



Scholarly Activities Report

Scholarly Activities Report

October 2020 - December 2020

Research papers (Published in Refereed journals): **24**

Web of Science: **21**

Scopus: **01**

Others: **02**

Books: **2** (Authored: 1, Edited: 1)

Book Chapters: **04**

Conference/Symposium/Workshop Proceedings: **06**

Web of Science: **Nil**

Scopus: **02**

Others: **04**

Patents Published: **03**

Patents Granted: **01**

I. ACTIVE SEED PROJECTS UNDERTAKEN AT DIT UNIVERSITY

DEPARTMENT OF PHYSICS

Dr. Vishakha Kaushik

1. **Project Title:** Exfoliation of large quantity molybdenum disulfide nanosheets using a cost effective technique for catalytic applications, **PI:** Dr. Vishakha Kaushik, **Co-PI-** Dr. Surbhi Sachdev, **Funding agency-** DIT University, Seed Money, **Amount Sanctioned-** 1.5 lacks 9INR), **Duration-**1 Year, **Current status-** Instrument purchasing completed. Some other chemicals purchasing is in progress. **Approx. completion date** – 2021

Dr. Natasha Awasthi

2. **Project Title:** Controlling open quantum system: A challenge for future quantum technologies, **PI:** Dr. Natasha Awasthi, **Co-PI-** Dr. Surbhi Sachdev, **Funding agency-** DIT University, Seed Money, **Amount Sanctioned-** Rs. 70,000/ (INR), **Duration-**1 Year, **Current status-** Ongoing., **Approx. completion date** – 2021

II. ACTIVE EXTERNAL SPONSORED RESEARCH PROJECTS

SCHOOL OF COMPUTING

Sneh Lata Aswal

1. **Project Title:** Jyotirgamaya (project based on hygiene and cleanliness of the Dehradun city) **PI:** SNEH LATA ASWAL, **Funding Agency:** Alamb, Centre for Youth, Plan India, PVR nest. **Amount Sanctioned:** 2.7 lakhs, **Duration:** 6 months but extended for few more months, **Current Status:** Ongoing, **Completion date:** 12 Jan, 2021.

DEPARTMENT OF EECE

Dr. Santosh Kumar

2. **Project Title:** “Modeling and design of all-optical switching devices for DWDM system and sensors for health monitoring system using metal-insulator-metal plasmonic waveguides” **PI:** Dr. Santosh Kumar, **Funding Agency:** SERB (DST), **Project no.** TAR/2018/000051, **Amount Sanctioned:** - Rs. 18.30 Lacs, **Duration:** 3 year (Nov 2018–Oct 2021), **Current status:** on-going, **Approx. completion date:** Oct 2021.

Dr. Brajlata Chauhan

3. **Project Title:** “Conformal Antenna Array” **PI:** Dr. Brajlata Chauhan, **Funding Agency:** TEQIP III/UTU, **Amount Sanctioned:** - Rs. 2.69 Lacs, **Duration:** 2 year (Oct 2019–Sept 2020), **Current status:** on-going, **Approx. completion date:** March 2021.

DEPARTMENT OF PHYSICS

Dr. Parveen Kumar & Dr. Ravi Kumar Shukla

4. **Project Title:** Synthesis and characterization of Thin Films of Electrocaloric Materials for Solid State Cooling Applications, **PI:** Dr. Parveen Kumar, **Co-PI:** Dr. Ravi K. Shukla, **Funding Agency:** DRDO, **Amount Sanctioned:** 21.32 Lakhs, **Duration:** 3 Years, **Current Status:** Ongoing, **Completion date:** 16th July 2021.

Dr. Ravi Kumar Shukla & Dr. K.K. Raina

5. **Project Title:** Lyotropic liquid crystalline materials for capacitive devices and as a water free soft templates to develop nanostructures, (FILENO.EMR/2016/005591), **PI:** Dr. Ravi K. Shukla, **CO-PI:** Dr. K.K. Raina, **Funding Agency:** SERB, Core Grant, **Amount Sectioned:** 3930520/- (INR), **Duration:** 3 years, **Current Status:** Ongoing, **Completion date:** 16th Feb. 2021

III. SUBMITTED EXTERNAL SPONSORED RESEARCH PROJECTS (BETWEEN OCTOBER 1-DECEMBER 31)

DEPARTMENT OF CHEMISTRY

Dr. Jabrinder Singh, Dr. Naveen Singhal & Dr. Arti Chaturvedi

1. **Project Title:** Appraisal of environmental streamflow of Rispana with reference to spatio-temporal variation of water quality index and catchment potential, **PI:** Dr. Jabrinder Singh, **CO-PI:** Dr. Naveen Singhal & Dr. Arti Chaturvedi, **Funding Agency:** UCOST-Uttarakhand vide (file no. UCS&T/PRC/R&D-32/2020-21) **Amount Applied:** Rs. 8.53 Lacs, **Duration:** 1 Year, **Current Status:** Under Process, **Submission Date:** Dec. 15, 2020, **approx. completion date:** N/A.

