

College News Letter

GNDEC TIMES

Volume 5 Issue 2



Editors' Message

It is a matter of pride as well as pleasure to present before our readers next issue of College Newsletter. We feel honoured for the faith reposed in us for performing the role of editors of college Newsletter. We have put whole-hearted endeavours to give a complete and kaleidoscopic view of laudable achievements of different departments of our college. Through further issues of GNDEC TIMES, we do hope that we will come up to the expectations of our readers. Your constructive suggestions are always solicited. We welcome your valuable comments which may be mailed at colmag@gndec.ac.in.

Editor

Director's Message

It gives me immense satisfaction that next issue of GNDEC Times is ready for the readers. A college Newsletter mirrors the success story of an institution and act as a great medium to reach out to the outer world. It reflects upon the persistent and committed efforts made by faculty, staff and students for taking the institution one step ahead. Continuing the same tradition, this issue of GNDEC TIMES, reflects upon commendable contribution made by all members of GNDEC family in their fields of expertise as well as for the overall growth of the college. I congratulate everyone for their bit of service for the institution and do expect the same in times to come. I also congratulate the editorial team for bringing out present issue of newsletter. Wish you good luck!

Director

College News

College was awarded "**Outstanding Engineering Institute North Award**" on 23.6.2016 by **ABP News**.

Hansa Research Survey 2016 awarded **first position** to the college in North India among the category of "Top Engineering College".

& **eighty first Position** in the category of Top National Engineering College among NITs, IITs, Central Universities.

CSR-GHRDC survey awarded **second position** to the college in the category of "Top Engineering Colleges of Eminence among North India" & **second position** in the category of "Top Engineering Colleges ranked by State (Punjab)" ----- Source : Competition Success Review July 2016 Edition

OUTLOOK awarded **first position** to the college in **Northern India** as a College and **35th position** among **Top 100 Engineering Colleges at National Level among IITs, NITs and Universities**.

Outstanding technical institution awarded by **NITTTR, Chandigarh** on September 07, 2016 in North India.

List of events undertaken by the institute under TEQIP-II in the period Jan- June 2016

| Level | Department | Event | Date |
|--------------|---|---|-------------------------------------|
| National | Mechanical Engineering | FDP on "Research Methods for Engineers" | 31 May to 04 June,2016 |
| National | Computer Science and Engineering | Two Week FDP on "Computing tools to facilitate multidisciplinary research" | 16 to 27 May,2016 |
| National | Electronics and Communication Engineering | Two Week FDP on "Technology and Management for Electronic Product Design" | 2-13 May,2016 |
| National | Computer Science and Engineering | Workshop on "Emerging Technologies in Data Analytics" under TEQIP-II | 9 April,2016 |
| National | Mechanical Engineering | Meeting of III Cell "Improve Industry & Institutes connection and participation of Local industries in practical training of student/faculty" | 3-Feb-2016 |
| National | Civil Engineering | Workshop on "Producing Elegant Technical Research Reports Efficiently" | 19-20 January,2016 |
| National | Production Engineering | FDP on "Waste Management and Optimization Techniques" | 27 December,2015 to 05 January,2016 |

Department of Civil Engineering

Faculty

Dr. Harvinder Singh rejoined the department after completing two year research project.

Dr. J N Jha has been selected as Principal for Govt. Engineering College, Bihar.

Faculty Publications

| Journal | | | | |
|--------------------|--|--|-------------|---|
| S No | Title | Author(s) | Year | Category |
| 1 | Strength and performance of steel fibre-reinforced concrete stiffened plates | Harvinder Singh | 2016 | Magazine of Concrete Research pp 250-259 |
| 2 | Characterization & prediction of storm water runoff quality in subtropical rural catchments | Puneet Pal Singh Cheema, A.S. Reddy, Sukhpreet Kaur Bhatia | 2016 | Journal of water resources |
| Conferences | | | | |
| S No | Title | Author(s) | Year | Category |
| 1 | 3d Printing In Construction Technology- An Overview | Amandeep Gill, S Singla, Yuvraj Singh | 2016 | NCAST-2016 |
| 2 | Fe Analysis Of RC Slab With Or Without Opening Strengthened With FRP Wraps | Tanu, Yuvraj Singh, Inderpreet Kaur | 2016 | ADVANCEMENTS IN ENGG. & TECHNOLOGY (ICAET-2016) |
| 3 | Finite Element Modelling Of RC Beam Strengthened With Wire Mesh Epoxy Composites | Yuvraj Singh, Amritpal, Inderpreet Kaur | 2016 | NCAST-2016 |
| 4 | Improvement in unconfined compressive strength of clayey soil with addition of cement and stone dust | Gurdeepak Singh, B S Walia | 2016 | NCAST-2016 |

