

Annual Report of Computer Science Dept. 2017-18

Department Achievements:

- Organised movie screening "A Beautiful Mind" for Computer Science students under ACM Student Chapter of the college on 22 September 2017 (coordinated by Baljeet)
- ACM Distinguished Speaker Programme- Talk was delivered by two eminent speakers(Dr. Amit and Dr. Arvind) on 22nd February 2018(coordinated by Baljeet)
- Organized a seminar on "Big Data and Hadoop" on 26 October 2017 for the students of B.Sc.(H) Computer Science. (coordinated by Shweta and Pratibha)
- Coordinated 2 day BIG Data Hadoop workshop organized by UTKRAANTI-18 in association with NSSC-IIT Kharagpur in November 2017 (coordinated by Anuradha)
- As a team the department is working to implement its **second in-house** Generic elective project (after a successful completion of timetable project) for use in the college (coordinated by Anuradha)
- Published the second edition of Annual Newsletter of Computer Science Department online – "**NewsByte**" on 22nd feb 2018 (coordinated by Anuradha)
- Baljeet Kaur and a team of computer science students of the department Participated as mentor and members in **Dream India Tour**- a social service project for the upliftment of rural people in June 2017.

Department's major events planned in March 2018 for the golden jubilee year:

- *Organizing annual technical fest "SangTaraash" of the Department of Computer Science, Shyama Prasad Mukherji College on 23 March, 2018 (Coordinated by Pratibha, Shaheen and Anuradha)*
- *Organizing the International Conference on Applications of Computing and Communication Technologies (ICACCT) by the Department of Computer Science, Shyama Prasad Mukherji College on 9-10 March, 2018 .Moreover, we have got approval from very prestigious international series of **SPRINGER** for publishing the proceedings of the international conference ICACCT 2018.*

Faculty Achievements:

Pooja Vashisth:

Publications in Refereed International Journals:

- Vashisth, P., Khurana, P. Bedi, P., A Fuzzy Hybrid Multi-Agent Recommender System, Journal of Intelligent & Fuzzy Systems, IOS Press, Vol. 32, no. 6, pp. 3945-3960, 2017
- Shweta Tyagi, Pratibha Yadav and Pooja Vashisth, In proceedings of 1st International Conference on Data, Engineering and Applications, 28-29 Oct 2017. (Accepted)

Participated in workshop on "Internet of Things" conducted by Computer Science Department of Rajdhani College in collaboration with ICT Academy in January 2018, and "R language workshop" in Department of Computer science.

Also participated in a workshop on "Deep Learning using MATLAB" on 20 Feb 2018 at Department of Computer Science, University of Delhi.

Jaya Gera:

Refresher Course

Participated and completed successfully 2nd Refresher Course conducted by CPDHE, Delhi University in June 2017

Publications in Scopus indexed Refereed International Journals:

- Gera, J., & Kaur, H. (2017). Dynamics of Pledge Behaviour of Crowdfunded Projects. International Journal of Information Technology Project Management (IJITPM), IGI Global, 8 (1), 72. (Scopus, WoS and ESCI indexed).

Papers Presented and published in Refereed International Conferences Proceedings:

- Gera, J., & Kaur, H. (2018). Influence of personality traits on campaign success. Paper presented at 8th International conference on cloud computing, data science and engineering, Amity University, Noida, 11 -12 January (pp. 14-15). IEEE.
- Kaur, H., & Gera, J. (2017). In Procedia Computer Science. Effect of Social Media Connectivity on Success of Crowdfunding Campaigns. Paper presented at 5th International Conference on Information Technology and Quantitative Management

Jaypee Business School, Noida, 8-10 December 2017, vol. 122 (pp. 767-774), Elsevier.
(Series is Scopus Indexed)

Anuradha Singhal:

- As a team trying to implement in house Generic elective project (Project mentor is Anuradha)
- Coordinated second edition of Annual Newsletter of Computer Science Department – **NewsByte**

Baljeet Kaur:

Participated in workshop on "Internet of Things" conducted by Computer Science Department of Rajdhani College in collaboration with ICT Academy in January 2018 and "R language workshop" in Department of Computer science.

Reema Thareja:

Faculty Development Program

- Conducted FDP on Python Programming on 3rd February 2018.

Co-Authored the following books:

1. Computer World Book 5, Allied Publishers, 2018, ISBN: 9789387380394
2. Computer World Book 4, Allied Publishers, 2018, ISBN: 9789387380264
3. Computer World Book 3, Allied Publishers, 2018, ISBN: 9789387380240
4. Computer World Book 2, Allied Publishers, 2018, ISBN: 9789387380233
5. Computer World Book 1, Allied Publishers, 2018, ISBN: 9789385926983
6. Advanced Data Structures, Oxford University Press, 2017, ISBN: 9780199487172

Authored the following books:

1. Programming in C As per Anna University R17 syllabus, Oxford University Press, 2017, ISBN: 9780199485529
2. Python Programming Using Problem Solving Approach, Oxford University Press, 2017, ISBN: 9780199480173

Sonia:

Publications

- Sonia Kumari , Kumari Seema Rani , “ Database Connection Technology ”, International Journal of Advanced Research in Computer Science , ISSN: 0976-5697 , Volume 8 Issue 5, May-June 2017, Page No. 2138-2143.
- Manvendra Yadav , Sonia Kumari ,Kumari Seema Rani , Security Issues in Cloud Computing and Grid Computing, International Journal of Innovative Science, Engineering & Technology, ISSN : 2348-7968 , Vol. 4 Issue 6, June 2017 , Page No. 211-217.

