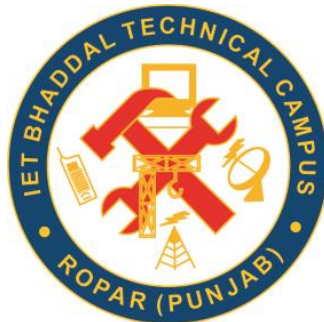


ANNUAL REPORT

2017-18



16th CONVOCAATION, 17th MARCH, 2018

IET Bhaddal Technical Campus, Ropar

Institute of Engineering & Technology

College of Architecture

Institute of Management Studies

GCS Institute of Vocational Studies

Institute of Pharmaceutical Sciences

Bhaddal College of Science, Commerce and Business Administration

GCS Aviation Training Institute

KC Global School

Presented by

Dr. JS Kanwar

Director-Campus



Dr. Balkar Singh
Dean Academic Affairs
IKG Punjab Technical University, Jalandhar

Dr. Balkar Singh being serving IKG Punjab Technical University Jalandhar on many administrative positions and at present he is working as Dean Academic Affairs, IKG Punjab Technical University, Jalandhar. He has completed his Ph. D in 2010 from Punjab Technicial University Jalandhar, Punjab, India. He did graduation in Mechanical Engineering from Panjab Univeristy Chandigarh and post graduation in Mechanical Engineering from IKG Punjab Technical University, Jalandhar in 2003. His area of research work is mainly Finite Element Method and Non Traditional Manufacturing Processes. He has performed quiet well in many administrative duties in IKG PTU Jalandhar and worked as Dy. Dean, IKG Punjab Technical University, Jalandhar. He served as Director/Controller of Examination, Director (College Development) and Chief Vigilance Officer at IKG Punjab Technical University, Jalandhar. He has guided several Ph. D & M. Tech research scholars. He has also published papers in many national and international journals of repute. He has attended many seminars, conferences and workshops as participant and also chaired important sessions in conferences.

He has owned the Membership of many Professional Organizations like Life Member of the Indian Society for Technical Education, Subject Expert of National Board of Accreditation (NBA), Member of Academic Council of GNDEC, Ludhiana, Member of BOG DRDA, Jabbowal, Member, BOM MGN School UE-2, Jalandhar, Member academic council of AICTE Amrtisar and Member academic council of BCET Gurdaspur.



Dr. Narinder Singh
Associate Professor
Indian Institute of Technology, Ropar

Dr. Narinder Singh is working as an Associate Professor in Department of Chemistry at IIT Ropar. After completing his Ph. D from Guru Nanak Dev University, Amritsar, he went for Post Doctorate studies at Osaka University, Japan and then moved to Yonsei University Korea and Robert Gordon University Scotland (UK). He returned back to India after 3 years to join Indian Institute of Technology, Ropar (IIT Ropar) as Assistant Professor of Chemistry and he served the institute as Coordinator of Department from Oct 2011 to March 2015.

The scientific work pursued in Dr. Singh's research group is interdisciplinary; he is using the concepts of chemistry to preserve the natural environment with special emphasis on green and sustainable development by developing a wide range of chemo sensors which are equipped to detect heavy metal ions, poisonous and toxic chemicals in water and soil. He has devised methods for removal of toxic materials from industrial waste water and killing the harmful bacteria in water.

His contribution at institute level is appreciable; he is heading the Sensor-Group, which is funded by the institute. He has guided 5 post doctorates and 4 Ph. D individually and 1 Ph. D jointly. He has also guided several M. Tech and MSc students. His group remained successful in publishing about 205 research papers in international peer reviewed journals and more than 2500 citations. He has secured the grants from external funding agencies such as CSIR, DST and DRDO. Socially, he has contributed significantly for environmental protection and explored the methodologies for sustainable development. He has collaboration with international universities and his projects such as (A) Indo-Canadian (DBT-IMPACT); (B) Indo-Mexican (DST-CONACYT) and (C) Indo-Korea (DST-KRF) are ongoing. He is also working in collaboration with industry in UAY project. In December 2016; he was awarded with Prof. SS Sandhu Medal from Indian Chemical Society for his excellent contribution in Analytical and Environmental Chemistry. His enthusiasm and passion towards designing and developing new strategies for noble cause is overwhelming.



Mr. Deepak Wasan
Director-in-Charge
NIELIT, Ropar

Mr. Deepak Wasan is serving as Director, National Institute of Electronics and Information Technology, Ropar. He did his Post Graduation in Electronics as major subject and worked as an IT professional for more than 28 years. He spent more than 10 years at the top level management and handled various large government projects of national importance. His key areas of work includes: Project Management, Application/Solution Design, E-Governance, Software Project Management, Software engineering, Quality Management and Testing.

He has visited many countries in the interest of IT and Electronics development of India. He has been part of important projects of government of India.

Brief Profile of IET Bhaddal Technical Campus

- IET Bhaddal Technical Campus is continuously focusing on providing practical oriented technical education for emerging occupations for the benefit of the students, industry and communities, “Kandi Friends Educational Trust” under the dynamic leadership of great visionary Revered Er. Gurcharan Singh Ji established institutions at village Bhaddal to impart quality education in technical/professional fields.
- To realize this idea, he set up the vast and environment friendly infrastructure equipped with the best of teaching facilities& established a number of institutes in the campus; Institute of Engineering & Technology, College of Architecture, Institute of management studies and Gurcharan Singh Institute of Vocational Studies.
- All these institutes are dynamic and flexible organizations with a global vision and are situated in a pollution free environment; spread over 50 acres of land in village Bhaddal. Presently the institute sare being managed by KFET (Kandi Friends Educational Trust) under the supervision of the Chairman, Mr. Prem Pal Gandhi.
- The Institute of Engineering and Technology is NAAC & IAO-USA accredited and UGC approved (2f &12B). It is approved by AICTE, COA Govt. of Punjab and affiliated to IKG PTU Jalandhar.
- IET Bhaddal Technical Campus offers Under Graduate programs in Engineering, Architecture, Management Studies, BBA, BCA, B.Com. (Prof.), B.Sc. Agriculture & B.Sc. Hotel Management, Master Programs; MCA, MBA, M. Tech. and M.Arch., affiliated to IKG Punjab Technical University, Jalandhar.
- Among the few new initiatives added to IET Bhaddal are Institute of Pharmaceutical Sciences Bhaddal to be affiliated to IKGPTU, Kapurthala for Bachelor of Pharmacy and Diploma in Pharmacy affiliated to The Punjab State Board of Technical Education and Industrial Training, Chandigarh.

- Another new initiative is Bhaddal College of Science, Commerce and Business Administration to be affiliated to Punjabi University, Patiala for B. Sc. Non Medical, B.Com. (Hons), B. Sc. Maths (Hons), M. Sc. Chemistry, M. Sc. Physics, B. Sc. Medical, B. Sc. ATHM, B. Sc. Fashion Technology, M. Sc. Mathematics, M. Com.
- KC Global School, Bhaddal is also going to be started from this year for Nursery to Class VII to be affiliated to CBSE, New Delhi.
- Apart from these Research & Development and consultancy are also promoted under R & D activities to encourage faculty & students to take up fundamental & applied research problems to aid teaching-learning process in the campus.
- Well organized Training and placement Cell having close liaison with industries and is working in the campus to look after needs of industrial training and placement of students both on & off-Campus.
- In addition, we have established HVPAC Cell and Internal Quality Assurance Cell (IQAC) in the campus.
- In joint collaboration with IITs we are regularly organizing various faculty development courses under CEP/QIP/Summer/Winter Schools to enhance the teaching skills of our existing faculty and faculty from other institutions for STTPS under the scheme of NME-ICT project sponsored by ISTE/MHRD.
- We are proud of being an associate institute of IIT Ropar and also we have tie up with NIELIT Ropar for providing professional training to students of Engineering, MCA, BCA, BBA and Architecture.
- Hope we shall be able to transform vision of our founder chairman into reality, through our commitment, dedication and unfailing efforts to develop Bhaddal Technical Campus, a centre of academic excellence.

ANNUAL REPORT OF IET BHADDAL TECHNICAL CAMPUS

The dexterity of brilliance and aura of exuberance of any organization is portrayed through its Annual Reports. Every Institute, marching unswervingly ahead, with huge heap of fruits of commitment having been realized, wishes to display its proud harvest before the masters who feed and nurture it and after its approval, before the public to whom it belongs.