Students

20 students of Civil Engineering students have qualified Graduate Aptitude Test in Engineering (GATE). One student qualified the CAT examination.

Department of Computer Science and Engineering

Events organised

| <i>Event type</i> | <i>Event name</i> | <i>Date of the event</i> | <i>Resource person name</i> |
|--------------------|---|--------------------------|-----------------------------|
| <i>Expert Talk</i> | <i>Technical Session by TCS</i> | <i>14/01/2016</i> | <i>Mr. Narinder Chandel</i> |
| <i>Expert Talk</i> | <i>Motivational Talk by Indian Army</i> | <i>16/02/2016</i> | <i>Col. U.S. Mitharwal</i> |
| <i>Expert Talk</i> | <i>Interpersonal Skills and Personality Development</i> | <i>08/03/2016</i> | <i>Ms. Jaspreet Kaur</i> |
| <i>Expert Talk</i> | <i>TCS Commune Road Show</i> | <i>02/06/2016</i> | <i>Ms. Anubha Swamy</i> |
| <i>Expert Talk</i> | <i>Motivational Talk by NCC Official</i> | <i>13/06/2016</i> | <i>Col. Rajeev Bagga</i> |

Expert Talks Delivered

- *Dr. Parminder Singh delivered an expert talk on “Natural Language Processing – Speech Synthesis” during TEQIP-II sponsored Faculty Development Programme on 2nd June, 2016 at Dr. B.R. Ambedkar NIT Jalandhar*
- *Dr. Parminder Singh delivered a guest lecture on “Natural Language Processing” on 1st February, 2016 at Global Institute, Amritsar*
- *Prof. Sukhjit Singh Sehra delivered an expert talk on “LaTeX for Humans” during Two Week FDP on Computing Tools to Facilitate Multidisciplinary Research on 17th May, 2016 at GNDEC, Ludhiana*
- *Prof. Sukhjit Singh Sehra delivered an expert talk on “Big Data” organized by Department of Computer Science & Engineering on 4th April, 2016 at Rayat-Bahra Institute of Engineering & Nano Technology*
- *Prof. Sukhjit Singh Sehra delivered an expert talk on “Formatting Research Reports Using LaTeX” during Workshop on Creating Formatted Technical Documents Using LaTeX on 13th March, 2016 at Chitkara University, Rajpura, Punjab*
- *Prof. Sukhjit Singh Sehra delivered an expert talk on “Managing Bibliographic Databases” during Workshop on Creating Formatted Technical Documents Using LaTeX on 12th March, 2016 at Chitkara University, Rajpura, Punjab*
- *Prof. Sukhjit Singh Sehra delivered an expert talk on “LaTeX for Beginners” during workshop on Producing Elegant Technical Research Reports Efficiently on 20th January, 2016 at GNDEC, Ludhiana*
- *Prof. Sukhjit Singh Sehra delivered an expert talk on “References and Bibliography” during workshop on Producing Elegant Technical Research Reports Efficiently on 19th January, 2016 at GNDEC, Ludhiana*

Publications

Dr. Parminder Singh published paper on “Punjabi Speech Generation using Festival Framework” in Science, Technology, Engineering, Humanities and Management -2016 organized at DAVIET, Jalandhar in May 2016

Dr. Parminder Singh published paper on “Removal of spectral discontinuities in concatenative synthesized speech waveform” in Science, Technology, Engineering, Humanities and Management (STEHM-2016) organized at DAVIET, Jalandhar in May 2016

Prof. Sumeet Kaur Sehra published a paper on “Impact Analysis of Features on Classification for Sentiment Analysis of Tweets” in International Journal of Engineering Research in Computer Science and Engineering in June 2016

