

## Department of Computer Science: Annual Report Year 2015-2016

This academic session was full of events for the Department of Computer Science. Following projects/activities/workshops were organized in this session.

1. **Internship Projects:** The department launched its first internship project (in its phase I): **W2TM** i.e. Website Testing, Training and Maintenance. Duration : 4 months. This is to enrich college students (of any stream) with work experience during the course of study. Presently it involves 4 students.
2. **Research Projects:** A Departmental project funded by DU, CIC is ongoing. Teachers participating are: Dr. Pooja Vashisth, Dr. Baljeet Kaur, Dr. Suruchi Bhatia (APP. PSHY.) and Dr. Biplav Srivastava (from IBM as mentor)
  - It's an innovation project titled "Public Pooling System for Women Safety" funded by Delhi University in 2015 – 16.
  - Involves 6 students of B.Tech (CS), 1 student of B.Sc.(H) CS and 3 students of B.A. (H) Applied Psychology.
  - Total grant allocated for the project is Rs.4,00,000/-

### Student Participation and Activities

1. **A 2 days' Workshop on "Personality Development Program" consisting of 5 modules was organised in Feb '16. Collaboration** with CETPA Infotech Pvt. Ltd, Noida.
2. **Workshop on "Manual wired and Wireless Controlled Robot" in Jan'15 in collaboration with i3 Indiya Technologies**

*\* Workshops were conducted and coordinated by Dr. Shweta Tyagi*

3. **ACM - Brain Game Activity called "CLUE TO CLUE" on 28 Jan'16**
4. **Screening of the movie "A Beautiful Mind"**, an inspirational biography of a famous mathematician Dr. John Nash in Oct'15.
5. **ACM - Talk on "Careers in IT". Speaker: Dr. Ritukar (Director, Landmark Institutes) and Dr. Naveen Kabra (CEO, ReliScore.com) in Oct'15.**
6. **ACM - Talk on "Big Data and Analytics": Inter college talk - a talk on "Big Data" by the ACM distinguished speaker Dr. Biplav Srivastava from IBM** was organised. Dr. Biplav Srivastava is a Senior Researcher & Master Inventor at IBM Research, New Delhi and an ACM Distinguished Scientist and Distinguished Speaker.
7. **National Seminar 2016 (PROPOSED) on "Emerging Trends and Technologies" on 22<sup>nd</sup> Feb 2016. Speakers:** Dr. Naveen Garg (Prof, IITD); Dr Biplav Srivastava (Sr. Scientist, IBM); Dr Sushila Madan (Associate Professor, LSR)

*\* Activity, movie screening and the talk was organised by the ACM student chapter of SPMC in collaboration with the research organization ACM. Coordinated by Dr. Baljeet Kaur.*

8. **Dept's 2-day inter college Annual Tech Fest; SANGTARAASH 2015:** activities like Code czar, Error hunt, Blind coding, LAN Gaming, Tech Rangoli (Logo design), Stroke it (face painting) and Ad Mad. Organized in March 2016.
9. **Dept's 2-day inter college Annual Tech Fest; SANGTARAASH 2016:** altogether 18 activities organised in parallel. Organised on 11-12 Feb 2016. Faculty coordinators: Ms. Mansi and Ms. Pratibha and Student Coordinator: Ayushi Khare.
10. **Ms. Pritika Mathur**, a student of Computer Science Department has successfully designed a mobile app. of the college website
11. **Ms. Aditi Aggarwal** of B.Sc. (H) Computer Science secured 1<sup>st</sup> position in third year, 6<sup>th</sup> semester in 2015 results.
12. Placement of **B.Sc. (H) Computer Science 2015 pass out batch: 10 students** were placed in various IT companies through the CPC, DU.

### **Faculty achievements in the year 2015-16**

**a. Name of the faculty:** Jaya Gera: published 1 research paper in an international conference.

- Jaya Gera, Harmeet Kaur. (2015). Identifying Significant Features to Improve Crowd Funded Projects' Success, In Proceedings of 3rd International Conference on Innovations in Computer Science & Engineering, Springer AISC series, vol. 413, ISBN 978-981-10-0419-3.

**b. Name of the faculty: Dr. Pooja Vashisth**

- Selection of self-biographical profile for inclusion in the world's renowned publication of selected biographies: Marquis Who's Who in the World 2016 (33rd Edition).
- She is working on an innovation research project funded by CIC, University of Delhi.
- She has published 1 research paper in an international conference.

### **RESEARCH PAPERS PUBLISHED**

1. Punam Bedi, Chhavi Sharma, **Pooja Bhatt Vashisth**, Deepika Goel, Muskan Dhanda: Handling cold start problem in Recommender Systems by using Interaction Based Social Proximity factor. Fourth International Conference on Advances in Computing, Communications and Informatics (ICACCI 2015), August 10-13, 2015 Kochi, Kerala, India. IEEE explore: 1987-1993

**c. Name of the faculty: Dr. Baljeet Kaur**

- Baljeet Kaur has published 1 chapter in an international publication.
- Participated in workshop for E-content & Capacity Building organised by ILLI in Feb 2016
- She is working on an innovation research project funded by CIC, University of Delhi.

## **RESEARCH PAPERS PUBLISHED**

1. Baljeet Kaur, Tanya Jain, "Attracting Customers' to Online Shopping Using Mobile Apps – A Case Study of Indian Market" in the book titled "Securing Transactions and Payment Systems for M-Commerce" by IGI Global, USA.

### **d. Name of the faculty: Reema Thareja**

#### **Ms. Reema Thareja published 1 research paper in International Journal**

- Kumar V., Thareja R., "Securing Data Warehouse Data", Global Journal of Advanced Engineering Technologies, Volume 4, Issue 2- 2015, ISSN (Online): 2277-6370 & ISSN (Print):2394-0921

#### **Ms. Reema Thareja published 2 books with Oxford University Press, India**

- Information Technology and its Applications in Business, Oxford University Press, 2014, ISBN 9780199460743
- Object Oriented Programming with C++, Oxford University Press, 2014, ISBN 9780199459636

#### **Ms. Pratibha Yadav published 4 research papers in International Journals**

#### **Ms. Seema Rani published 7 research papers in International Journals**

#### **Ms. Sonia Kumari published 4 research papers in International Journals**

\*\*\*\* PFA the details of publications and the proposed national seminar submitted in a separate document.

**Dr. Pooja Vashisth**

**(Teacher In charge, Computer Science)**