At IET Bhaddal Technical campus, keeping the objective of each program in mind the teaching learning process specifically designed to achieve the desired outcomes are continuously monitored. Sincere efforts are made to make our students globally competent. Our students excel in the University Examinations for which they are encouraged and suitably awarded. A large number of Co-Curricular Activities related to technology, culture, social service, environment preservation, sports and games are organized. Our faculty members are actively involved in academic and extension activities. All these activities for the year 2017-18 are briefed below:

A. ACADEMIC PROGRESS

- (i) **Achievements:** IET Bhaddal campus conducts the academic activities which include teaching, research and industrial visits. The program of study is organized on semester basis as per academic norms of affiliating University. As per academic calendar, students are evaluated on a continuous basis throughout the semester and motivated for better results and performance. Maintaining a high level of standard, our students have performed well at the University examinations. In this aspect our faculties also leave no stone unturned. Dr. Akanksha Kapila completed her Ph. D. degree in Chemistry from PEC Chandigarh in October 2017.
- (ii) To enhance practical exposure to the students, staff and faculty members, a number of workshops, conferences, seminars, expert talks, industrial visits, STC/FDP are organized throughout the academic year. **Annexure II** gives the detail of conferences, seminars and workshops organized in the Campus. Faculty is also allowed to attend specialized courses in and outside the Campus and complete detail is presented by **Annexure III**. Campus regularly organizes expert talks for the skill enhancement of students and faculty on the advanced techniques and **Annexure IV** gives such detail.
- (iii) **ISTE Student Chapter:** On behalf of ISTE Student Chapter, IET Bhaddal, Mr. Kshitij Kumar organized a Technical Event "TECHNOART" on 6th and 7th April 2017 under the guidance of Mr. Pradeep K. Gaur, HoD ECED. Huge number of students participated in the event. Winners of the event Ms. Jasmin & Manya, Sonal & Shristy and Manzoor & Junaid were given certificates, cash prizes & mementos.
On 28th September 2017, Mukul Anand, student of B.Arch. was awarded ISTE BEST STUDENT AWARD at Shaheed Udham Singh College of Engineering & Technology on the occasion of Technical Festival "Yauktika Utsava 2K17".
On 2nd November 2017, three students Arshdeep Kaur, Ms. Divya Tyunwall and Rakesh Kumar Jhawere awarded "ISTE BEST STUDENT AWARD" at Rayat Bahra Group of Institutes, Ropar Campus on the occasion of Technical Festival "MINERVA - 2017".

B. INSTITUTIONAL ACTIVITIES

- (i) **Lohri Celebration:** On 13 January 2017, all the Faculty, Staff and students together celebrated the Lohri Function in the traditional way with holy fire. Various competitions for students and staff were planned at the venue. These include folk songs of the occasion, quiz competition about Lohri/Makra Sakranti. Staff and students participated whole heartedly on the occasion.
- (ii) **Republic Day Celebration:** A Tableau of IET Bhaddal Technical Campus was displayed in the main parking area on 26th Jan 2017 and form background for the celebration of the Republic Day at the campus. The National Flag was unfurled with the National Anthem. The Security Officer organized the march past and refreshment was also arranged for all the students, Faculty and staff.
- (iii) **Basant Panchami:** On this auspicious day kite flying event was planned in the Sports Ground. Numerous students competition have been slated for celebrating Basant Panchami on 1 Feb 2017.
- (iv) **20th Punjab Science Congress:** IET Bhaddal Technical Campus organized 20th Session of prestigious **Punjab Science Congress** in collaboration with Punjab Academy of Sciences from 07th to 09th February, 2017 on the theme "**Innovative Research in Science and Technology for Sustainable Development**". Prof. Ved Prakash, Chairman, UGC inaugurated the 20th Punjab Science Congress. Dr. SK Das, Director, IIT Ropar was the Guest of honor on this program. Prof. IJS Bansal, President of Punjab Academy of Science, Patiala discussed about the theme of the Congress. Prof. Gurdev Singh Khush, USA delivered keynote address during inaugural session of the Congress.
Dr. Baldev Singh Dhillon, Vice Chancellor, Punjab Agricultural University, Ludhiana was the Chief Guest on the Closing Ceremony on 09th February 2017. Special guest, Prof. RC Sobti, Vice Chancellor, BBA Central University, Lucknow enlighten the audience with different research areas in the fields of sustainable development.
- (v) **Publications:** Faculty members of the IET Bhaddal Technical Campus have always dedicated themselves towards publishing their research work in peer reviewed and good quality national/international levels Journals and Conferences and **Annexure I** briefs the detail of such publications. Faculty members also commit themselves towards publishing their books with well-known publishing houses. Details of Books published/edited by the faculty are available in **Annexure VIII**.
- (vi) **IIT Bombay Remote Centre:** IIT Bombay Regional Remote Center is successfully running under the Coordinator, Dr. Vidya Thakur, Associate Professor Physics (Applied Sciences Department) to provide awareness to technology and effective practices of technology integration, a faculty development program on "**Foundation Program in ICT for Education**" was organized from 3rd August 2017 to 12 September 2017 for the faculty of the Campus by IIT Remote Center. Through this FDP, faculty members got familiar with various ICT devices and applications useful in teaching-learning and to make use of best practices for information dissemination using ICT.

Two ICT based short term courses, “**Soft Skills**” and “**Workplace Communication**” were conducted specially for the students of IET Bhaddal Technical Campus under the program “**College to Corporate**” by IET Bhaddal, Remote Centre of IIT Bombay. This program 'College to Corporate' was primarily targeted at pre-final and final year students, to help them prepare for the corporate world and perform better in the recruitment process. Students were made aware of the expectations of the employer through these programs and students were also provided necessary skills required fulfilling these expectations and their journey from College to Corporate would become easier. The programs were conducted using the hybrid MOOCs pedagogy developed at IIT Bombay. Participants learned online and through face-to-face interaction with experts from IIT Bombay. Details are given in **Annexure XVI**.

- (vii) **Clubs:** Cultural and recreational activities are held on a regular basis to pursue hobbies and upgrade skills. These activities are completely organized by the students under the guidance of the club incharges. The students perform various activities in order to explore their talents. This academic year a large number of such events were organized by the clubs which are appended in **Annexure VI**. The details of the achievement of our students in National level technical and cultural festivals are appended in **Annexure XIV**.
- (viii) **Professional Societies:** Technical activities are held on a regular basis to promote excellence in technical skills among the students. These activities are completely organized by the student community. The students of various departments become members / office bearers of different professional societies and perform various activities in order to explore / enhance their talent. Various activities performed by professional societies of different departments are enclosed as **Annexure VII**.
- (ix) **International Women’s Day:** Inter College Paper Reading Contest, Debate, Mehndi and Rangoli Competitions were organized on the occasion of “International Women’s Day” that was celebrated on 8th April 2017. On this day the NSS wing of the IET Bhaddal Technical Campus organized a Blood Donation Camp in which 96 donors donated blood. Certificates were awarded to the successful candidates of the Stitching and Embroidery Center run under the Rural Development Program (RDP). The Chief Guest for the function was Ms. Sapna Prabhakar Chief Architect, Govt. of Punjab. Ms. Sheela Kaur Progressive Farmer. Also an awareness workshop on Female Foeticide was organized on 7th March 2017.
- (x) **Cycle Rally:** IET Bhaddal Technical Campus organized a Cycle Rally on 29th March, 2017 on theme of “**Go Green & Donate Organs**” from campus to Gurudwara Tibbi Sahib Ropar and back to Campus on the way various activities scheduled at different venues; Bela Chowk and Maharaja Ranjit Singh Bagh, Ropar.
- (xi) **Yoga Day:** 21 June 2017 yoga day was organized on the Barsi of our Founder Chairman Er. Gurcharan Singh Ji. Mr. Anurag Pandey, Gym Instructor, IET Bhaddal, instructed students and staff of IET about the importance of yoga in daily life and yoga was done physically.

- (xii) **Founder's Tribute Day:** On 21st June 2014, the 14th Founders tribute day was organized in memory of the Founder Chairman, Revered Er. Gurcharan Singh Ji on his 14th Death Anniversary. Chhabeeel Sewa was organized at different location in Punjab on this day and entire Bhaddal Family participated in the event.
- (xiii) **Independence Day Celebrations:** 71st Independence Day was celebrated on 15th August, 2017 on the Campus. Tributes were paid to those who laid their lives to make this day happen. The students, faculty and staff made a commitment to work for raising the standard of technical education and make efforts to inculcate human values in the community.
- (xiv) **Teacher's Day Celebrations:** On 5th September 2017, Teachers' Day was celebrated as a tribute to the valuable contribution made by teachers to the society by imparting knowledge and enlightening and shaping the career of students. Celebration of Teachers' Day is fairly popular in many countries across the world and is even acknowledged by UNESCO. Celebration of Teachers' Day is a wonderful opportunity especially for all of us to show our gratitude and appreciation to our teachers. Students of Bhaddal Campus organized different activities for their teachers; singing, music chairs, balloon game etc and faculty members also participated in different activities with keen interests.
- (xv) **Swatch Bharat Abhiyan:** NSS volunteers went for cleanliness drive at Railway Station Mianpur and also within the campus. It is organized at National level on 11 August, 2017 & 1-15 September, 2017.
- (xvi) **Foundation Day:** 19th Foundation Day was observed on 22nd November 2017. A path was organized where all the faculty, staff and students gathered and took the blessing of Shri Guru Granth Sahib and prayed for the growth and prosperity of the Bhaddal Technical Campus.
- (xvii) **Training and Placement Cell:** Training and Placement Cell is continuously striving to transform the dream of each student into reality by helping them find placements and guiding them for higher education. It plays a significant and key role during the interface when the students complete their studies and enter into suitable employment. The Cell is also guiding the students to join prestigious companies in their training in the final year of their study. Joint Campus Placement Drives for Code App Technologies, Kotak India, Kurali, Hyundai, Kurali, Cooperative Bank, Kiratpur Sahib, Niyati Hospital, Mathura, Investors Clinic, New Delhi, IVY Hospital, Nawan-Shahar, Coatec, Kurali, Clue Corporation, Mohali, Clue Corporation, Mohali, Coatec, Kurali, Softrix, Mohali. The **Annexure X** details the activities of the T & P Cell.
- (xviii) **Sports and Games:** Apart from playgrounds, modern sports facilities including Gymnasium exist for all round development of students. Inter-department, inter-institutes and intra-mural, Inter-hostel events were organized. Regular practices in various sports events of the college teams were conducted so as to make students excel in University tournaments. IET Bhaddal Technical Campus conducts Inter-College Competitions and organized Training Camps on behalf of the Punjab