Prof. Sumeet Kaur Sehra published a paper on “Analysis of Machine Learning Approaches for Opinion Mining of Movie Reviews” in International Journal of Engineering Research in Computer Science and Engineering in June 2016

Prof. Sumeet Kaur Sehra published a paper on “Review of Open Street Map Data Quality and its Assessment Tools” in International Journal of Engineering Research in Computer Science and Engineering in June 2016

Prof. Sumeet Kaur Sehra published a paper on “Applications of Multi-criteria Decision Making in Software Engineering” in International Journal of Advanced Computer Science and Applications in May 2016

Prof. Sukhjit Singh Sehra published a paper on “Impact Analysis of Features on Classification for Sentiment Analysis of Tweets” in International Journal of Engineering Research in Computer Science and Engineering in June 2016

Prof. Sukhjit Singh Sehra published a paper on “Analysis of Machine Learning Approaches for Opinion Mining of Movie Reviews” in International Journal of Engineering Research in Computer Science and Engineering in June 2016

Prof. Sukhjit Singh Sehra published a paper on “Review of Open Street Map Data Quality and its Assessment Tools” in International Journal of Engineering Research in Computer Science and Engineering in June 2016

Prof. Sukhjit Singh Sehra published a paper on “Design and Development of Framework for Identifying Errors in Crowdsourced Map Data” in International Journal of Computer Applications in June 2016.

Prof. Sukhjit Singh Sehra published a paper on “Review of Contributor’s Categories and their Motivations for Open Street Map” in International Journal of Engineering Research in Computer Science and Engineering in June 2016

Prof. Sukhjit Singh Sehra published a paper on “Analysing OpenStreetMap data for topological errors” in International Journal on Spatial, Temporal and Multimedia Information Systems in May 2016

Prof. Sukhjit Singh Sehra published paper on “Impact and Behoofs of Big Data in Health Care” in Advances in Computer Science organized at GNA University in April 2016

Prof. Sukhjit Singh Sehra published paper on “Evaluation of Volunteered Geographic Information Data Quality” in Advances in Computer Science organized at GNA University in April 2016

Prof. Kamaldeep Kaur published paper on “A Survey of Anaphora Resolution approaches for different Indian languages” in International conference on Computer Science, Electronics and Communication Engg at ITAR/IFERP (conducted in Ludhiana) in June 2016

Prof. Kamaldeep Kaur published paper on “A Review of Document Classification Techniques” in International conference on Computer Science, Electronics and Communication Engg at ITAR/IFERP (conducted in Ludhiana) in June 2016

Prof. Hardeep Singh Kang published paper on “Tissue Density based CBIR system for mammographic Images” in International conference on Sciences, Engineering & Technical Innovations at CT group of Institutions, Jalandhar in June 2016

Prof. Goldendeep Kaur published a paper on “A Detailed Survey and Classification of Commonly Recurring Cyber Attacks” in International Journal of Computer Applications in May 2016

Prof. Goldendeep Kaur published paper on “An effectual approach to mitigate ARP poisoning based man-in-the-middle attacks” in International conference on Shannon-100 at Lovely Professional University in April 2016

Prof. Kapil Sharma published a paper on “Review of Contributor’s Categories and their Motivations for Open Street Map” in International Journal of Engineering Research in Computer Science and Engineering in June 2016.

Students

Jatin Maggu and Gurpinder Singh, Students of CSE were placed in Hewlett Packward Enterprise for a package of 4.85 LPA and 4.60 LPA respectively

Department of Electrical Engineering

Activities and achievements by faculty

1. *Dr. Navneet Singh Bhangu successfully defended his Ph.D. Thesis and was awarded doctoarte degree from NIT, Kurukshetra, March 2016*
2. *Dr. Navneet Singh Bhangu presented a paper in International Conference held at Sydney, Australia in June 2016.*
3. *Er. Arvind Dhingra published a paper titled Reliability evaluation of Induction furnace in Elsevier Material science Journal, Oct,2016.*
4. *Dr. Y.S.Brar, Professor joined IKG Punjab Technical University, Kapurthala as Profesora in Electrical Engineering department.*
5. *The department faculty attended short term TEQIP-II sponsored FDP progarm organized by Production Engineering Department.*
6. *Er. Arvind Dhingra delivered an expert lecture on 5S during the TEQIP-II sponsored FDP held by Production Engineering Department*
7. *Er. Arvind Dhingra delivered an expert talk on Innovation and Creativity during two weeks TEQIP-II sponsored FDP by Electronics Engineering Department.*

