. Satheesh Madhav Mentor:Mr. Samir Bhargava	Prescription Pattern Of Antibiotic
3.	Shubham Tyagi	Prof. (Dr.) N. V. Satheesh Madhav Mentor: Dr. Harish Chandra	Formulation Of Transdermal Drug Delivery System
4.	Ojasvi Verma	Prof. (Dr.) N. V. Satheesh Madhav	Formulation And Evaluation Of Telmisartan Loaded Ocuserts
5.	Harsh Gujjar	Prof. (Dr.) N.V. Satheesh Madhav	Prescription Pattern For Ulcer Treatment
6.	Himani Pant	Dr. Bhavna	Formulation And Evaluation Of Zidovudine Lorate Mucoadhesive Film For Buccal Drug Delivery System
7.	Kapil Kumar	Prof.(Dr.) N.V. Satheesh Madhav Mentor: Mr. Samir Bhargava	Prescription Patterns Of Antibiotics
8.	Arjun Singh	Prof. (DR.) N.V. Satheesh Madhav	Prescription pattern of Anti Malarial Drugs in Doon region
9.	Aditya Bansal	Prof. (DR.) N.V. Satheesh Madhav	Formulation of bio handwash

6. Student achievements related to the following areas

6.1 Students clubs/Activities etc.

6.1.1 Faculty of Pharmacy, Aarogya club & UK State IPA branch celebrated World Pharmacist Day 2015 on 25th Sept, 2015 in an innovative manner. Faculty, students & research scholars participated in community services by creating awareness about dengue its complications and importance of prescription file in around 200 families by distributing prescription files in Banjarawala, Dehradun. Simultaneously, students also visited Doon hospital and distributed prescription files, Medi-C boxes for proper placing of medicines and prescription in provided prescription files and they also created awareness about importance of documentary prescription. Director, Faculty of Pharmacy, faculty and students also visited old age home, orphanage and provided charity services to them.



6.1.2 Faculty of Pharmacy UK IPA state branch, Aarogya club, faculty and students celebrated National Pharmacy Week 2015 on 19th Nov, 2015 by creating awareness about importance of documenting prescription files, Do's & Dont's about usage of anti- biotics and distributed about 500 medi- c containers, prescription files in govt. Doon hospital and greeted all doctors, pharmacists & CMO. The purpose of celebration was also explained. All the patients & pharmacists appreciated the above approach.

6.1.3 A programe to celebrate the 10 years Celebration for establishment of Faculty of Pharmacy was organized on the World Pharmacist Day, i.e, 25th Sept, 2015. The programe started by lighting lamp by Hon'ble Vice Chancellor, Dr K.K. Raina and

other dignitaries. Dr. K.K. Raina delivered welcome address. Director, Faculty of Pharmacy, Prof. N.V Satheesh Madhav, also enlightened about importance & activities carried out during the celebration and the departmental ten years achievements along with the innovative pioneering research activities initiated by faculty of Pharmacy. Director (AA) motivated students by giving speech on World Pharmacist Day celebration. A cultural event was organized by the students of B Pharm on the occasion of celebration for the 10th Anniversary for the establishment of Faculty of Pharmacy, under the supervision of Cultural committee Coordinator Dr. Bhavna. Director Faculty of Pharmacy awarded students of B. Pharm third Year for Best Floor decoration and also awarded B. Pharm second year student (Siddharth Singh) for designing best logo for Arogya Club. The program was concluded & with grand valedictory session at Vedanta auditorium, by giving vote of thanks by Dr. Rajeev kr. Sharma.

6.2 GATE/CAT/GRE/ Any other competition

Students cleared GATE: Ankit Uniyal.

6.3 Intercollegiate festivals

Ph.D. Research Scholar attended “Young Scientist meet-Indian International Science festival (IISF)”, 4th to 8th Dec, 2015 at IIT Delhi.

6.4 Sports

Upendra Rawat, student of B. Pharm final year, won gold medal for Volley ball match, from DIT University, in Sept, 2015.

