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**Editor’s Message**

At the outset, the editorial team wishes all Genconians a very Happy and prosperous Diwali. GNDEC has been the hub of activity for past few months. With the inputs from various departments and section incharges, we are trying to present a brief glimpse of the activities. The college and its students have been winning laurels at all levels. This edition too features some of the laurel winning feats. With festive season round the corner, here’s wishing you a very happy festive season.

EDITOR

HAPPY DIWALI

**Director’s Message**

Wishing all members of GNDEC family a very happy and prosperous Diwali. Diwali is the festival to dispel darkness and gloom. I am happy to note that with all members putting in their best we have waded through troubled times of recession. The college was as usual the most preferred destination during the admission process. The campus placements have been good. I hope that with the cooperation of all, we shall achieve greater heights. Once again best wishes for festivals.

DIRECTOR

COLLEGE NEWS

There were a number of activities that were conducted at central level and at department level under the ongoing TEQIP-II.

* The six monthly audit of TEQIP-II was conducted by the auditor from NPIU.
* Another TEQIP-II audit was conducted by team from Academic staff college, Hyderabad.
* Our Director was a part of ISTE delegation which visited USA for technical exchange program.
* GNDEC was the most sought after college during the admission season with all the seats getting filled up.
* Our college team shared the overall trophy at PTU zonal fest (South Zone) held at our college on 18-19 October,2013.
* Our college hoisted inter-college tech fest ATHARVA 2013. The theme of the fest was Women empowerment. Over 30 college teams participated in various technical events including quiz, declamation etc.
* Four of our family members were conferred with Ph.D. degree:
* Dr. Jatinder Kapoor, Mechanical Department
* Dr.K.S.Gill, Civil Engineering Department
* Dr.K.S.Mann, Dean T&P and IT Department
* Dr.Kiranjyoti, IT Department.

GNDEC Times and GNDEC family congratulate the faculty members!

NEWS FROM DEPARTMENTS

APPLIED SCIENCES DEPARTMENT

**INSPIRE INTERNSHIP CAMP**

* The INSPIRE INTERNSHIP CAMP 2013, under the aegis of the Dept. of Applied Sciences was organised at Guru Nanak Dev Engg. College, Ludhiana from 7-11 August, 2013. INSPIRE is an innovative programme being sponsored and managed by the Department of Science & Technology, Govt. of India, New Delhi,  for attracting  young  talent to Science. The basic objective of INSPIRE CAMP is to communicate to the youth of the country the excitements of creative pursuit of science, thus drawing the budding talent to the study of science at an early age and hence to build the required critical human resource pool for strengthening and expanding the Science & Technology system and Research & Developement base. An important feature of this camp is that no competitive examinations are held rather existing educational structure is to be used for identification of the talent.
* Dr. Ravi Kumar, Director, Beant Singh College of Engg. & Technology, Gurdaspur, was the Chief Guest on the inauguration day, 7th Aug. 2013. Dr. Gurinder Kaur Sangha from P.A.U. Ludhiana was the Guest of Honour and S. Gurcharan Singh Gill, Director, Nankana Sahib Education Trust, was the special guest on this occasion.
* 150 students drawn from various schools of the Ludhiana city as Sacred Heart Convent School,  BCM Arya Model Sr. Sr. School,  Guru Nanak Public School,  Nankana Sahib Public School, Gill, Govt. Sr. Sc. Sec. School for Girls, Gill, Govt. Model Sr. Sc. School, Miller Ganj participated in this five- day long camp from 7-11 Aug. 2013. Prominent Scientists and Scholars from all over the India interacted with the students to apprise them of the importance of basic science in building a healthy society before one manipulates the same for human benefits.

Dr. Rajinder Sidhu, Dean Basic Sciences & Humanities, Panjab Agricultural University, Ludhiana was the Chief Guest on the concluding day, 11th Aug. 2013. Dr. Paramjit Singh Tarsikka from P.A.U. Ludhiana was the Guest of Honour on this occasion.

Dr M.S.Saini, Director, in his brief speech highlighted the pioneering efforts of the college in ushering in a conducive academic milieu which provides level ground for all the stake holders to demonstrate their capacity and capabilities and create a niche for themselves in their chosen/defined area of activity.  He also referred to the excellent milestones achieved by the Faculty and the students at the national and global level.  Dr. R. P. Singh HOD App. Sciences welcomed the guests and Dr. Harpreet Kaur Grewal, Coordinator of the Camp proposed the vote of thanks.