Students corner

1. *Two students of the department presented papers at The Institution of Engineers (India) student convention held at Pune in October,2016*
2. *Students of the department brought laurels by winning technical events at the CU fest held in October, 2016.*

Other events

1. *S. Mohinder Singh, Draftsman, retired from the service after serving the institution for over 35 years.*

Department of Electronics and communication Engineering

Activities and achievements by faculty

The department conducted a short term course on **ADVANCES IN OFC TECHNOLOGY from April 25 - 29, 2016, in Association with NITTTR, Chandigarh.*

The prime intent behind this one week short term course was to provide an opportunity to the participants to learn and appreciate the technology options and developments taken place during past decades in the field of OFC targeting the recent trends in telecommunication.

Some glimpses of the course:





Around 50 faculty members from different colleges in the region participated in this course. Experts from NITTTTR, NITs, BSN and other renowned academic institutions around the region besides faculty from GNDEC, Ludhiana delivered expert talks. A special visit to BSNL Exchange, Ludhiana was also arranged to make participants familiar with practical implementation of OFC technology in modern communication era.

The department also organised TEQIP-II sponsored faculty development programme on “Technology and Management for Electronic Product Design**” from May 2, 2016 to May 13, 2016. The course aimed to impart advanced knowledge and skills in the electronic product design and associated management issues.*

Some glimpses of the FDP:



The TEQIP sponsored Program was graced by presence of eminent personalities viz. Dr. A.K. Paul, Vice-Chancellor, DAV University, Dr. Amod Kumar, Head, Business planning and promotion group, CSIO, Chandigarh.

Around 50 faculty members from different colleges in the region participated in this course. Experts from IITs, CSIO Chandigarh, CDAC Mohali and other renowned academic institutions around the region besides faculty from GNDEC, Ludhiana delivered expert talks during the course of this program.

Publications

| <i>S No.</i> | <i>Name of Author(s)</i> | <i>Title of Paper</i> | <i>Name of the Journal</i> | <i>Volume No. / Issue No./ Page number s/ ISSN</i> | <i>Month , Year of Publication</i> | <i>National/ International</i> | <i>Refereed/ Non-Refereed</i> | <i>DOI</i> |
|--------------|---|--|----------------------------------|--|------------------------------------|--------------------------------|-------------------------------|---|
| 1 | Jugminder Kaur, Sandeep S. Gill, and Balwinder Singh Dhaliwal | Secure Trust Based Key Management Routing Framework for Wireless Sensor Networks | Journal of Engineering (Hindawi) | Vol. 2016, pp. 1 – 9. | 2016 | International | Refereed | http://dx.doi.org/10.1155/2016/2089714 |

Conference Publications by ECE Faculty

| <i>S.No.</i> | <i>Name of Author(s)</i> | <i>Title of Paper</i> | <i>Name of Conference</i> | <i>Place of Conference</i> | <i>Date of Conference</i> | <i>National / International</i> |
|--------------|--|--|---|--|---------------------------|---------------------------------|
| 1 | Sudarshana Jilowa, Sandeep Singh Gill, Gurjot Kaur Walia | Design of 3C-SiC Symmetric and Asymmetric Double Gate MOSFET | 2nd IEEE International Conference on VLSI Systems, Architecture, Technology and Applications (VLSI SATA 2016) | Amrita School of Engineering, Amrita Vishwa Vidyapeetham Bengaluru Campus, India | January 10-12, 2016 | International |
| 2 | Jaidev, Sandeep Singh Gill, | Performance Analysis of | International Conference on | Carmel College, | March 3-5, 2016 | International |