6.5 Research activities

- Prof. (Dr.) N.V.Satheesh Madhav has filed an Indian patent “A novel biopolymer from tagetespatula petals and its pharmaceutical application”, 16th July, 2015.
- Prof. (Dr.)N.V.Satheesh Madhav, Kirti Singh has filed an Indian Patent “entitled “Smart Bio- penetrant from Rosa Centifolia for Transungual Drug Delivery of Terbinafine and its pharmaceutical application” 25th August, 2015
- Prof. (Dr.)N.V.Satheesh Madhav, Vishakha Jaiswal has filed an Indian Patent “A Smart biio functional excipients from the pulp of Trichosanthes cucumerina & its inbuilt properties for pharmaceutical applications” 29th Oct, 2015

2.4 Placement Data

Student's placement data from 01st July, 2015 to 30th June, 2016:

✧ **Overall Placement Program-wise:**

S. No.	Program	2016
01.	B.Tech	422
02.	B.Pharm	21
03.	MCA	23
04.	MBA	40
05	M.Tech	01
TOTAL		506

✧ **Overall B.Tech Placement Branch-wise:**

S. No.	Branch Name	2016
01.	CE	11
02.	CSE	136
03.	ME	70
04.	ECE	72
05.	EE	35
06.	PE	11
07.	IPE	08
08.	AEI	11
09	IT	09
TOTAL		363

✧ **Highest Package:**

S.No.	Program	Package(INR)/annum
01.	B.Tech	16 lacs
02.	B.Pharm	4.9 lacs
04.	MBA	5.5 lacs
05.	MCA	3.55 lacs

2.5 Result Analysis

First Year (Batch 2015)				
S.No.	Branch	Total No. Of Students Appeared	Clear Pass Without E & F Grade	Pass Percentage
1	BT+MT(MBA)	58	34	58.62
2	BT+MT(ME)	59	37	62.71
3	ECE	139	77	55.4
4	IT	173	115	66.47
5	ME	234	176	75.21
6	BT+MT(CSE)	60	53	88.33
7	Civil	176	126	71.59
8	CSE	242	221	91.32
9	EE	56	37	66.07
10	PE	93	46	49.46
11	B.Pharm	64	37	57.81
12	B.Arch	60	50	83.33
13	MBA	66	57	86.36
14	MCA	49	42	85.71
15	M.Pharm	1	1	100
16	M.Tech(Civil)	11	10	90.91
17	M.Tech(CSE)	8	8	100
18	M.Tech(ECE)	13	11	84.62
19	M.Tech(EE)	3	3	100
20	M.Tech(ME)	5	3	60
Overall Result		1570	1144	72.87

Second Year (Batch 2014)

S.No.	Branch	Total No. Of Students Appeared	Clear Pass Without E & F Grade	Pass Percentage
1	Civil	176	122	69.32
2	CSE	342	311	90.94
3	ECE	195	131	67.18
4	EE	102	65	63.73
5	IT	116	95	81.90
6	ME	328	199	60.67
7	PE	75	45	60.00
8	B.Pharm	41	33	80.49
9	B.Arch	78	44	56.41
10	MBA	52	40	76.92
11	MCA	86	80	93.02
12	M.Tech CSE	13	13	100.00
13	M.Tech DC	14	13	92.86
14	M.Tech PED	9	9	100.00
15	M.Tech TFE	5	4	80.00
Overall Result		1632	1204	73.77

Third Year Batch 2013

S.No.	Branch	Total No. Of Students Appeared	Clear Pass Without E & F Grade	Pass Percentage
1	Civil	146	125	85.62
2	CSE	229	221	96.51
3	CSE(CBA)	57	51	89.47
4	ECE	233	190	81.55
5	EE	153	117	76.47
6	IT	102	86	84.31
7	ME	335	290	86.57
8	PE	68	46	67.65
9	Civil (Working Professional)	12	8	66.67
10	B.Pharm	38	28	73.68
11	B.Arch	80	35	43.75
Overall Result		1453	1197	82.38