Technical University. Our students performed well in these activities the details of which are included in **Annexure XIII**.

- (xix) **National Service Scheme (NSS):** The NSS wing of IET Bhaddal Technical Campus is continuously engaged in motivating students to associate themselves in more and more social activities. Blood Donation Camps, Tree Plantation Drives, Cleanliness Drives, Awareness about AIDS and its Control and Drug De-addiction activities are organized by the NSS Wing from time to time on its campus and in nearby villages. The activities of the NSS this year are appended in **Annexure XV**.
- (xx) **Industrial Visits:** So as to interact with the industry, the students are encouraged to visit industries. One day trips for first year students and two day trips and extended trips for senior students were organized accordingly. The details of the industrial visits are available in **Annexure V**.
- (xxi) **Value Education Cell:** IET Bhaddal Technical Campus is nurturing students to value based technical education to create highly committed, dedicated and motivated professionals. Value Education Cell was set up in the campus in August 2011. Its aim is to propagate the idea of living a fulfilling life by living in harmony with self, family, society and nature. It also aims to ensure human beings' valuable participation, thus contributing towards national and worldwide growth.
- (xxii) **Rural Development Programme:** Our Founder Chairman, Er. Gurcharan Singh who had a vision of educated job-oriented rural youth and developed villages, initiated Rural Development Programme for economic and social development of the surrounding Kandi Area villages at the very time of the start of the institutes. Following his footsteps, the Kandi Friends Educational Trust is actively engaged in various programmes connected with Rural Development under the supervision of special RDP wing. **Annexure XI** presents the brief detail of rural development related activities.

ANNEXURE I:

LIST OF PAPERS PUBLISHED & PRESENTED

(a) International Journals

1. **Rashwinder Singh**, “Review of Lung Noidules Identification Rules Extraction with Neural Fuzzy Network,” Internatinal Journal of Advance Research in Science and Engineering, ISSSN (O):2319-8354,ISSN(P):2319-8346,Vol.6, Issue 8, August 2017.
2. **Sharma Ajit**, Shilpa, “Applications of Statistical modeling techniques in forest research,” International Journal of Farm Sciences. 7(1), 2017, pp. 23-28.
3. **Sukhminder Singh Gill**, Kumar Avinash Chandra ,“Dye sensitized solar films for advanced and effective charge collections,” International Journal of Technology Research and Management,ISSSN(O); 2348-9006, 4 (10), 2017.
4. **Sukhminder Singh Gill**, **Avinash Chandra**, “Recent Progress in Dye Sensitized Solar Cells,”International Journal of Advanced Research , Ideas and Innovations in Technology , ISSSN (O) ; 2454-132X,3(5), 2017.
5. **Priya Sharma**, “Review of R-LEACH- Energy Efficient Routing in WSN,” *International Journal of Research in Infortmation Techonology*,”ISSN:2001-5569, 5,Issue 6, June,2017.
6. **Rakesh Kumar**, Arun Kumar Asati, “Experimental Study on Effectiveness of Celdek Packed Liquid Desiccant Cooling System,” Heat Transfer Engineering, ISSN 0145-7632, Thomson Reuters IF 1.235, online DOI: 10.1080/01457632.2017.1338869, 2017.
7. **Rakesh Kumar**, Arun Kumar Asati, Baljit Singh, “Analysis of Velocity for Earth Air Heat Exchanger in Hot-Humid Climate,” An International Journal of Engineering Sciences, ISSN: 2229-6913(Print), ISSN: 2320-0332(Online), Vol 25, 2017,pp. 1-10.
8. **Rakesh Kumar**, Hitesh Sharma, “Experimental Analysis of Micro Channel Heat Sink with Spiral Configuration,”An International Journal of Engineering Sciences, ISSN: 2229-6913(Print), ISSN: 2320-0332(Online), Vol 25, Nov. 2017, pp. 68-81.
9. **Rakesh Kumar**, Arun Kumar Asati, “Effect of Temperature and Specific Humidity of the Air on Performance of Celdek Packed Liquid Desiccant Regenerator,”An International Journal of Engineering Sciences, ISSN: 2229-6913(Print), ISSN: 2320-0332(Online), Vol 25 pp. 147-159.
10. **Rajesh Jha**, Siddharth Ranjan, **Rakesh Kumar**, **Mithlesh Sharma**, “Investigation of Heat Treatment on Mechanical Properties of Mild Steel,” An International Journal of Engineering Sciences, ISSN: 2229-6913(Print), ISSN: 2320-0332(Online), Vol 25, Nov. 2017, pp. 24-28.
11. **Adarsh Bhushan**, “Experimental Investigation on H11 Steel in Abrasive Mixed Edm Process Using Silicon Powder with Al Electrode for Surface Roughness,”An International Journal of Engineering Sciences, ISSN: 2229-6913(Print), ISSN: 2320-0332(Online), Vol 25, Nov. 2017, pp. 36-48.
12. **Piyush Rana**, **Baljinder Singh**, Jaswant Singh, “Parametric Studyof Dissimilar Material on Gas Tungsten Arc Welding,” An International Journal of Engineering Sciences, ISSN: 2229-6913(Print), ISSN: 2320-0332(Online), Vol 25, Nov. 2017, pp. 60-67.
13. **Baljinder Singh**, **Piyush Rana**, “Experimental Investigation on H11 Steel in Abrasive Mixed Edm Process Using Aluminium Electrode for Surface Roughness,”An International Journal of

- Engineering Sciences, ISSN: 2229-6913(Print), ISSN: 2320-0332(Online), Vol 25, Nov. 2017, pp. 119-127.
14. Rajesh Jha, Siddharth Ranjan, **Mithlesh Sharma, Rakesh Kumar**, “*Investigation of Heat treatment Effect on Cast Iron Microstructure Behaviour*,” An International Journal of Engineering Sciences, ISSN: 2229-6913(Print), ISSN: 2320-0332(Online), Vol 25, Nov. 2017, pp. 173-178.
 15. **Gurdev Singh, Tejinderpal Singh, Aman Bansal**, “*Study the Friction Stir Welding Process Parameters and Its Technical Aspects*,” An International Journal of Engineering Sciences, ISSN: 2229-6913(Print), ISSN: 2320-0332(Online), Vol 25, Nov. 2017, pp. 188-193.
 16. **Gurdeep Singh**, “*Technological Advanced Techniques for Joining Ceramics-Metals/Alloys*,” An International Journal of Engineering Sciences, ISSN: 2229-6913(Print), ISSN: 2320-0332(Online), Vol 25, Nov. 2017, pp. 194-198.
 17. **Mithlesh Sharma**, Deepak Kumar Goyal, Gagandeep Kaushal, “*Numerical Simulation and Characterization of Slurry Erosion of HVOF Coated Surfaces by Using Failure Analysis Approach*,” An International Journal of Engineering Sciences, ISSN: 2229-6913(Print), ISSN: 2320-0332(Online), Vol 25, Nov. 2017, pp. 199-210.
 18. Lipika Bhardwaj, **Jagdeep Singh**, Sanjay Kaushik, “*Customers’ Choice for opening an account: Comparison between public and private sector banks*” International Research Journal of Management and Commerce, Volume 4, issue 8, I, 2017, SSN 2348-9766. (UGC approved)
 19. Lipika Bhardwaj, **Jagdeep Singh**, Sanjay Kaushik, “*Managerial perceptions on corporate social responsibility in select public and private sector banks in India*”, International Journal of Applied Research ; 3(6), 2017, 889-895, ISSN Print: 2394-7500. (UGC approved)
 20. Jyotsna Sharma, **Jagdeep Singh**, “*Factor Analysis of Customer Perspective toward Electronic Banking*”, International Journal of Engineering and Technology (IJET), ISSN (Print) : 2319-8613, 2017, ISSN (Online) : 0975-4024.
 21. **Kawal Nain Singh, Navdeep Kaur**, “*Perception of Bank Customers about Financial Inclusion Programmes (A Comparative Study of Punjab and Haryana)*”, International Journal of Electronics, Electrical and Computational System, ISSN 2348-117X, Volume 6, Issue 7 July 2017.
 22. **Kawal Nain Singh, Puneet Kaur**, “*Regulatory Framework for Financial Inclusion in India*”, International Journal of Engineering Technology Science and Research, ISSN 2394-3386 Volume 4, Issue 9 Sep 2017.
 23. **Yogesh Kumar**, “*An Automatic Speech Recognition System for Spontaneous Punjabi speech corpus*” International Journal of Speech Technology, under Springer International Publishing, 2017, pp.1-7.
 24. **Yogesh Kumar**, “*An Automatic Spontaneous Speech Recognition System for Punjabi Language. In: Speech and Language Processing for Human-Machine Communications Advances in Intelligent Systems and Computing*,” Springer, Singapore, vol.664, Nov 2017.
 25. **Sarabjit Singh**, “*Decision Based Adaptive Median Filter used for noise removal from images using LBP Technique*” International Journal of Scientific Progress & Research, (IJSPR) Issue 93, Volume 33, Number 02, 2017, ISSN: 2349-4689 pp. 49-59.
 26. **Manish Kumar Arey**, Chetram, “*Green Computing : A study on future computing and energy saving technology*,” Research Cell: An international journal of engineering sciences,” ISSN: 2320-0332(Online), UGC Approved Journal (S.No.63019) , Nov 2017, pp 82-88.