| | | | | | | |
|---|---|---|--|---|-------------------|----------------------|
| | Navneet Kaur | <i>20 nm Si and Ge channel based Pentagonal and Trapezoidal NWT</i> | <i>Mathematics Physics & Allied Sciences</i> | <i>Margao, Goa, India</i> | | |
| 3 | J. Kaur, Balwinder Singh Dhaliwal and Sandeep Singh Gill | <i>Handwritten Gurmukhi Character Recognition using PSONN,</i> | <i>International Conference on Advancements in Engineering & Technology (ICAET-2016)</i> | <i>Sangrur, Punjab, India</i> | 2016 | <i>International</i> |
| 4 | Aysha Sharma and Balwinder Singh Dhaliwal | <i>Digital Filter Design using Soft Computing Approaches</i> | <i>International Conference on Innovative Trends in Electronics Engineering</i> | <i>Patiala, India</i> | January 29, 2016 | <i>International</i> |
| 5 | Nitika Sharma, Balwinder Singh Dhaliwal | <i>Design of A Fractal Slot Antenna for Rectenna System and Comparison of Simulated Parameters for Different Dimensions</i> | <i>National Conference on Recent Innovations in Science & Engineering,</i> | <i>Hamirpur, India</i> | March 04-05, 2016 | <i>National</i> |
| 6 | Kanwarpreet Kaur, Prabhjot Kaur, Pooja Arora, Gurjot Kaur, Jaspreet kaur | <i>A Review on Classification and Detection Techniques of Brain Tumor</i> | <i>Recent Trends in Environment, Science and Technology(RTSET-2016)</i> | <i>Rayat Bahra, University, Mohali, India</i> | 11-Mar-16 | <i>National</i> |

Expert Lectures Delivered by ECE Faculty

Dr. Sandeep Singh Gill delivered an expert lecture in International Conference on Innovative Trends in Electronics Engineering (ICITEE 2016) held on January 29th, 2016 Punjabi University, Patiala.

Educational tours and Industrial visits

A tour to Doordarshan Kendra, Kasauli (1st April, 2016) and All India Radio Station, Dharamshala (12th April, 2016) was organised for 2nd year and Final year B.Tech students respectively.

Department of Information Technology

Events / Expert Talks

| <i>Event type</i> | <i>Event name</i> | <i>Date of the event</i> | <i>Event for Faculty/ Students</i> | <i>Resource person name</i> | <i>Organization Complete Address</i> |
|--------------------|---|--------------------------|------------------------------------|----------------------------------|--|
| <i>Expert Talk</i> | <i>Recent Advanced Techniques in Denture Making</i> | <i>17/01/2016</i> | <i>Both Faculty and Students</i> | <i>Dr. Mrs J. Bindra</i> | <i>Tower A 2nd Floor No. 121,122 &128Sector 62 Noida</i> |
| <i>Expert Talk</i> | <i>Workshop on Economic Growth Summit for Young Enter</i> | <i>24/01/2016</i> | <i>Both Faculty and Students</i> | <i>Guru Ram Das Centre For E</i> | <i>Model Town Extn Ludhiana</i> |
| <i>Expert Talk</i> | <i>Expert Talk on Entrepreneurship and Online Money</i> | <i>27/01/2016</i> | <i>Both Faculty and Students</i> | <i>Mr. Harpreet Khattar</i> | <i>Harsht Technologies 6142/17, New Hargobind Nagar,</i> |
| <i>Expert Talk</i> | <i>Role of Bloom's Taxonomy in formulation of CO's.</i> | <i>15/03/2016</i> | <i>Faculty</i> | <i>Dr. Akshay Girdhar</i> | <i>Guru Nanak Dev Engineering College , Ldh</i> |

Expert Talks Delivered by Faculty

Dr. Akshay Girdhar delivered expert talk on "Plagiarism : its Role in Research" on 02/01/16 in two week Faculty Development Programme on "'Waste Management and Optimization Techniques'" organized by department of Production Engineering at Guru Nanak Dev Engineering College, Ludhiana

Dr. Akshay Girdhar delivered expert talk in GNDEC on "Handling Plagiarism issues in Research" held in May 2016 at Guru Nanak Dev Engineering College, Ludhiana

Dr. Akshay Girdhar delivered expert talk on "Constituents of Outcome Based Education Model" held in Feb. 2016 at Sant Longowal Institute of Engineering & Technology