CIVIL ENGINEERING DEPARTMENT

**Expert Lectures organized**

* Er. Shubkaran Singh, Technical Consultant, HIL TL india Pvt. Ltd Chandigarh on 7.10.2013.
* Er. Satish Tanwar, Regional Head Technical Services Ultratech Cement Ltd, SCO -916, NAC Manimajra, Chandigarh on 9.10.2013
* Er. Swatantra Kumar, Vice President, India Road Congress, AGM AIMIL Ltd, New Delhi on 22.10.2013
* Er. Krunesh Garg, SE, Punjab Pollution Control Board, Ludhiana in last week of October,2013.

**Industrial Tours**

* 2nd year students were taken on industrial tour to Ultratech RMC Plant & Southern bye pass bride construction
* 3rd year students were taken on industrial tour to Ranjit Sagar Dam, Pathankot.
* Final year students were taken for industrial tour to Bhakra dam and Thein Dam

**Other Activities**

* A FDP on Finite Element Methods to Solve Engineering Problems was held from 22.7.2013 to 26.7.2013. The following faculty members attended the same: Dr Harpal Singh, Dr. H S Rai, Dr.J.N.Jha, Prof K.S.Gill, Dr.B.S.Walia, Prof. Gurdeepak Singh , Prof.K,S Bedi, Prof. Harjinder Singh, Prof Harvinder Singh, Prof Puneet Pal Singh, Prof. Prashant Garg , Dr Jagbir Singh, Prof Harpreet Kaur Gaba and Prof Inderpreet Kaur
* The faculty members were the part of inter college technical event Vastuki 2013.

**Publications:**

* Gill, K.S., Choudhary, A.K., Jha, J.N. and Shukla ,S.K." Experimental and numerical studies of loaded strip footing resting on  reinforced fly ash slope" Geo-synthetic International, 2013, Vol. 20, No. 1, PP 13-25, (ISSN 1072-6349)
* Gill, K.S., Choudhary, A.K., Jha, J.N. and Shukla ,S.K. "Large model footing load test on reinforced coal ash slope” International Journal of Geotechnical Engineering,  2013, Vol.7, No.3, PP 257-265 (ISSN 1938-6362)
* Jha, J.N, Choudhary, A.K., Gill, K.S. and Shukla, S.K. " Bearing Capacity of a Strip Footing Resting on Reinforced Fly  Ash Slope: an Analytical Approach" Indian Geotechnical Journal, 2013, Vol.43, No.4, 354-366 (ISSN 0971-9555)
* Gill, K.S., Choudhary, A.K., Jha, J.N. and Shukla ,S.K. "Large model footing test on multi layer reinforced coal ash slope"  Geo- Congress:Stability and Performance of Slopes and Embankments, Geo-Congress 2013, ASCE, California, USA.3-6 March, 2013, pp 489-498 [ISBN (print): 978-0-7844-1212-1]
* Singh, H. and Jha, J.N. "Constitutive models for sustainable design of foundation systems" Innovations in Concrete Construction, Concrete Congress, UKIERI, 5-8 March, 2013,   Jalandhar, India, ISBN: 978-93-82880-06-6 [Conference 5], pp 2122-2133
* Garg, P., Singh, H. and Jha, J.N. "Optimisation of piled raft foundation" Innovations in Concrete Construction, Concrete Congress, UKIERI, 5-8 March, 2013,   Jalandhar, India, ISBN: 978-93-82880-06-6 [Conference 4], pp 1724-1735