27. **Manish Kumar Arey**, Chetram, “A review on machine learning: Future and prospects”, Research Cell: An International Journal of Engineering Sciences, ISSN: 2320-0332(Online), UGC Approved Journal (S.No.63019) , Nov 2017, pp 89-86.
28. **Surabhi Kaul, Kanika Sood**, “Cloud computing and its emerging need: advantages and issues” International Journal of Advanced Research in Computer Science, vol 8, no-3, pp.618-624.

(b) **National Journals**

1. **Rimpika**, Sharma N, Sharma D P, “Effect of chemical thinning, gibberellic acid and pruning on growth and production of nectarine (*Prunus persica* (L.) Batsch var. *nucipersica*) cv. *May Fire*,” Journal of Applied and Natural Sciences, 9(1): 2017, pp. 332-337.
2. Rajiv K, Sharma N, **Rimpika**, Sharma D.P, “Effect of hand and chemical thinning on growth and production of nectarine cv. *Snow Queen*”, Indian journal of Ecology .44(1), 2017, pp. 95-98.
3. **Rimpika** and Sharma N, “Effect of growth regulators and pruning on fruit size and quality of nectarine”, Indian Journal of Ecology, 44(6), 2017, pp. 721-725.
4. Anuradha, Rajendra K. Singh, Bheem Pareek, **Deepak Kumar**, Suman Meena and S.K. Dubey, “Different Levels of Fertilizers on Growth and Yield of Cluster Bean (*Cyamopsis tetragonoloba* L.) in rainfed area of Uttar Pradesh. Int.J.Curr.Microbiol.App.Sci,6(4): 2017,xx-xx. doi: <https://doi.org/10.20546/ijcmas..604.0x>.
5. **Kumar D**, Singh RK, Pareek B, Yadav, RS, Anuradha, Gaurav, R, Shukla, M, Dubey, S.K, “Response of different sources of Phosphorus on growth, nodulation and yield on Greengram (*Vigna radiata* L.)”, Int. J. Pure App. Biosci, 5(6), 2017, pp. 201-207, doi: <http://dx.doi.org/10.18782/2320-7051.2628>.
6. **Sharma Ajit**, Shilpa, “ Dynamics of ovine population in Himachal Pradesh”. The Ecoscan, 10(3&4), 2017, pp 495-500.
7. **Sharma Ajit**, R K Gupta, P K. Mahajan, Shilpa, “Statistical Investigations on *Abies pindrow* in Himachal Pradesh, India”, Indian Journal of Current Microbiology and Applied Sciences, 6(10), 2017, pp. 4714-4719.
8. **Sharma Ajit**, R.K.Gupta, P.K.Mahajan and Shilpa, “Volume Equations for *Cedrus deodora* in Kullu District of Himachal Pradesh, India”, Indian Journal of Ecology, 44(6), 2017, pp. 781-784.
9. **Priya Sharma**, “Energy Efficient routing in WSN”, Trends in Microwave Engineering and Technology” Volume 2, Issue 3, August 2017.
10. **Priya Sharma**, “Fibre Optic Communications”, Journal of Electronics and Optical Communication Engineering, Volume 2, issue 2, July 2017.
11. **Shreya Kaushal, Ramanjyot Kaur**, “A review based on dependence of microwave Abs. Material upon number of layers and thickness of material”, IKG PTU Sponsored National Conference on Emerging trends in Mechanical Engg. ETME-2017, 24-25 October, 2017.
12. **Rakesh Kumar**, Arun Kumar Asati, “Study on the Performance of Celdek Packed Counter Flow Liquid Desiccant Regenerator,” Journal of Mechanical Science and Technology, ISSN 1738 494X, TR IF 1.128, 31(9) 4489-4498, doi 10.1007/s12206-017-0849-y, 2017.

13. Baljit Singh, Arun Kumar Asati, **Rakesh Kumar**, “*Temperature difference findings from Earth Air Heat Exchanger System in Hot-Dry Climate*,” Indian Journal of Science and Technology, ISSN 0974-6846, Vol 10(18), 2017, pp. 1-4. DOI: 10.17485/ijst/2017/v10i18/113745.
14. Kirn Thakur, **Jagdeep Singh**, **Puneet Kaur**, “*A Study of Spirituality at Work and Organisational Commitment of University Teachers*”, Pertanika Journal of Social Sciences and Humanities (JSSH), Vol 25(4), 2017, ISSN 0128-7702. (Elsevier Scopus Indexed).
15. Lipika Bhardwaj, **Jagdeep Singh**, Sanjay Kaushik” *Impact of CSR Reporting on the Customers of Selected Public and Private Sector Banks*”, The Diviner: A research Journal of Humanities and and Social Sciences, 2017, ISSN 0973-8320 (UGC approved).
16. Hapreet Kaur, **Jagdeep Singh**, “*Study of Financial Behavior of Indian Investors During Announcement of GST And VAT*”, Global Journal of Commerce and Management Perspective, Vol.6(6), 2017, 26-29, ISSN: 2319 , 7285 (UGC approved).
17. **Munish Sharma**, “*Energy Conservation and Open Spaces in Building (vastu-concept)*,” Sri Lal Bahadur Shastri Rashtriya Sanskrit Vidyapeetha-Deemed University(SLBRSRV) Journal, New Delhi, 28th December, 2017.
18. **Gurinderpal Singh**, **Sukhdeep Singh**, “*A Review on Mobile Adhoc Network (MANET) Routing*” ETME-2017, 24-25 Oct 2017, IET Bhaddal Technical Campus Ropar, (IJOES UGC Approved Journal (S.No.63019))
19. **Yogesh Kumar**, **Sarabjit Singh**, “*Recent Advancement in the field of Digital Marketing : A Review*”, ETME-2017, 24-25 Oct 2017, IET Bhaddal Technical Campus Ropar (IJOES UGC Approved Journal (S.No.63019)).
20. **Surabhi Kaul**, **Kanika Sood**, “*Cloud computing as the 5th utility:its vision and its importance-A Review*”, ETME-2017, 24-25 October 2017, IET Bhaddal Technical Campus Ropar (IJOES UGC Approved Journal (S.No.63019)).

(c) **International Conferences**

1. **Vidya Devi**, “*Recent EXFOR compilation status in India and estimation of uncertainty propagation in efficiency*”, IAEA Proceeding ,2017,INDC(MGL)-0001.
2. **Tejinder Pal Singh**, Inderpreet Singh Ahuja, “*Evaluating the Expiots of Total Productive Maintenance Implementation in a Food Processing Industry*”, IJPQM_124470, Vol 21(4), pp. 429-442.
3. **Jagdeep Singh**, Vishal Vinayak, “*Implimenting Service quality-A case study of public sector bank*”, International Conference on Reaching consumer in Emerging markets,IIMLucknow, Jan5-7, 2017.
4. **Jagdeep Singh**, “*Gender Based Talent Acquisition and Retention Practices*”, A Study of Employees in Delhi-NCR Region”, Symbiosis International University, Pune, Dec14-16, 2017, 8thInternational Conference-SIMSARC 17.
5. **Surabhi Kaul**, “*Serach over encrypted data*” International Conference on Energy, Communication,” Data Analytics and Soft Computing (ICECDS), 2017.
6. **Kanika Sood**, “*Hybrid task scheduling method using FA and GSA*” International Conference on Energy, Communication, Data Analytics and Soft Computing (ICECDS), 2017.

