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A. **Achievements for Department Wise News**

   Faculty and Staff Achievements News:

   a) **Department of Civil Engineering**

   b) **Department of Information Technology**

A. Achievements for Department Wise News:

Faculty and Staff Achievements News:

a) Department of Civil Engineering:

1. **Dr. Ayush Mittal (Head & Assistant Professor) &**
   Mr. Nitin Kumar Shukla (Assistant Professor):

   Nominated faculty members (Dr. Ayush Mittal and Mr. Nitin Kumar Shukla) of Civil Engineering Department has attended a five days' workshop on **CAD: Specialised Softwares (CADSS-2019)** between **22-26 July, 2019** organised by the Civil Engineering Department YMCA Faridabad.

2. **Dr. Ayush Mittal** (Head & Assistant Professor):

   Department of Civil Engineering, was the **Co-ordinator** of five days' workshop on **CAD: Specialised Softwares (CADSS-2019)** between **July22-July26, 2019** organised by the Civil Engineering Department YMCA Faridabad-121006 Haryana (INDIA).

3. **Mr. Avaneesh Kumar Yadav (**Assistant Professor):

   i. Department of Civil Engineering, attended Short Term Course on **Software Application in Design of Structures (SADS-2019)**between **July08-July12, 2019** at Motilal Nehru National Institute of Technology, Prayagraj, U.P. (INDIA).

   ii. Department of Civil Engineering, was the **member** of Organising Committee five days' workshop on **CAD: Specialised Softwares (CADSS-2019)** between **July22-July26, 2019** organised by the Civil Engineering Department YMCA Faridabad-121006 Haryana (INDIA).

   iii. Department of Civil Engineering, attended three days program on **Executive Leadership Program** between **July26-July28, 2019** offered by The Art of Living and organised by the Abdul Kalam Technical University Lucknow, U.P. (INDIA).

4. **Ms. Vaishali Rajbhar (**Assistant Professor):

   i. Department of Civil Engineering, attended Short Term Course on **Software Application in Design of Structures (SADS-2019)** between **July08-July12, 2019** at Motilal Nehru National Institute of Technology, Prayagraj, U.P. (INDIA).

   ii. Department of Civil Engineering, was the **member** of Organising Committee five days' workshop on **CAD: Specialised Softwares (CADSS-2019)** between **July22-July26, 2019** organised by the Civil Engineering Department YMCA Faridabad-121006 Haryana (INDIA).

5. **Mr. Amit Kumar Rai (**Assistant Professor):

   Department of Civil Engineering, was the **member** of Organising Committee five days' workshop on **CAD: Specialised Softwares (CADSS-2019)** between **July22-July26, 2019** organised by the Civil Engineering Department YMCA Faridabad -121006 Haryana (INDIA).

6. **Mr. Anoop Kumar Verma (**Assistant Professor):

   Department of Civil Engineering, was the **member** of Organising Committee five days' workshop on **CAD: Specialised Softwares (CADSS-2019)** between **July22-July26, 2019** organised by the Civil Engineering Department YMCA Faridabad-121006 Haryana (INDIA).

7. **Mrs. Poonam Singh (**Assistant Professor):

   Department of Civil Engineering, was the **member** of Organising Committee five days' workshop on **CAD: Specialised Softwares (CADSS-2019)** between **July22-July26, 2019** organised by the Civil Engineering Department YMCA Faridabad-121006 Haryana (INDIA).

8. **Mr. Nitin Kumar Shukla (**Assistant Professor):

Department of Civil Engineering, was the **member** of Organising Committee five days' workshop on **CAD: Specialised Softwares (CADSS-2019)** between **July22-July26, 2019** organised by the Civil Engineering Department YMCA Faridabad-121006 Haryana (INDIA).

b) Department of Information Technology; Faculty Publications:

I. Dr. Sudhakar Tripathi, Head & Associate Professor:

Journals:

1. Ranjan, Ashish; Fahad, Md; Fernández-Baca, David; Deepak, Akshay; Tripathi, Sudhakar, "Deep Robust Framework for Protein Function Prediction using Variable-Length Protein Sequences" IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2019.