ELECTRICAL ENGINEERING DEPARTMENT

* The Electrical Engineering department conducted a one week TEQIP-II sponsored short term training program cum workshop on Computational Tools for Engineers, CTE’13from July 29- August 3,2013. Over 70 delegates from various colleges attended the program. The inauguration was performed by Cdr. V.K.Dahake, Scientist-in –charge, CSIR-MERADO. The experts for the event were drawn from academia and industry. The valedictory session was chaired by Dr.J.S.Sohal, Director, LCET, Katani Kalan.
* Er.Arvind Dhingra presented a paper titled Comparison of different agro residue biomass for power generation in the International Conference on Research and Innovations in Mechanical Engineering held at GNDEC, Ludhiana from 23rd -25th October, 2013. The paper was adjudged the best paper in the session in which it was presented.
* Students of second year were taken on industrial visit to Science City, Kapurthala.
* Students of Final Year Electrical were taken to GHTP, Lehramohabbat.
* Students of Third year were taken to GGSSTP, Ropar.
* An expert lecture on Illumination engineering was organized. The expert on the occasion was Mr. Sandeep Sareen a leading lighting designer.
* Pf.Jaswinder Singh & Dr.Y.S.Brar attended a TEQIP-II sponsored leadership capacity building one week program at IIM, Lucknow NOIDA campus.

ECE DEPARTMENT

**Expert Talk:**

* Expert Lecture on “Zigbee and Wireless Sensor Networks” Delivered by Alok Gupta (Indore), Rahul Sharma (Chandigarh), Kernal Chauhan (Indore), Hemant Sharma (Delhi) RD engineers from Scientech Technology, Indore on 13-09-2013.
* Expert Lecture on “Mobile Communication” delivered by Kuljeet Sandhu, IOBri Telecom Pvt. Ltd. SCF 112, 2nd Floor, Phase 382, Mohali-160059 on 26-09-2013
* Expert Lecture on “Network Essentials” delivered by Satbir Singh, Jetking BetterLife,1st Floor, Kesar Complex, Adj.Flamez Mall, Gurdev Nagar, Ludhiana on 01-10-2013
* An expert talk was delivered by invited speaker, S. B.S. Dhillon, President of Punjab Electronics Manufacturing Association on “ENTREPRENEURSHIP” for B.Tech and M.tech students of ECE on 9th October, 2013 at 1pm.

**Workshop organized for students:-**

* 15 days “TEQIP sponsored finishing school” for final year students to improve their soft skills, aptitude and for personality development.

**Industrial tour organized for students:-**

* Industrial tour to “Siemens” (Panchkula) was organized for B.Tech, 3rd year students on 8th October, 2013 accompanied by Prof. Harminder Kaur, Prof. Gurjot Kaur and Prof. Kuldeepak Singh.

**National Conference/ Short Term Training Program:-**

* Organized TEQIP sponsored National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) on March 21-22, 2013.
* Organized Training Program on “faculty induction through ICT” in collaboration with NITTTR, Chandigarh from 4th to 8th feb, 2013.

**Conferences/ Short Term Courses & Workshops Attended by ECE Department Faculty:-**

* Prof. Narwant Singh Grewal ,Dr. Munish Rattan , Prof. Chahat Jain, Prof. Gurjot Kaur Walia,Prof. Navneet kaur, Prof. Harminder Kaur and Prof. Gurpurneet Kaur have attended Faculty Development Program under TEQIP-II on Recent Advancements in Manufacturing Technology from 10th June to 21st June 2013 organized by Department of Production Engineering at Guru Nanak Dev Engineering College, Ludhiana.
* TEQIP sponsored institutional academic workshop on 25.04.2013 one day.
* Prof. Nirmal Singh Grewal, Prof. Narwant Singh Grewal , Prof. B. S. Dhaliwal, Dr. Munish Rattan , have attended Faculty Development Program under TEQIP-II on Computational Tools for Engineers from 29 July to 03 August 2013 organized by Department of Electrical Engineering at Guru Nanak Dev Engineering College, Ludhiana.
* Prof. Narwant Singh and Dr. Munish Rattan attended “TEQIP sponsored FDP on Finite Element Methods to Solve Engineering Problem” from 22nd- 26th July 2013 held at GNDEC Ludhiana.
* Prof. B.S. Dhaliwal attended a conference cum workshop, on “Antenna Technology i.e. Indian Antenna Week 2013(IAW-2013)”, organized by IEEE from 3rd June, 2013 to 7th June, 2013 at Aurangabad.