(d) National Conferences

1. **Akanksha Kapila**, HarminderKaur, Jugal Kishore Puri, “*Synthesis, characterization and cytotoxicity of organotin(IV) complexes with Schiff base ligands*”, in 20th Punjab Science Congress, 7th-9th February 2017, bagged the ‘**Best Poster Award**’.
2. **Aman Sharma, Jagjit Singh ,Vidya Devi, S. Ganesan**, “Uncertainty propagation in efficiency calculation of HPGe detector using Unscented Transform Method, Proc. Symp. On Nucl. Phys. (India), 62, 128 2017.
3. **Aman Sharma, Jagjit Singh , Vidya Devi, S. Ganesan**, “Uncertainty propagation in efficiency calculation of HPGe detector using Monte Carlo Method, Proc. Symp. On Nucl. Phys. (India), 62, 130, 2017.
4. **Vidya Devi, J. B. Gupta** , Nuclear Structure of Uranium isotopes in the frame work of two parameter formula, Proc. Symp. On Nucl. Phys. (India), 62, 136 ,2017.
5. **Vidya Devi, J. S. Kanwar**, “Delta I=2 staggering in Ce nuclei” , ,Proc. Symp. On Nucl. Phys. (India), 62, 138 2017.
6. **Vidya Devi, H. M. Mittal**, “Identical energy band of 236U and 238U isotopes by using two parameter formula”, Proc. Symp. On Nucl. Phys. (India), 62, 138, 2017.
7. **Vidya Devi**, “*The Study of A=100-150 Super Deformed Mass Region By Using Two Parameter Formula*”, ETME-02.
8. **Aman Sharma,Vidya Devi**, “*Uncertainty Propagation in Efficiency Calculation of HPGe Gamma Ray Detector Using Unscented Transform Method*”,ETME-03.
9. **Aman Bansal, Gurdev Singh, Tejinder Pal Singh**, “*TigWeldingonStainlessSteel 304 Optimization using Taguchi Method*,” 20th Punjab Science Congress on Innovative Research in Science and Technology for Sustainable Development, IET Bhaddal Technical Campus, 7-9 February, 2017.
10. **Gurdeep Singh, Onkar Singh**, “*Emerging Techniques for Joining Dissimilar Materials*”, 20th Punjab Science Congress on Innovative Research in Science and Technology for Sustainable Development, IET Bhaddal Technical Campus, 7-9 February, 2017
11. **Mithlesh Sharma, Rakesh Kumar**, “*Effect of different parameters on Magnetic Abrasive Machining*”, 20th Punjab Science Congress on Innovative Research in Science and Technology for Sustainable Development, IET Bhaddal Technical Campus, 7-9 February, 2017.
12. **Rakesh Kumar, Mithlesh Sharma**, “*Detailed Study of Mechanical and Electrical Components of Domestic Refrigerator*” 20th Punjab Science Congress on Innovative Research in Science and Technology for Sustainable Development, under the aegis of Punjab Academy of Sciences, Patiala, IET Bhaddal Technical Campus, Bhaddal, Ropar, 07-09 February 2017.
13. **Baljinder Singh, Jaswant Singh, PiyushRana, Adarsh Bhushan**, “*Experimental Investigation on the Comparison between the effects of Surface roughness machining parameter on Powder Mixed EDM process using two different Die-Steels*,” 20th Punjab Science Congress on Innovative Research in Science and Technology for Sustainable Development, IET Bhaddal Technical Campus, 7-9 February, 2017.

14. **Jaswant Singh, Baljinder Singh, Piyush Rana**, "*Effect of Welding Process Parameters in GTAW using Stainless Steel-316L*", 20th Punjab Science Congress on Innovative Research in Science and Technology for Sustainable Development, IET Bhaddal Technical Campus, 7-9 February, 2017.
15. **Rakesh Kumar**, Baljit Singh, Arun Kumar Asati, "Analysis of Velocity for Earth Air Heat Exchanger in Hot-Humid Climate," IKG PTU Sponsored National Conference on Emerging Trends in Mechanical Engineering, 24-25 October 2017, pp. 14-23.
16. **Rajesh Jha, Siddharth Ranjan, Rakesh Kumar, Mithlesh Sharma**, "*Investigation of Heat Treatment on Mechanical Properties of Mild Steel*," IKG PTU Sponsored National Conference on Emerging Trends in Mechanical Engineering, 24-25 October 2017, pp. 48-52.
17. **Adarsh Bhushan**, "*Experimental Investigation on H11 Steel in Abrasive Mixed Edm Process Using Silicon Powder with Al Electrode for Surface Roughness*," IKG PTU Sponsored National Conference on Emerging Trends in Mechanical Engineering, 24-25 October 2017, pp. 62-69.
18. **Piyush Rana, Baljinder Singh, Jaswant Singh**, "*Parametric Study of Dissimilar Material on Gas Tungsten Arc Welding*," IKG PTU Sponsored National Conference on Emerging Trends in Mechanical Engineering, 24-25 October 2017, pp. 81-87.
19. **Hitesh Sharma, Rakesh Kumar**, "*Experimental Analysis of Micro Channel Heat Sink with Spiral Configuration*," IKG PTU Sponsored National Conference on Emerging Trends in Mechanical Engineering, 24-25 October 2017, pp. 88-100.
20. **Baljinder Singh, Piyush Rana**, "*Experimental Investigation on H11 Steel in Abrasive Mixed Edm Process Using Aluminium Electrode for Surface Roughness*," IKG PTU Sponsored National Conference on Emerging Trends in Mechanical Engineering, 24-25 October 2017, pp. 136-143.
21. **Rakesh Kumar**, Arun Kumar Asati, "*Effect of Temperature and Specific Humidity of the Air on Performance of Celdek Packed Liquid Desiccant Regenerator*," IKG PTU Sponsored National Conference on Emerging Trends in Mechanical Engineering, 24-25 October 2017, pp. 163-174.
22. **Rajesh Jha, Siddharth Ranjan, Mithlesh Sharma, Rakesh Kumar**, "*Investigation of Heat treatment Effect on Cast Iron Microstructure Behaviour*," IKG PTU Sponsored National Conference on Emerging Trends in Mechanical Engineering, 24-25 October 2017, pp. 203-207.
23. **Gurdev Singh, Tejinderpal Singh, Aman Bansal**, "*Study the Friction Stir Welding Process Parameters and Its Technical Aspects*," IKG PTU Sponsored National Conference on Emerging Trends in Mechanical Engineering, 24-25 October 2017, pp. 209.
24. **Gurdeep Singh**, "*Technological Advanced Techniques for Joining Ceramics-Metals/Alloys*," IKG PTU Sponsored National Conference on Emerging Trends in Mechanical Engineering, 24-25 October 2017, pp. 210-211.
25. **Mithlesh Sharma**, Deepak Kumar Goyal, Gagandeep Kaushal, "*Numerical Simulation and Characterization of Slurry Erosion of HVOF Coated Surfaces by Using Failure Analysis Approach*," IKG PTU Sponsored National Conference on Emerging Trends in Mechanical Engineering, 24-25 October 2017, pp. 214.
26. **Tejinderpal Singh, Amandeep Singh, Gurdev Singh**, "*Introduction to Kaizen concept: A Literature Review*," IKG PTU Sponsored National Conference on Emerging Trends in Mechanical Engineering, 24-25 October 2017, pp. 215.
27. **Aman Kumar**, P. S. Satsangi, Gurdev Singh, "*A Review of μ EDM*," IKG PTU Sponsored National Conference on Emerging Trends in Mechanical Engineering, 24-25 October 2017, pp. 216.