2. Anand Bihari, Akshay Deepak and Sudhakar Tripathi. "EM and EM'-index sequences: Construction and Application in scientific assessment of scholars. Scientometrics (2018). SCI Expanded (Impact Factor 2.14).

3. Anand Bihari and Sudhakar Tripathi, "Collaboration network analysis based on normalized citation and eigenvector centrality", IJRSDA, IGI Global.

4. Anand Bihari and Sudhakar Tripathi. "Year based EM-index: a new approach to evaluate the scientific impact of scholars". Scientometrics (2018). https://doi.org/10.1007/s11192-017-2625-2, SCI Expanded (Impact Factor 2.14).

In Proceedings of International Conference:

1. Arun Vikram , Anuj Singh , Arvind Kumar Tiwari and Sudhakar Tripathi, " Function Prediction of Human Proteins using Machine Learning Algorithms", 2nd International Conference on Advanced Computing and Software Engineering (ICACSE-19) , Feb. 8-9, 2019, Department of Computer Science & Engineering, KNIT Sultanpur , India.(Accepted).

2. Anand Bihari and Sudhakar Tripathi, " Scientific Evaluation of Individual in Research Community based on Collaborative Index and Normalized Citation Count", 2nd International Conference on Advanced Computing and Software Engineering (ICACSE-19) , Feb. 8-9, 2019, Department of Computer Science & Engineering, KNIT Sultanpur , India. (Accepted).

3. Anand Bihari and Sudhakar Tripathi, "Gene Expression Analysis Using Clustering Techniques And Evaluation Indices", 2nd International Conference on Advanced Computing and Software Engineering (ICACSE-19) , Feb. 8-9, 2019, Department of Computer Science & Engineering, KNIT Sultanpur ,India. (Accepted).

4. Anand Bihari and Sudhakar Tripathi, "Automated of Traffic Management Using Image Processing", 2nd International Conference on Advanced Computing and Software Engineering (ICACSE-19), Feb. 8-9, 2019, Department of Computer Science & Engineering, KNIT Sultanpur, India. (Accepted).

5. Rahul Shrivastava, Sudhakar Tripathi, Prabhat Kumar, "Modeling of Basal Ganglia to incorporate the Procedural memory", 2nd International Conference on Advanced Computing and Software Engineering (ICACSE-19), Feb. 8-9, 2019, Department of Computer Science & Engineering, KNIT Sultanpur, India. (Accepted).

6. Kailash Nath Tripathi, Sudhakar Tripathi, R.B. Mishra, "Language processing in human brain: Computational aspects", 2nd International Conference on Advanced Computing and Software Engineering (ICACSE-19), Feb. 8-9, 2019, Department of Computer Science & Engineering, KNIT Sultanpur, India. (Accepted).

II. <u>Mr. Shivendu Mishra, Asst. Prof.</u> :

<u>Conference Proceedings</u>:

1. Shivendu Mishra with Ritika Yaduvanshi, "An Efficient and Secure Pairing Free Short ID-Based Signature Scheme over Elliptic Curve", In Proc. Of 2nd International Conf. on Advanced Computing and Software Engineering (ICACSE-19) at KNIT, Sultanpur, UP, India, Elsevier SSRN (Scopus Index) (Accepted).

2. Shivendu Mishra with Ashish kr. Mishra et. all, "A Subjective Trust Management System in Multi-Cloud Environment" in Proceedings of Confluence-2019: 9th IEEE International Conference (Accepted) (SCOPUS).

3. Shivendu Mishra with Ritika Yaduvanshi, Ashish kr. Mishra, and Avinash Gupta, "A Security Framework for Service Oriented Architecture Based on Kerberos", In Proc. of Computational intelligence, Communications and Business Analytics in computer science and engineering (CICBA-2018)" at Kalyani Govt. Engg. College West Bengal, India, Springer (Scopus Index).