COMPUTER SCIENCE & ENGINEERING

**Publications:**

International Journals:

* Sumeet Kaur Sehra, Reecha Sood , “Simulation Based Study and Investigating the throughput of WSN by Grid Based Path Planning”, International Journal of Research in Commerce, Economics & Management, ISSN: 2231-4245, Volume no. 3 , issue 3, June, 2013. pp: 108-110.
* Sumeet Kaur Sehra , Sukhjit Singh Sehra, Jasneet Kaur ,”Effect of Data Preprocessing on Software Effort Estimation”, International Journal of Computer Applications, May, 2013, 69(25):29-32.
* Manpreet Kaur Mand, Gunjan, Diana Nagpal, “A View on Data Mining”, International Journal of Advanced Research in Computer & Communication Engineering, 2(7), June 2013,
* Sukhjit Singh Sehra, Geetanjali, Dr. Jaiteg singh, “Policy Specification in Role based Access Control on Clouds”, International Journal of Computer Applications,75(1), August 2013, pp: 39-43.
* Sukhjit Singh Sehra, Dr. H.S. Rai, Dr. Jaiteg Singh, “Assessment of Open Street Map Data - A Review”, International Journal of Computer Applications,76(16), September, 2013 pp:17-20.

**Expert Talks:**

* Mr. Abhinav Jain, Software Developer, Infosys Ltd., delivered an expert talk on “ Middleware Technologies” on 15th October, 2013.
* Ms. Jasleen Kaur, Senior Software Developer, One Infotech Ltd. , delivered an expert talk on “Android Mobile Application Development” on 19th October, 2013.
* Ms. Savina Singla, Software Engineer,Edifecs Mohali, delivered an expert talk on “Electronic data Interchange and Healthcare” on 23rd October, 2013.
* Mr. Amit Mathur, Technical Consultant, Siemens, Gurgaon, delivered an expert talk on “Windows based Mobile application” on 28th October, 2013.
* Mr. Vishal Devgun, Manager(IT), BHEL, Goindwal Sahib, delivered an expert talk on “Information Security Management System” on 30th October, 2013.

**Specialized Training:**

* TEQIP-II sponsored specialized training on “Installation & Maintenance of Computer Peripherals” for Lab Attendants was conducted from 14th July, 2013-18th July, 2013 by Mr. Gurmukh Singh and Mr. Jasvir Singh.

**Achievement:**

* Mr. Harmanpreet Singh student of B.Tech(2009-2013) was invited by Google to attend five day “ “Doc Sprint camp” from 14th to 18th October, 2013 to participate as a team member of software called BRL-CAD to write book about that software.

**New Joinings:**

* Ms. Rajveer Kaur joined as Assistant Professor.
* Ms. Shailja joined as Assistant Professor
* Ms. Jasdeep Kaur joined as Assistant Professor

GNDEC welcomes new family members

INFORMATION TECHNOLOGY DEPARTMENT

**Publications:**

International Conference:

* Raninder Kaur presented paper titled “Code Compliance with Building Information Modelling” in ITC ITC 2013( 4rth International Conf. on Recent Trends in Information, telecommunication and Computing held on Aug 01- 02, Aug 2013

**Workshop/STTP Attended:**

* Dr. Kiran Jyoti, Mr. Pankaj Bhambri, Mr. Amit Kamra attended One Week TEQIP-II sponsored FDP on “Finite Element Methods to solve Engineering Problems” at GNDEC Ludhiana from July 22-26 2013.
* Mr. Akshay Girdhra, Dr. K.S. Mann, Dr. Kiran Jyoti, Mr. Manpreet Singh, Mr. Pankaj Bhambri, Ms. Raninder Kaur, Mr. Amit Kamra,Ms. Kamaljit Kaur and Ms. Parminder Kaur Wadwa attended One Week TEQIP-II sponsored STTP cum Workshop on” Computational tools for Engineers” from july 29-August 03 2013.
* Mr. Akshay Girdhra, Dr. K.S. Mann, Dr. Kiran Jyoti, Mr. Manpreet Singh, Mr. Pankaj Bhambri, Ms. Raninder Kaur, Mr. Amit Kamra,Ms. Kamaljit Kaur and Ms. Parminder Kaur Wadwa attended One Day TEQIP-II sponsored Workshop on “Enhancement of Leadership Skills” at GNDEC, Ludhiana on Sep, 16 2013.