Dr. Akshay Girdhar delivered expert talk on "Constituents of Outcome Based Education Model" held in Feb. 2016 at Sant Longowal Institute of Engineering & Technology

Dr. Akshay Girdhar delivered expert talk on "Moving Towards Outcome-Based Curriculum" held in Feb. 2016 at Sant Longowal Institute of Engineering & Technology

Dr. Akshay Girdhar delivered expert talk on "Software Based Direct and Indirect Assessment Tools in for Measuring Attainment of Course and Programme Outcomes" held in Feb. 2016 at Sant Longowal Institute of Engineering & Technology

Dr. Akshay Girdhar delivered expert talk on "An Overview of Outcome-Based Education" held in Feb. 2016 at Beant College of Engineering and Technology.

Dr. Akshay Girdhar delivered expert talk on "Outcome Based Education Awareness (covering Vision, Mission, Programme Education Objectives and Programme Outcomes)" held in Feb. 2016 at D.A.V. Institute of Engineering & Technology, Jalandhar

Dr K.S. Mann delivered expert talk on "Need of Ethical and Moral values for IT Professionals" at Guru Nanak Dev Engineering College, Ludhiana on 19 April 2016.

Dr K.S. Mann chaired the session for international conference ICSETI-2016 held at CT group of college Jalandhar on June 2016.

Dr K.S. Mann attended meeting with IKG PTU Officials to discuss policies and guidelines for training and placement activities on April 2016.

Dr K.S. Mann visited Mumbai to attend One day workshop on Latest trends in IT Industries organized by Accenture on 1st July 2016.

Dr K.S. Mann Visited Humber College, Canada to attend meeting with Human Resource department on 13 July 2016.

Dr. Manpreet Singh Delivered an expert Lecture on "Computational Biology and Related Tools" during (UNDER TEQIP-II) sponsored FDP on Computing Tools to Facilitate Multidisciplinary Research held at Guru Nanak Dev Engineering college on May 19, 2016.

Dr. Ajay Shiv Sharma was the coordinator for Short Term Course (ICT Based) on "OPEN SOURCE TECHNOLOGIES" from 4 January, 2016 to 8 January, 2016.

Dr Kiran jyoti delivered an expert talk on "social computing tools and their applications" held at GNDEC, Ludhiana.

Dr. Amit Kamra delivered expert talk on bio-metric reorganization system in GNDEC, Ludhiana.

Prof. Inderjeet Singh Delivered an expert talk on "Role of Social Media in Teaching and Learning" held at "2nd International Digital Literacy forum" organized by Bhutta College of Engineering and Technologies on 14 February, 2016.

Prof. Sidharth Jain attended expert talk on "Recent Advanced Techniques in Denture Making and Restoration" by Dr. J. Bindra held on 17-12-15 in Noida

Prof. Sidharth Jain attended expert talk on "Entrepreneurship and Online Money making" held in 27-1-16 at GNDEC, by Mr. Harpreet Khattar from Harsh Technology

Publications

Dr. Akshay Girdhar published a paper titled "Region of Interest based Contrast Enhancement Techniques for CT images" in Second IEEE International Conference on Computational Intelligence & Communication Technology held from 12-02-2016 to 13-02-2016 at Ghaziabad, India.

Dr. Akshay Girdhar published paper titled “Virtualization Approach to Cluster Based Winograd’s Variant of Strassen’s Method using RMI” Second IEEE International Conference on Computational Intelligence & Communication Technology held from 12-02-2016 to 13-02-2016 at Ghaziabad, India.

Dr. Akshay Girdhar published paper titled “RMI Approach to Cluster Based Cache Oblivious Peano Curves” in Second IEEE International Conference on Computational Intelligence & Communication Technology held from 12-02-2016 to 13-02-2016 at Ghaziabad, India

Dr K.S. Mann published paper titled “An Innovative Advent for Content Based Ultrasound image retrieval using ANN” at International Conference organised at CT group in June 2016.

Dr. Manpreet Singh published paper titled “Comparative analysis of Rank Aggregation techniques for meta search using genetic algorithm” Education and Information Technologies, Print ISSN: 1360-2357, Online ISSN: 1573-7608, Feb 2016.