III. <u>Mr. Ashish Kumar Mishra, Asst. Prof.</u> :

<u>Conference Proceedings</u>:

1. Ashish Kumar Mishra, Abhishek Kesarwani, Dharmendra K. Yadav, "Short Term Price Prediction for Preemptible VM Instances in Cloud Computing", IEEE Sponsored 5th International Conference for Convergence in Technology (I2CT) 2019, Gateway Hotel (Taj), Xion Complex, Wakad Road, Hinjewadi Pune, India, 29th - 31th

March,2019.

2. Abhishek Singh Bhadauria, Ashish Kumar Mishra, Kshitiz Saxena, Shivendu Mishra, "A Subjective Trust Management System in Multi-Cloud environment", 9th International Conference on Cloud Computing, Data Science & Engineering -2019 (Confluence-2019), Amity University Uttar Pradesh, Noida, India, 10th - 11th January, 2019.

3. Ritika Yaduvanshi, Shivendu Mishra, Ashish Kumar Mishra, Avinash Gupta, "A Security Framework for Service-Oriented Architecture based on Kerberos", Second International Conference on Computational Intelligence, Communications, and Business Analytics (CICBA2018), Kalyani Government Engineering College, Kalyani, West Bengal, India, July 27-28, 2018.

IV. <u>Mr. Amit Kumar, Asst. Prof.</u> :

<u>Journals</u>:

1. Amit Kumar and T.V. Vijay Kumar: "Materialized View Enhancement using Set based Particle Swarm Optimization", International Journal of Cognitive Informatics and Natural Intelligence (IJCINI) 12(3) 2018 (22 pages). (Scopus)

V. <u>Mr. Sharad Verma, Asst. Prof.</u> :

<u>Conference Proceedings</u>:

1. Mayank Saini,Sharad Verma, Aditi Sharan," Multi-view ensemble learning using rough set based feature ranking for opinion spam detection", 2nd International Conference on Computer, Communication and Computational Sciences (IC4S)

VI. <u>Mr. Shivendra Kumar Pandey, Asst. Prof.</u> :

<u>Conference proceedings</u>:

1. Rajpoot, et. At.,(2019). Multi-Factor Based Energy Efficient Algorithm for Clustering and Routing in WSN. In 3th International Conference SoCTA 2018 (SCOPUS INDEXED). (In press)

2. Pandey, et. Al. (2019). Energy Distance Clustering Algorithm in WSN. In 9th International Conference-CONFLUENCE' 2019 (SCOPUS INDEXED). (In press)

3. Pandey, et. Al. (2019). Innovation of Transistor in Electronics. National Conference on Entrepreneurship Development & Technological Innovation. (In press)

4. Pandey, et. Al. (2019). Reusing Plastic Waste. National Conference on Entrepreneurship Development & Technological Innovation. (In press)

5. Kumkum et. Al. (2019). A Survey on Fundamental of Wireless Sensor Network with Various Issues in Optimization. 3rd IEEE Technically Sponsored International Conference on Computing Methodologies and Communication (ICCMC 2019) (SCOPUS INDEXED). (In press)

VII. Mr. Prince Rajpoot, Asst. Prof. :

International Journal Papers:

1. "Optimized and load balanced clustering for wireless sensor networks to increase the lifetime of WSN using MADM approaches." Wireless Networks: 1-37 (2018). (SCI INDEXED)

2. "Multiple parameter based energy balanced and optimized clustering for WSN to enhance the Lifetime using MADM Approaches", Wireless Personal Communications (2019). (SCI INDEXED)

International Conference Proceedings :

1. "Multi-Factor Based Energy Efficient Algorithm for Clustering and Routing in WSN", Proceedings of SPRINGER 3rd International Conference SoCTA 2018 (SCOPUS INDEXED). (In press)

2. "Energy Efficient Protocol to Supervise Over-ground Pipelines using WSN", Proceedings of 2018 3rd IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT-2018), pp 1818-1823. (IEEE) (In press)