28. **Amandeep Singh**, *“Result of Cryogenic Treatment on Surface Roughness of cutting tool in Machining of Stainless Steel (302),”* IKG PTU Sponsored National Conference on Emerging Trends in Mechanical Engineering, 24-25 October 2017, pp. 228.
29. **Onkar Singh**, *“Concept of Turbojet Engines – An Overview,”* IKG PTU Sponsored National Conference on Emerging Trends in Mechanical Engineering, 24-25 October 2017, pp. 229.
30. **Sameer Anand Raj, Bhism Narayan Singh, Raman Gorka, Rakesh Kumar**, *“Development of Air Cooler cum Room Heater ,”* IKG PTU Sponsored National Conference on Emerging Trends in Mechanical Engineering, 24-25 October 2017, pp. 234.
31. **Rakesh Kumar**, Harpreet Singh, Ankit Sharma, Davinder, Rupinder Singh, *“Fabrication of Tilting Bike,”* IKG PTU sponsored National Conference on Emerging Trends in Mechanical Engineering, IET Bhaddal, Ropar, 24-25 October, 2017, pp. 239.
32. **Munish Kumar**, *“Thermodynamic Analysis of Forced Geoheat,”* IKG PTU Sponsored National Conference on Emerging Trends in Mechanical Engineering, 24-25 October 2017, pp. 240.
33. **Anil Kumar Nanda**, Jaspal Singh, *“Formulation of equations for evaluating compressive strength of concrete containing flyash and silica fume,”* 20th Punjab Science Congress on Innovative Research in Science and Technology for Sustainable Development, IET Bhaddal Technical Campus, 7-9 February, 2017.
34. **Gagandeep Kaur, Anil Kumar Nanda**, *“Effect of recycled coarse aggregate on flexural behaviour of concrete filled steel tubes,”* 20th Punjab Science Congress on Innovative Research in Science and Technology for Sustainable Development, IET Bhaddal Technical Campus, 7-9 February, 2017.
35. **Anil Kumar Nanda**, Jaspal Singh, *“Evaluation of Ratio between Split Tensile and Compressive Strength of OPC Concrete,”* IKG PTU Sponsored National Conference on Emerging Trends in Mechanical Engineering, 24-25 October 2017.
36. **Amandeep Singh, Ruquya Jan**, *“Analysis for compressive strength of fly ash concrete,”* IKG PTU Sponsored National Conference on Emerging Trends in Mechanical Engineering, 24-25 October 2017.
37. **Gagandeep Kaur, Anil Kumar Nanda**, *“Study of behaviour of self-compacting concrete using recycled coarse aggregates,”* IKG PTU Sponsored National Conference on Emerging Trends in Mechanical Engineering, 24-25 October 2017.
38. **Manisha, Anil Kumar Nanda**, *“Replacement of wood Ash with ordinary Portland cement,”* IKG PTU Sponsored National Conference on Emerging Trends in Mechanical Engineering, 24-25 October 2017.
39. **Bhawana Devi, Rosalin Lalremruati**, *“Comparison between the use of natural and artificial coarse aggregate on strength properties of concrete mixture,”* IKG PTU Sponsored National Conference on Emerging Trends in Mechanical Engineering, 24-25 October 2017.
40. **Anita, Jagjeet Singh, Neeraj Saini**, *“Application of Silica Fume and Nano silica in Cement and Concrete – A Review,”* IKG PTU Sponsored National Conference on Emerging Trends in Mechanical Engineering, 24-25 October 2017.
41. **Owaisahmad Shah, Anil kumar Nanda**, *“Compressive strength of Recycled Concrete,”* IKG PTU Sponsored National Conference on Emerging Trends in Mechanical Engineering, 24-25 October 2017.

42. **Manish Kumar Arey, Chet Ram**, “*Green Computing : A study on future computing and energy saving technology*”, IKG-PTU Sponsored national conference on emerging trends in Mechanicalengineering, on 24-25 October, 2017.
43. **Gurinderpal Singh**, Priyanka Mehta, KiranpreetKaur Gill, “A survey on clone detection Technique,” *National Conference on Innovations and Developments in Engineering and Management, NCIDEM-2017, Universal Institute of Engineering & Technology, page 015S. No. 10*

ANNEXURE II:

DETAILS OF CONFERENCE/SEMINAR/WORKSHOP ORGANIZED

Department	Name of Conference/Seminar/ Workshop	Name and Designation of Coordinator	Dates
CSE	Practical Workshop on Cyber Security conducted by CYBER DEFENCE INTELLIGENCE CONSULTING	Yogesh Kumar Sarabjit Singh	23 rd Aug., 2017
	Practical Workshop on Kotlin Programming Language for Android	Yogesh Kumar Sukhdeep Singh	19 th Sept., 2017
EE	2-week ISTE STTP on Electric Power System by IIT Kharagpur	Sukhminder Singh Gill, Asst.Prof-EE	10 th -15 th July, 2017
	2-week ISTE STTP on CMOS, Mixed Signal and Radio Frequency VLSI Design by IIT Kharagpur	Rashwinder Singh , Asst.Prof-EE	30 th Jan.-04 th Feb., 2017
	One day workshop on Automatic Control System in collaboration with Prolific Systems India Ltd.	Rashwinder Singh , Asst.Prof-EE	20 th Sept., 2017
ME	One week ICT based STC on Recent Trends in Automobile Engineering”, NITTTR Chandigarh in association with IET Bhaddal, Ropar	Mr. Aman Bansal Associate Professor	13 th -17 th Feb., 2017
	Workshop on Project Display, IET Bhaddal, Ropar	Dr. Rakesh Kumar Associate Professor, Mr. Aman Bansal Associate Professor	09 th Aug., 2017
	College to Corporate Program in Workplace Communication, under the National Mission of Education through ICT, MHRD, New Delhi	Dr. Vidya Associate Professor, Dr. Rakesh Kumar Associate Professor, MED	07 th Sept. – 12 th Nov., 2017
	One day workshop on Integration of Robots and Sensors, in association with Innovative Electronics, Ropar	Mr. Tejinder Pal Singh AP MED	10 th Oct., 2017
	One day workshop on Tech and Entrepreneurship, letsjavascript.com, Phase 1	Mr. Mohinder Singh Chahal	09 th Nov., 2017

	Chandigarh	Founder and CMD	
	Seminar on Entrepreneurship awareness (EDP)	Baljinder Singh	04 th Sept., 2017
MCA	Workshop on 'BLOG AND SHOPPING CART WEBSITE USING WORD PRESS & PHP'	Ms. Kavita Koundal, A.P	14 th Sept., 2017
COA	Foundation Programme in ICT for education NMEICT IIT Bombay	G.K. Singh	03 rd Aug.– 07 th Sept., 2017
HMCT	One day workshop conducted for Rural Development Wing under the Cook & Style Club with collaboration with HM Department	Ms. Seema Ms. Kanchan Mr. B.S.Bora	15 th Sept., 2017

ANNEXURE III:

DETAILS OF SPECIALISED COURSES ATTENDED BY FACULTY

Department	Name of Faculty	Course	Venue	Dates
CSE	Mr. Yogesh Kumar Mr. Sarabjit Singh Ms. Sandeep Kaur Ms. Kanika Sood Ms. Surabhi Kaul	Foundation Program in ICT for Education by IIT Bombay	IET Bhaddal Ropar	03 rd Aug.- 07 th Sept., 2017
	Mr. Gurinderpal Singh	Workshop on Female Foeticide	IET Bhaddal Ropar	07 th March, 2017
	Mr. Gurinderpal Singh	CMOS Mixed signal and radio frequency VLSI Design	IET Bhaddal Ropar	30 th Jan.- 4 th Feb., 2017
	Mr. Sarabjit Singh	Smart India Hackathon 2017	NITTTR Chandigarh	03 rd Jan., 2017
	Mr. Sukhdeep Singh	Workshop on Photoshop	NITTTR Chandigarh	18 th - 22 nd Sept., 2017
	Mr. Sukhdeep Singh	Orientation Workshop at IIT Bombay	IIT Bombay	18 th Aug., 2017
EE	Rashwinder Singh Sukhminder Singh Gill	Instructional design and delivery system by CPSC Manilla	NITTTR, Chandigarh	14 th -18 th March, 2017
	Rashwinder Singh, Sukhminder Singh	Technical and Vocational Education & Training in India: Challenges and opportunities	NITTTR, Chandigarh	17 th March, 2017
ME	Dr. Rakesh Kumar, Er. Aman Bansal, Er. Tejinder Pal Singh, Er. Gurdev Singh, Er. Jaswant Singh,	One day Workshop on Vitiya Saksharta Abhiya (VISAKA)	IET Bhaddal Technical Campus, Ropar	12 th Jan., 2017