Dr. Manpreet Singh published paper titled on “Storm Prediction using Decision Trees” National Conference on Advances in Science and Technology held at RIMT Institute of Engineering and Technology, Mandi Gobindgarh on March 04, 2016.

Dr. Kiran Jyoti published paper titled on “Traffic collision avoidance in VANT by using computational Intelligence” in March 2016.

Dr. Kiran Jyoti published paper titled “a novel approach of load balancing in cloud computing using computational intelligence” in March 2016.

Prof Kamaljit Kaur Dhillon published paper titled on “Developing an intelligent Recommender System for Course selection” in Business and Economics Journal.

Dr. Amit Kamra published paper titled on “Novel segmentation of overlapped charter in hand Gurumukhi script” in May, 2016.

Dr. Amit Kamra published paper titled on “a novel approach for enhancement for images uses multi scale morphology” in international conference June, 2016.

Prof. Sachin Bagga published paper titled on “RMI Approach to Cluster Based Image Decomposition for Filtering Techniques” in International Conference on Computer, Communication and Computational Science with proceedings in Springer in AISC 2016.

Prof. Mohanjit Kaur published paper titled on “Lung module feature extraction and scope of classification for improved neural network algorithm” at international conference in BCETT Feb., 2016

Prof. Mohanjit Kaur published paper titled on scope of intelligence support vector machine heart disease classification” in international conference in BCETT Feb., 2016.

Prof. Rupinder Kaur published paper titled on “A medical image watermarking technique” in international journal in Feb. 2016 Prof. Harbhag Singh published a paper titled on “Prediction of heart disease using associative classification” on 5th international IEEE conference on WECON Chitkara University, 2016.

Prof. Jagdeep Singh published a paper titled on "Prediction of heart disease using associative classification" on 5th international IEEE conference on WECON Chitkara University, 2016.

Students

14 students placed in TCS, 11 students in Infosys, 1 student in Info gain, 1 student in Cybage, 19 students in Accenture, 1 student in Sapien, 2 students in eclerk service and 2 students placed in Tec cube.

Shubham, Student of IT got selected by Research institute at Universty for semesterial training in Jan 2016.

Gitanjali Pathania final year student got stipend of Rs 50000 per month from Artillex Software Private Limited company in Jan2016.

Harmandeep Kaur final year student got stipend of Rs 50000 per month from Artillex Software Private Limited company in Jan2016.

Three students underwent training at Mysore with stipend at Infosys.

Department of Applied Sciences

Publication:

Prof.Randhir Singh

| <i>S No.</i> | <i>Name of Author</i> | <i>Title of Paper</i> | <i>Name of the Journal</i> | <i>Month, Year of Publication</i> | <i>National/ International</i> | <i>Refereed/ Non-Refereed</i> |
|--------------|-----------------------|---|---------------------------------------|-----------------------------------|--------------------------------|-------------------------------|
| 1 | Randhir Singh | <i>solvation of coumarin6 studied by vibrational spectroscopy and density functional theory</i> | <i>Journal of Molecular Structure</i> | <i>Feb2016</i> | <i>International</i> | <i>Refereed</i> |
| 2 | | | | | | |

Dr.Paramjit Singh Book Details

| <i>Name of Faculty</i> | <i>Book Type</i> | <i>ISSBN/ACCN Number</i> | <i>Publisher Name</i> | <i>Publication Date</i> | <i>Title</i> |
|---------------------------|---|--|--|-------------------------|--|
| <i>Dr. Paramjit Singh</i> | <i>Chapter in Research level reference book</i> | <i>ISSN 2364-1878, ISSN 2364-1886 (electronic) ISBN 978-3-319-46456-5, ISBN 978-3-319-46458-9 (eBook) DOI 10.1007/978-3-319-46458-9 Library of Congress Control Number: 2016952501</i> | <i>Springer International Publishing (Switzerland)</i> | <i>03 Nov, 2016</i> | <i>Book Title- Conducting Polymer Hybrids (Part of Springer Series on Polymer and Composite Materials), Chapter Title, “Composites Based on Conducting Polymers and Carbon Nanotubes for Supercapacitors” (pp 305-336)</i> |

Events Organised by the Dept.