3. "Partition Based Strategic Node Placement and Efficient Communication Method for WSN", Proceedings of 2018 3rd IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT 2018), pp 1807-1812. (IEEE) (In press)

4. "Optimized H-LEACH algorithm for clustering to improve lifetime of WSN", Proceedings of 2018 3rd IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT-2018), pp 2393-2398. (IEEE) (In press)

5. ''Heterogeneous Clustering for Energy Optimization in Wireless Sensor Networks'', 9th International Conference-Confluence-2019 (SCOPUS INDEXED). (In press)

6. ''Multi-Objective Heterogeneous Clustering Approach for Efficient-Energy Optimization in WSN'', 9th International Conference-CONFLUENCE' 2019 (SCOPUS INDEXED). (In press)

7. ''Multi Parameters Based Heterogeneous Clustering Algorithm for Energy Optimization in WSN'', 9th International Conference-CONFLUENCE' 2019 (SCOPUS INDEXED). (In press)

8. ''Implementation and Analysis of 7T SRAM at Different Design Technologies'', 2nd IEEE International Conference on Intelligent Sustainable Systems [ICISS 2019] (SCOPUS INDEXED). (In press)

9. "Mean Threshold Shortest Job Round Robin CPU Scheduling Algorithm", 2nd IEEE International Conference on Intelligent Sustainable Systems [ICISS 2019] (SCOPUS INDEXED). (In press)

Workshop/FDP/STC Organized by Faculty:

SR. NO.	DATE	FACULTY NAME	REASON
1.	9-13 july 18	A.K. Mishra	Workshop cum FDP Organized
2.	14-17sept 18	AMIT KUMAR	3 Days short term course organized
3.	5-9 march 19	Ramesh Chand Pandey, Ashish Kr. Mishra	Workshop (IPCVA-2019)

Faculty Interaction with Outside World

Event Name	Total Counts
Workshop Attended	13
Short Term Course/ Training Attended	9
Faculty Development Programme Attended	7
Paper Review	2
Expert Lectures Deliver	11
Participation in Summit	1

Papers Published By Students:

Sr. No.	Paper Title	Conference/ Journal Details	Students Name	Faculty Name/s
1.	Optimized H-LEACH algorithm for clustering to improve lifetime of WSN	RTEICT-2018 (IEEE)	Aaditya, Robin Kumar	Prince Rajpoot
2.	Energy Efficient Protocol to Supervise Over ground Pipelines using WSN	RTEICT-2018 (IEEE)	Neetu Verma, Neha Pandey	Prince Rajpoot
3.	Partition Based Strategic Node Placement and Efficient Communication Method for WSN	RTEICT-2018 (IEEE)	Shubham Harsh Singh, Km. Rashmi Verma	Prince Rajpoot
4.	A Brief Review of Applications of Whale Optimization Algorithm to Mechanical and Production engineering	International journal of pure and applied mathematics (1314-3395)	Mohit Verma	Amit Kumar
5.	A Brief Review on Antlion Optimization Algorihtm	ICACCCN-2018 (IEEE)	Sumit Pal	Amit Kumar
6.	Subjective Trust Management System in Multi-Cloud Environment	IEEE Confluence – 2019 (SCOPUS Indexed)	Abhishek Singh Bhaduria, Kshitiz Saxena	Ashish Kumar Mishra, Shivendu Mishra
7.	Energy Distance Clustering Algorithm for WSN	IEEE Confluence - 2019(SCOPUS Indexed)	Shalikaram Patel, Priyanka	Shivendra kr. Pandey
8.	A Comparative Study of Clustering Techniques Used in Cloud Computing to Minimize the Adverse Environmental Impact	IJSE (2347-2693)	Renuka Raj, Vivekanand	Sohit Shukla