	Er.PiyushRana, Er.Baljinder Singh, Er.Jaswant Singh, Er.Adarsh Kumar			
	Dr. Rakesh Kumar, Er. TejinderPal Singh, Er. Gurdev Singh, Er. AmanBansal, Er. Jaswant Singh, Er. PiyushRana, Er. Baljinder Singh, Er. Jaswant Singh, Er. Adarsh Kumar	One week STC on Recent trends in Automobile	IET Bhaddal Technical Campus, Ropar.	13 th -17 th Feb., 2017
	Dr. Rakesh Kumar, Er. AmanBansal, Er. Gurdeep Singh, Er. Onkar Singh, Er. Mithlesh Sharma, Er. Tejinder Pal Singh, Er. Gurdev Singh, Er. Jaswant Singh, Er. PiyushRana, Er. Baljinder Singh, Er. Jaswant Singh, Er. Adarsh Kumar, Er. Munish Kumar	Two days IKG PTU Sponsored National Seminar on Design and Manufacturing	IET Bhaddal Technical Campus, Ropar.	28 th -29 th Sept., 2017
	Dr. Rakesh Kumar Er. Gurdev Singh	Foundation Programme in ICT for Education, IIT Bombay through IITBombayX-FDP101x	IIT Bombay Remote Centre, IET Bhaddal, Ropar	03 rd Aug.– 12 th Sept., 2017
	Er. Baljinder Singh Er. Tejinder Pal Singh	Teacher Training Camp	Dalhousie	19 th -22 nd Sept., 2017
	Er. Baljinder Singh	Seminar on Intellectual Property Right	PTU Kapurthala	06 th May, 2017
MCA	Ms. KavitaKoundal	Artificial Neural Network and Fuzzy Logic Through ICT	NITTTR, Chandigarh	24 th -28 th April, 2017
	Ms. KavitaKoundal Ms. JasleenKaur Mr. Manish Arey Ms. Anita	Workshop on “PYTHON PROGRAMMING”	B Block	04 th Oct., 2017
COA	Munish Sharma	Foundation Programme in	IET Bhaddal,	03 rd -07 th Sept.,

	Charu Kapoor Sakshi Rajput	ICT for education NMEICT IIT Bombay	Campus	2017
	Sakshi Rajput	Pedagogy for online blended teaching learning process	IET Bhaddal, Campus	14 th Sept.– 12 th Oct., 2017
B. Sc. Agriculture	Dr. Prerna Sood Dr. Rimpika Mr. Deepak Kumar	FDP on Foundation Program in ICT for Education Conducted by IIT, Bombay	IET Bhaddal Technical Campus	03 rd Aug.-07 th Sept., 2017
IMS	Dr. Jagdeep Singh	Case Teaching and Writing Workshop	IIM, Lucknow	05 th -08 th Sept., 2017
	Mr. Deepak Sood Mr. Kawal Nain Singh Ms. Taranjit Kaur Ms. Harleen Kaur	Foundation program in ICT for Education	IET Bhaddal, Remote Centre of IIT-Bombay	03 rd Aug.-12 th Sept., 2017
	Mr. Deepak Sood	Econometrics with application of “R programming”	IIT-Rourkee	03 rd -07 th July, 2017
	Mr. Deepak Sood Mr. Kawal Nain Singh Ms. Navdeep Kaur	Online Course on “Marketing Research and Analysis”	IIT-Rourkee (NPTEL)	July-Sept., 2017
Applied Sciences	Mr. Vishal Arora	NBA	NITTTR Cha nadigarh	29 th Jan., 2017
	Mr. Vishal Arora	Advancement in Laboratory Skills	NITTTR Cha nadigarh	20 th -24 th Feb., 2017
	Ms. Gurmeet Kaur	Foundation Program in ICT for Education	IET Bhaddal, Ropar	3 rd Aug – 7 th Sept., 2017
ECE	Ms. Shreya Kaushal	ISTE STTP on Electric power system	IET Bhaddal	12 th June-15 th July, 2017
	Ms. Shreya Kaushal	ISTE STTP on CMOS, Mixed Signals and Radio Frequency VLSI Design	IET Bhaddal	30 th Jan.-4 th Feb., 2017

ANNEXURE IV:

DETAILS OF EXPERT LECTURES ORGANISED IN IET BHADDAL TECHNICAL CAMPUS

Department	Name of speaker & Designation, Organization	Topic	Dates
ME	Ms. Kirti Sharma	Introduction to Design	17 th Feb., 2017
	Mr. Pankaj Sharma	Career Orientation	17 th Feb., 2017
	S. Harjinder Singh Cheema, Cheema Boilers Limited, Kurali	Entrepreneurship as a Profession	07 th Sept., 2017

ANNEXURE V:**DETAILS OF FIELD TRIPS AND INDUSTRIAL VISITS ORGANISED**

Department	Name of Industry	No of students of batch/Sem who visited the Industry	Dates of Visit
MED	Mach Auto-Expo 2017, Ludhiana	53 Students of batch 2014 6 th Semester	17 th -20 th Feb., 2017
	P & R Group, Rangilpur, Ropar	33 Students of batch 2016 3 rd Semester	22 nd June, 2017
	JREW Engineering Ltd.	25 Students of batch 2016&2017 3 rd & 5 th Sem, Diploma ME	01 st Sept., 2017
	Guru Gobind Singh Super Thermal Plant. Ropar	60 Students of batch 2016 3 rd & 5 th Sem Diploma/B.Tech	05 th Sept., 2017
MCA	IDS Infotech	16 studnets of 2016 batch)/4 th Sem	03 rd March, 2017
COA	Sports complex, mohali	60 students of Batch 2015/5 th sem & 2013/9 th sem	26 th Sept., 2017
	PEDA Sector 33	35 Students of Batch – 2013	15 th Sept., 2017
	Amritsar City visit for Vernacular study	35 Students of Batch – 2013	22 nd -23 rd Sept., 2017
	Urban Design study of Thanesar, Kurukshetra	16/Sem-1 M.Arch.	30 th July, 2017
	International Airport case study, Chandigarh	14/Sem-3 M.Arch.	17 th Aug., 2017
	Live landscaping case study of sukhna lake	18/Sem-1 M.Arch.	07 th Oct., 2017
	Book Launch on Le- Corbusier Rediscover	18/Sem-1 M.Arch.	08 th Dec., 2017
	Urban study of the mall Road, Patiala city	2/Sem-3 M.Arch.	08 th Aug., 2017
B. Sc. Agriculture	Farmaer Fair at Anandpur Sahib	50 of batch 2015 & 2016 Batch	10 th April, 2017
	Bhangu Farm at Purkhali	52 of batch 2017 & 2016 Batch	01 st Sept., 2017
HMCT	Piccardly Hotel, 34 Sec., Chandigarh	50	10 th Oct., 2017
IMS, GCS-IVS	Dainik Bhaskar (Ind.Visit)	52 Students of batch 2015-2016/ 2 nd -4 th Semester	21 st Sept., 2017
	Kasoli Trip	42 Students of batch 2016-2017/2nd-6th Semester	29 th April, 2017

ANNEXURE VI:**DETAILS OF CLUB ACTIVITIES ORGANIZED**

Department	Organizing Club	Events Organized	Dates
IET	Robotics Club	Robo Rally	13 th Oct., 2017
IMS & GCS-IVS	Finance Club	Live Budget Session	01 st Feb., 2017
	Artist Club	Mehendi Competition	25 th July, 2017
	Singing Club	Singing Competition	21 st Aug., 2017
	Dancing Club	Bhangra Competition	22 nd Aug., 2017
	Artist Club	Poster Making and Pot Decoration	05 th Sept., 2017
B.Sc Agriculture	Agriculture club	Cleaness Programme in Herbal Garden and Horticulture field	06 th Oct., 2017
EE	Renewable Energy Club	Workshop on “PLC devices, HMIS and AC Drives” conducted by Prolific Systems,Noida	20 th Sept., 2017
	Renewable Energy Club	Workshop on “Embedded Systems and PLC Devices” conducted by Wonder Automation Mohali	15 th Sept., 2017
	Dramatics Club	South Zonal Youth Fest, Tangori	12 th -14 th Oct., 2017
Hotel Management	Dancing club	Dance, Bhangra, Giddha	22 nd July, 2017
	Cook & Style Hospitality & Housekeeping	Stylish foods for latest technology at VIP room	27 th Oct., 2017
MCA/CSE	Ethical Hacking Club	Workshop on “Cyber Security”	23 rd Aug., 2017
	Digital Club	Technical Quiz	09 th Aug., 2017
	Ethical Hacking Club	Workshop on “PYTHON Programming”	04 th Oct., 2017
	Ethical Hacking Club	Workshop on “Kotlin programming for android”	19 th Sept.,2017
MCA	Web designing and development Club	Workshop on “Hybrid Mobile Application Development with REACT”	12 th Oct., 2017
COA	Fine Arts Club	Face Painting, Rangoli, Poster making, Ex-tempore, T-shirt painting, On the spot painting	06 th -08 th March, 2017
	Literary club	Quiz competition, paper reading, Slogan writing	05 th Oct., 2017

ANNEXURE VII:**DETAILS OF PROFESSIONAL SOCIETIES AND THEIR ACTIVITIES**

Department	Name of Society	Event Details	Date
ME	SME	Quiz o Mania	28 th Feb., 2017
	SME	Dezin It	03 rd Feb., 2017
HM	Ladies Wing	Cook and Style	20 th Dec., 2017
MCA	Society of Computer Application	Quiz	04 th Sept., 2017
	Society of Computer Application	Quiz	18 th Sept., 2017
	Society of Computer Application	Quiz	16 th Oct., 2017

ANNEXURE VIII:
BOOKS PUBLISHED/EDITED

Department	Name of Authors/Editor	Title of Book	Publisher	ISBN No
MED	Mithlesh Sharma	Slurry Erosion Resistance of HVOF Coatings	LAP Lambert Academic	978-3-659-81042-8