1)Dr. H.K.Grewal Organised FDP on “Universal Human Values Development in Students Through Curriculum Management” in association with NITTTR Chd. From 18-20 April, 2016 at GNDEC.

2) Expert Talk organised in Applied Science Department

| <i>S. No.</i> | <i>Course Name</i> | <i>Dates</i> | <i>Co-ordinator</i> |
|----------------------|---|---|----------------------------------|
| <i>1</i> | <i>Expert Talk on “Cosmological Ideas in Science and Religion”</i> | <i>7th Oct 2016</i> | <i>Dr. Paramjit Singh</i> |
| <i>2</i> | <i>Expert Talk on “Role of Human Values in Youth”</i> | <i>4th April 2016</i> | <i>Pf. Ranjit Singh</i> |

Department of Business Administration

Faculty Publications

Singh Sukhdev *et.al.*, " Measuring intellectual capital Performance of Indian banks: A public and private sector comparison" *Managerial Finance* (ISSN 0307-4358) Emerald Group empirical publishing company Limited (U.K.), Vol. 42, Issue 7, PP.635-655

Amanjot Kaur Gill, " Buying Behaviour towards Smartphone's: A Study in Ludhiana City", *International Journal of Economics and Management Systems*, pp. 244-251, Volume 1, 2016,ISSN: 2367-8925.

Amanjot Kaur Gill,"Talent Management: A Study of Selected Textile Companies in Ludhiana", *International Conference on Mathematics, Physics & Allied Sciences*", Carmel College of Arts Science & Commerce for Women, Goa, March 03-05, 2016.

Expanded version published in :

Amanjot Kaur Gill,"Talent Management: A Study of Selected Textile Companies in Ludhiana", *Mathematical Sciences, International Research Journal*, Vol. 5, Issue 1, pp. 40-43, 2016, ISSN 2278-8697.

Students Corner

Three days Entrepreneurship Awareness Camp organized in collaboration with S.T.E.P., G.N.D.E.C between 4'April to 6'April ,2016 for the students of M.B.A.

- Plantation drive organized with students of M.B.A 2nd year along the Sidhwan Canal on 12'April, 2016. Some glimpses :





- *Industrial visits to Avon cycles and Avon Ispat were organized on 18 &19 february, 2016.*

A glimpse:



- *An expert talk by representatives of MNC Arizona Phoenix was held for students on 5 feb, 2016 on the topic “Retailing”.*
- *LMA*

Masters of Computer Applications

Events organized by the Department

1. Seminar organized on topic “**Advance Topics in Java Programming**” on 22/04/2016.

Resource Person included Mr. Nitin Patel (Programmer), HCL Technologies Pvt. Ltd (Software Development Company)

Some glimpses of the seminar:



2. Seminar on topic “**Recent Trends in Cyber Security**” on 22/04/2016 . **Resource Person** in this seminar was Mr. Harpreet Khatter, Secugenius Security Software, Ludhiana

Some glimpses of the seminar:



Sports

ACHIEVEMENT IN PTU INTER-COLLEGE TOURNAMENTS

| <i>Boys</i> | | <i>Girls</i> | |
|--|---------------|-------------------|--------------|
| <i>Cricket</i> | <i>First</i> | <i>Volleyball</i> | <i>First</i> |
| <i>Athletics</i> | <i>Second</i> | <i>Athletics</i> | <i>First</i> |
| ACHIEVEMENT IN KHALSA SPORTS FESTIVAL(March.2016) | | | |
| <i>Chess</i> | <i>Third</i> | <i>Handball</i> | <i>Third</i> |
| <i>Basketball</i> | <i>Second</i> | | |
| <i>Handball</i> | <i>Second</i> | | |
| <i>Table tennis</i> | <i>Second</i> | | |

- **EXTRA_MURAL ACTIVITY: TOURNAMENT ORGANISED:**

1. PTU Inter-college Cricket Zonal Tournament in Feb.2016.

- **INTRA_MURAL ACTIVITY: TOURNAMENT ORGANISED**

1. Inter-year League Matches in Volleyball, Football, Cricket, Basketball March-April 2016.

2. GNE Open Chess Tournament in April 2016