9.	Multi Parameters Based Heterogeneous Clustering Algorithm for Energy Optimization in WSN	IEEE Confluence - 2019 (SCOPUS Indexed)	Adarsh Kumar Yadav, Pappu Kumar, Shubham Harsh Singh, Km. Rashmi Verma	Prince Rajpoot, Kumkum Dubey
10.	Heterogeneous Clustering for Energy Optimization in Wireless Sensor Networks	IEEE Confluence – 2019 (SCOPUS Indexed)	Vijeta Sharma, Amrita Gupta, Neha Pandey, Neetu Verma	Prince Rajpoot, Kumkum Dubey
11.	Multi-Objective Heterogeneous Clustering Approach for Efficient-Energy Optimization in WSN	IEEE Confluence - 2019 (SCOPUS Indexed)	Abhishek Prajapati, Vinay Kumar, Shubham Harsh Singh, Neetu Verma	Prince Rajpoot, Kumkum Dubey
12.	Implementation and Analysis of 7T SRAM at Different Design Technologies	2nd IEEE International Conference on Intelligent Sustainable Systems [ICISS 2019]	Abhishek Prajapati, Vinay Kumar, Adarsh Kumar Yadav	Prince Rajpoot, Kumkum Dubey, Sharad Verma
13.	Mean Threshold Shortest Job Round Robin CPU Scheduling Algorithm	2nd IEEE International Conference on Intelligent Sustainable Systems [ICISS 2019]	Pragati Pathak, Prashant Kumar	Prince Rajpoot, Kumkum Dubey Shobhit Kumar

Students Attended Workshop:

SR. NO.	DATE	STUDENT NAME	Detail
1.	Feb 2019	Ratigar	online training iit bhu
2.	Feb 2019	Nidhi	online training iit bhu
3.	Feb 2019	Anjali	online training iit bhu
4.	Feb 2019	Shikha Chaudhari	online training iit bhu
5.	15-17 Mar19	Vikash patel	IIT BHU STC
6.	15-17 Mar19	Neeraj Kumar	IIT BHU STC
7.	15-17 Mar19	Pawan kumar Kanaujiya	IIT Roorkee workshop
8.	15-17 Mar19	Somesh Kumar Yadav	IIT Roorkee workshop
9.	15-17 Mar19	Pankaj	IIT Roorkee workshop
10.	15-17 Mar19	Manvendra Singh	IIT Roorkee workshop
11.	15-17 Mar19	Kumari Sejal	IIT Roorkee workshop
12.	15-17 Mar19	Khusaboo	IIT Roorkee workshop
13.	15-17 Mar19	Sarita Kumari	IIT Roorkee workshop
14.	15-17 Mar19	Vikash Mishra	IIT Roorkee workshop
15.	15-17 Mar19	Brijraj	IIT Roorkee workshop
16.	15-17 Mar19	Krishna kant Verma	IIT Roorkee workshop
17.	15-17 Mar19	Vipin kumar	IIT Roorkee workshop
18.	15-17 Mar19	Neeraj Kumar	IIT Roorkee workshop
19.	15-17 Mar19	Avinash ChaudharY	IIT Roorkee workshop
20.	15-17 Mar19	Panakaj Singh	IIT Roorkee workshop
21.	15-17 Mar19	Rajat Kumar	IIT Roorkee workshop
22.	15-17 Mar19	Emran Khan	IIT Roorkee workshop

23.	15-17 Mar19	Deepu rawat	IIT Roorkee workshop
24.	15-17 Mar19	Ravi Kumar	IIT Roorkee workshop
25.	15-17 Mar19	Ankur Pal	IIT Roorkee workshop
26.	15-17 Mar19	Vipin Kumar Sahu	IIT Roorkee workshop
27.	15-17 Mar19	Priyanshu Sharma	IIT Roorkee workshop
28.	15-17 Mar19	Sataym Gupta	IIT Roorkee workshop
29.	15-17 Mar19	Gaurav Maurya	IIT Roorkee workshop
30.	15-17 Mar19	Akshay pratap Singh	IIT Roorkee workshop
31.	15-17 Mar19	Aditya Kumar	IIT Roorkee workshop
32.	15-17 Mar19	Darmendra Bharti	IIT Roorkee workshop
33.	15-17 Mar19	Naveen Kumar	IIT Roorkee workshop

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