**Expert Lectures**

* + Expert lecture is delivered by Mr. Sagar Kashap from Institute of Information Security Network Intelligence India Pvt. Ltd. Chandigarh on Topic “Information Security and Cyber Crime” for students and staff on 30-September-2013.
  + Expert lecture is delivered by Mr. Navdeep Singh Gill from Arcadian Technocrats Consultancy Services Pvt Ltd Chandigarh on Topic “Cloud Computing” for students and staff on 09-October 2013.
  + Expert lecture is delivered by Mr. Sumit Premi from TCS, Noida on Topic “Software Development Strategies” for students on 25-Oct-2013

**Industrial Tour**

* Final Year students went on One Day Industrial Tour to One Infonet, Mohali on 11-Oct-2013.
* Second Year students went on One Day Industrial Tour to G.Tech Software, Ludhiana on 21- Oct-2013.
* Third Year students went on One Day Industrial Tour to Arcadian Technocrats Consultancy Pvt. Ltd., Chandigarh on 23-Oct- 2013.
* Second Year students went on One Day Industrial Tour to Rev Infotech Pvt. Ltd., Ludhiana on 24-Oct-2013.

MECHANICAL ENGINEERING DEPARTMENT

The department organized a three day international conference on Research and innovation in Mechanical Engineering from 24-26th October, 2013. Over 70 papers were presented in 19 sessions attended by varied audience from across the country and abroad. The conference was sponsored by DST,AICTE, TEQIP-II and industry.

Sports Department

**ACHIEVEMENT IN PTU INTER-COLLEGE TOURNAMENTS**

Boys Girls

|  |  |  |  |
| --- | --- | --- | --- |
| Handball | First | Cross-country | First |
| Cross-country | First | Cycling | First |
| Chess | First | Handball | Second |
| Football | First | Hockey | Second |
| Cycling | Second | Lawn tennis | Second |
| N/S Kabaddi | Second |  |  |
| Lawn-tennis | Second |  |  |
| Swimming | Third |  |  |

**INTER-UNIVERSITY PARTICIPATION:**

The following students represented PTU, Jalandhar in North Zone/All India Inter-Varsity Tournaments:

**LAWN-TENNIS**

1. Ramanpreet Singh D4PE-104051 (**Captain**)
2. Gaurav Tripathi D4CE-100036

**CHESS**

1. Sukhwinder Singh D4CSE-105138

**BASKETBALL**

1. Ramandeep Kaur D4CSE-105158
2. Sonia Kumari D4CSE-105160

**WATERPOLO**

1. Simrandeep Singh Chahal D4ECE-103048
2. Pushpdeep Singh Chahal D1ME-131344

**CRICKET**

1. Himanshu Sharma M.Tech.-2nd yr (SE-1220) (**Captain)**

2. Kuljinder Singh D2I.T-126114

3. Ajayveer Singh Sidhu D3CE-110022

4. Ankit D2E.E-122008

**N/S KABADDI**

1. Surinder Kumar D4-ECE-100165
2. Kapil Kumar D4-ECE-103099
3. Arvind Pandey D4-CE-100165

**EXTRA\_MURAL ACTIVITY: TOURNAMENT ORGANISED:**

1. PTU Inter-college Zonal Football Competition in Oct.’2013.
2. PTU Inter-college Swimming in Aug.’2013.

**INTRA\_MURAL ACTIVITY: TOURNAMENT ORGANISED**

1. Inter-branch/year matches in Basketball, Football, Table tennis
2. B.Tech 1st year Cross-country Meet

COLLEGE LIBRARY

* The paper entitled ‘Web 2.0 and its implications in libraries’ was accepted in the journal ‘ISST journals of Advances in Librarianship’ Vol. 4, No. 2, July-December 2013, Ghaziabad by Anil Kumar (Librarian).
* Attended Springer Roadshow on “eResources from the Researcher and End-user Perspective & its benefits” on 04/09/2013 at TAJ Chandigarh by Anil Kumar (Librarian).
* Attended ‘Faculty Development Progamme’ on “Development of Digital Library with Dspace Software” from 05/08/2013 to 09/08/2013 at MIMIT, Malout by Major Singh (Assistant Librarian) and Manpreet Singh (Library Assistant).
* Library set up Digital Library.
* On the recommendation of TEQIP-II inspection team to motivate the students in study, Central Library started to issue two additional books to those students who have achieved first three positions in last examination.