Pratibha:

Publications

- Pratibha Yadav and Shweta Tyagi, Hybrid Fuzzy Collaborative Filtering: An Integration of Item-based and User-based Clustering Techniques, Int. J. of Computational Science and Engineering, Inderscience, Vol.15, No.3/4, pp. 295 – 310, 2017.
- Shweta Tyagi, Pratibha Yadav and Pooja Vashisth, In proceedings of 1st Int Conference on Data, Engineering and Applications, 28-29 Oct 2017. (Accepted)

Shweta Tyagi:

Publications

- Pratibha Yadav and Shweta Tyagi, Hybrid Fuzzy Collaborative Filtering: An Integration of Item-based and User-based Clustering Techniques, Int. J. of Computational Science and Engineering, Inderscience, Vol 15, pp. 295-310.
- Shweta Tyagi, Pratibha Yadav and Pooja Vashisth, In proceedings of 1st Int Conference on Data, Engineering and Applications, 28-29 Oct 2017. (Accepted)

Seema:

Publications

- Big Data: A Challenging Technology, International Journal of Recent Trends in Engineering and Research ISSN: 2455 – 1457, Volume 03, Issue 06 June 2017, Page No. 227-233
- Database Connection Technology, International Journal of Advance Research in Computer Science, ISSN: 0976 – 5697, Volume 8, No. 5, May-June 2017, Page No. 2138-2143 as a co-author.
- Security Issues in Cloud Computing and Grid Computing, International Journal of Innovative Science, Engineering & Technology, ISSN (Online) 2348-7968, Vol. 4 Issue 6, June 2017, Page No. 211-217 as a co-author.

Participation in prestigious workshops

- Participated in a GIAN (Global Initiative for Academic Networks) course “The Internet of Things (IoT) For a Connected Future” , for the course on “Machine Learning Applications for Internet of Things” and for “Big Data Analysis and Mining in Deep Web Repositories” at various venues and workshops.
- Participated in a workshop on topic “Awareness on issues related to women” in December 2017, organized by Department of women studies, Magadh University, Bodhgaya (Bihar).
- Participated in a workshop on “Deep Learning using MATLAB” on 20 Feb 2018 at Department of Computer Science, University of Delhi.

Priyanka Rathee:

Member , Professional Bodies

Her Position was upgraded from vice chair to chair . Currently, she is also acting as IEEE, Chairperson, IEEE Young Professionals (Delhi Section)

Editorial board member of the following journals

Control and system engineering journal, whoice publishing, Singapore.
<http://ojs.whioce.com/index.php/cse/about/editorialTeam>

Wireless Communication Technology journal, Whioce Publishing Pte. Ltd,
<http://ojs.whioce.com/index.php/wct/about/editorialTeam>

Awards and Honours received

Best paper and presentation award, *2017 International Conference on Intelligent Computing, Instrumentation and control Technologies (ICICT)*, IEEE 2017
 Best paper and presentation award, WRFER International Conference 2017.

IEEE Activities organized / participated in (outside the college)

- Invited talk delivered in Poornima University on “Benefits of IEEE YP” and “Big data” on 4th November 2017.
- World Environment day celebration organized by IEEE Delhi section at Select City Walk, Delhi on June 5, 2017.
- Organizing Secretary for the workshop “Shine Rural India with renewable Energy” held at Indian Institute of Delhi on 13th December 2016.
- IEEE Hardtech Summit, Singapore on 26th November 2106 at Nanyang Technological University.
- IEEE YP meet 2016, Workbay, Santacruz, Bombay.
- AISYWC Jaipur from 7th October 216 to 9th October 2016.
- R10 SYWC Bangalore on 25th August to 27th August 2016 at Lalit Ashok.

Paper Publications

Journal:

- Priyanka, Rishi Pal Singh and Sushil Kumar. Analytical Modelling of Back-off Process of IEEE 802.11p using Continuous Markov Chain in VANETs. *International Journal of Computer Applications* 172(9):14-20, August 2017.
- Rathee Priyanka, Rishipal Singh, and Sushil Kumar. "Performance Analysis of IEEE 802.11p in the Presence of Hidden Terminals." *Wireless Personal Communications*: 1-18, 2016.

Conferences:

- Priyanka, Rishi Pal singh, sushil Kumar, “Performance Analysis of IEEE 802.11P using Continuous time Markov Chain”, *2017 International Conference on Intelligent Computing, Instrumentation and control Technologies (ICICT)*, IEEE 2017, ISBN: 978-1-5090-6106-8.
- Priyanka, Rishi Pal singh, sushil Kumar, “Performance Analysis of IEEE 802.11P with retry limits using CTMC”, *Proceedings of WRFER International Conference 2017*, vol 1, pp 48-52.

Books /Book Chapters Contributed

- Chapter Contribution in the Springer book “Emerging technologies in wireless area network”.

Conference organization in SPMC (major contributor)

- Worked to get approval from very prestigious series of springer for publishing the proceedings of international conference ICACCT 2018 to be held in spmc on 9th march 2018.