ANNEXURE IX:
DETAILS OF FACULTIES DELIVERED EXPERT TALK

Name of Faculty	Deptt.	Topic	Date
Mr. Rashwinder Singh	EE	“Digital devices and their applications in computer science” at DeshBhagat College Bardwal-Dhuri(Distt. Sangrur)	20 th Jan., 2017
Dr. Vidya Devi	Applied Sciences	Talk on Introduction of Gsys 2.4.8 digitizer at NEHU Shilong	10 th March, 2017
Dr. Vidya Devi	Applied Sciences	Talk on Recent compilation status in India and estimation of uncertainty propagation inefficiency at National University Mongolia	11 th Oct., 2017
Mr. Mithlesh Sharma	ME	Machine Design : An Overview	28 th Sept., 2017
Mr. Baljinder Singh	ME	Structure of Computer Aided Design	29 th Sept., 2017

ANNEXURE: X
Campus Placement Activities:

Student Name	Designation	Name of Company
Rajat Sharma	Networking Engineer	Code App Technologies
Meenakshi Verma	Accounts Executive	Kotak India, Kurali.
Neelu Rana	Management Trainee	Hyundai, Kurali.
Satinder Kaur	Management Trainee	Cooperative Bank, Kiratpur Sahib.
Geetika Sharma	HR Executive	Niyati Hospital, Mathura
Irfan Shafi	Marketing Executive	Investors Clinic, New Delhi
Harpreet Singh	Accounts Executive	IVY Hospital, Nawan-Shahar
Neeraj Kumar	Purchase Executive	Coatec , Kurali
Sahil	Trainee Engineer	Clue Corporation, Mohali
Anmol Sharma	Trainee Engineer	Clue Corporation, Mohali
Harish Kumar	Purchase Executive	Coatec , Kurali
Siddarth Ranjan	Trainee Engineer	Softrix , Mohali

ANNEXURE XI:**DETAILS OF RURAL DEVELOPMENT PROGRAMME**

Event Organized	Venue	Date
One day workshop on "Cook and Style"	Village Panjoi	12 th Sept., 2017
Organized one day historical trip	Near by Ropar	23 rd Sept., 2017
Organized Maaghimela for the college promotion	Village Bindrakh	14 th Jan., 2017
Celebration of Swaach Bharat Abhiyan	IET Bhaddal	11 th Aug., 2017

ANNEXURE XII:**DETAILS OF ACHIEVEMENTS DEPARTMENT WISE**

Sl. No.	Department	Achievement
1	Applied Sciences	'Best Poster Award' in 20 th Punjab Science Congress, 7 th -9 th Feb., 2017.
		Vidya Devi: Project entitled "EXFOR Compilation of Nuclear Data " sanctioned by DAE (Govt of India)/16,74,900/-
		Vidya Devi: Travel grant by IAEA, Vienna to deliver talk at 8 th AASPP workshop held in National University Mongolia, 9-13 th Oct, 2017
		Vidya Devi: Working as Indian Co-ordinator for the EXFOR compilation activities in India from April 2017
2	ME	Two Best Paper Awards , 20 th Punjab Science Congress on Innovative Research in Science and Technology for Sustainable Development, IET Bhaddal Technical Campus, 7-9 February, 2017.
		2 Teams got shortlisted in PTU Entrepreneurship Development Program Competition (16/10/2017)
		Mr. Rakesh Kumar Jha, ME/15/15258 bagged ISTE Best Student Award 2017 .
		Department got sponsorship from IKG PTU to organize National Seminar and Conference .
		Two Students got selected for internship program at IIT Ropar.
3	COA	First position in youth fest Mehendi competition,
		First position in youth fest On the spot painting competition
		Rangoli competition, second position in youth fest
4	HMCT	Successfully placed through Skype and telephonic interview all our 39 students from 4 th semester and 11 students from 6 th semester across the India in big 5 Star chain hotel Like Taj Goa, Taj Gurgaon, Hilton Gurgaon, Hayatt Pune, Sarovar Goa, Holiday Inn Panchkula, Radisson Blue Amritsar, Marina Shival and Noormahal Karnal, Haryana. It is a great achievement till date in IET Bhaddal HM department.
		Successfully placed 11 students in holiday inn hotel from 4 th & 6 th semester.
		Successfully placed 16 students for industrial Training from 4 th & 6 th semester in Park Plaza Chandigarh & Radisson Blu Amritsar

ANNEXURE XIII:**Games and Sports Activities**

Name of Event	Student Name	Name of the Game	Position
IKG PTU Annual Athletic Meet	Danish Ahmad	400 m	3 rd
		800 m	3 nd
		4* 100 m Relay	2 nd
IKG PTU Annual Athletic Meet	VarunMandial	200 m	3 rd
		4* 100 m Relay	2 nd
IKG PTU Annual Athletic Meet	Sanjay Dhiman	High Jump	2 nd
IKG PTU Annual Athletic Meet	Sumeet Kumar	4* 100m Relay	2 nd
IKG PTU Annual Athletic Meet	Shivam Sharma	4* 100 m Relay	2 nd
IKG PTU Annual Athletic Meet	Diksha	Long Jump	2 nd
		400 m	2 nd

ANNEXURE XIV:**DETAILS OF STUDENTS BRINGING LAURELS IN CULTURAL EVENTS**

Event Name	Department	Position
Rangoli/ Mehak 5 th sem / youth fest in CG, Mohali	COA	2 nd
On the spot painting / Aradhana 5 th sem / youth fest in CG, Mohali	COA	1 st
Mehandi / SandeepKaur 5 th sem / youth fest in CG, Mohali	COA	1 st
Zonal council meet, 2017 on 13 th 14 th & 15 th April 2017	COA	Meeting
Zonal NASA Convention Sept. -2017, ITM University, Gwalior, MP	COA	Participation
App for apple at IIT ROPAR	ECE	3 rd
Modeling Tech Fest	B.Sc. Agriculture	2 nd
Discus Throw	B.Sc. Agriculture	1 st
Jablin Throw	B.Sc. Agriculture	2 nd
Folk Singing	EE	3 rd
One Act Play	IET Team	3 rd

ANNEXURE XV:**DETAILS OF ACTIVITIES DONE BY NSS UNIT**

Sr. No.	Type of activity	Date	Description
1.	Blood Donation Camp, International women's day	08 th March, 2017	Blood donation camp was organized on by IET Bhaddal in collaboration with Civil Hospital Ropar. 96 donors donated blood.
2.	International Yoga Day	21 st June, 2017	It was organized on the Barsi of our Founder Chairman Er. Gurcharan Singh Ji. Mr. AnuragPandey, IET BHADDAL GYM Instructor instructed students and staff of IET and yoga was done physically.
3.	Swatch Bharat Abhiyan	11 th Aug., 2017	NSS volunteers went for cleanliness drive at Railway station Miyanpur and also within campus. Swachh Bharat was recognized at National level.
4.	A Swacchtha Pakhwada	01 st -15 th Sept., 2017	Under the banner Swachh Bharat Abhiyan NSS volunteers went for cleanliness drive at Railway station Miyanpur and also within campus. Swachh bharat was recognized at National level.
5.	A Drug Awareness Camp	25 th Aug., 2017	A Drug Awareness Camp was organised inside and outside the campus by NSS volunteers.
6.	Blood Donation Camp	09 th Oct., 2017	Blood donation camp was organized by IET Bhaddal in collaboration with Red Cross and Blood donation Center, Chandigarh . 89 donors donated blood.

ANNEXURE XVI:**DETAILS OF IIT BOMBAY REMOTE CENTRE ACTIVITIES**

S.No	Name of workshop	No. of participants	Date
1.	Foundation Program in ICT for Education-FDP101x Workshop	44	14 th Sept. to 12 th Oct., 2017
2.	Foundation Program in ICT for Education-FDP201x Workshop	8	14 th Sept. –12 th Oct., 2017
3.	College to Corporate Program- Soft Skills	137	7 th Sept., -12 th Nov., 2017
4.	College to Corporate Program - Workplace Communication	97	7 th Sept. –12 th Nov., 2017

IET BHADDAL TECHNICAL CAMPUS

VISION

IET Bhaddal Technical Campus (Ropar) has been established with a vision to spread quality education and Hi-tech professional education in Engineering, architecture and Management in the state especially in the less privileged area in order to cause socio-economic development therein.

MISSION

- To establish the state-of-art, technical and professional educational institutes and their feeding institutions in the Kandi area.
- To plan and implement rural development program in the area surrounding the institute.
- To arouse awareness about education, health and socio-economic development among the rural people of the area around the institute and help them improving their lot.

CORE VALUES

We are nurturing students on value-based Technical education with particular attention to

- Quality Education
- Work Culture
- Human Values
- Personality development
- Team work and
- Discipline



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