IV. PUBLICATIONS

a) RESEARCH PAPERS (IN REFEREED JOURNALS) (BETWEEN OCTOBER 1-DECEMBER 31)

DEPARTMENT OF CHEMISTRY

Dr. Jabrinder Singh

1. **J. Singh**, "How COVID-19 induced lockdown impacts air quality in Delhi-NCR region of India?" *Atmosfera*, ISSN 2395-8812, DOI: <https://doi.org/10.20937/ATM.52912> **(Indexed in Web of Science)** [IF: 1.42] Dec 2020.

DEPARTMENT OF EECE

Dr. Santosh Kumar

2. D.G. Rao, S. Swarnakar, V. Palacharla, K. S. Raju, **S. Kumar**, "Design of all-optical AND, OR, XOR logic gates using photonic crystals for switching applications," *Photonic Network Communications*, DOI: <https://doi.org/10.1007/s11107-020-00916-6> **(Indexed in Web of Science)**, [IF: 1.750], Nov 2020.
3. D. G. S. Rao, S. Swarnakar, **S. Kumar**, "Design of all-optical reversible logic gates using photonic crystal waveguides for optical computing and photonic integrated circuits," Vol. 59, No. 35, pp. 11003-11012, *Applied Optics*, DOI: [10.1364/AO.409404](https://doi.org/10.1364/AO.409404) **(Indexed in Web of Science)**, [IF: 1.961] Dec 2020.
4. **S. Kumar**, R. Singh, Recent optical sensing technologies for the detection of various biomolecules: Review," *Optics & Laser Technology*, Vol. 134, 106620, DOI: <https://doi.org/10.1016/j.optlastec.2020.106620> **(Indexed in Web of Science)** [IF: 3.233] Oct 2020.
5. R. A. Pagare, **S. Kumar**, A. Mishra, "Design and analysis of hybrid optical distribution network for worst-case scenario of E2-class symmetric coexistence 80 Gbps TWDM NG-PON2 architecture for FTTX access networks," *Optik*, 228, 166168, DOI: <https://doi.org/10.1016/j.ijleo.2020.166168> **(Indexed in Web of Science)** [IF: 2.187] Dec 2020.
6. G. Zhu, L. Singh, Y. Wang, R. Singh, B. Zhang, F. Z. Liu, B. K. Kaushik, **S. Kumar**, "Tapered optical fiber-based LSPR biosensors for ascorbic acid detection," *Photonic Sensors* DOI: <https://doi.org/10.1007/s13320-020-0605-2> **(Indexed in Web of Science)** [IF: 2.073] Oct 2020.

FACULTY OF MANAGEMENT

Dr. Vijay Kumar Jain & Dr. Hemraj Verma

7. **V. K. Jain**, A. Gupta & **H. Verma**, "Millennials Green Consumption Behavior and Its Linkage to Firms Marketing Competitiveness: Findings from Select Study in Uttarakhand" *International Journal of Global Business and Competitiveness*, 15(2), 94-105. (**Springer**) <https://doi.org/10.1007/s42943-020-00017-1>, Dec 2020.

DEPARTMENT OF MATHEMATICS

Dr. Rakesh Mohan

8. **R. Mohan**, B.C. Joshi, Pankaj "Generalized Inevity and Mathematical Programs" Yugoslav Journal of Operation Research, *National Library of Serbia*, ISSN 0354-0243, DOI: <https://doi.org/10.2298/YJOR200615035J>. (**Indexed in Scopus**), Dec 2020.

Dr. Vinod Kumar Gupta

9. A. Kumar, I. Hashim, A. K. Singh, **V.K. Gupta**, N. Saini, "Combined effect of internal heating and g-jitter on Walter-B Viscoelastic fluid in highly permeable porous media", *Journal of Porous media*, Begell House, Article in Press, ISSN: 1934-0508, DOI: [10.1615/JPorMedia.2021036018](https://doi.org/10.1615/JPorMedia.2021036018). (**Indexed in Web of Science**) [IF- 1.752], Dec. 2020.

Dr. Fateh Singh

10. I. Srivastava, **F. Singh**, A. Kotia, S. K. Ghosh, "MWCNT and graphene nanoparticles additives for energy efficiency in engine oil with regression modeling," *Journal of Thermal Analysis and Calorimetry*, ISSN 1588-2926, DOI: <https://doi.org/10.1007/s10973-020-10377-8>. (**Indexed in Web of Science**), [IF- 2.731], Nov 2020.

SCHOOL OF COMPUTING

Dr. Debopam Acharya

11. A. Barthwal, **D. Acharya**, "An IoT based Sensing System for Modeling and Forecasting Urban Air Quality", *Wireless Personal Communications*, <https://doi.org/10.1007/s11277-020-07862-6>, (**Indexed in Web of Science**), [IF: 1.061], Oct 2020.

Dr. Rama Sushil

12. S. Kumar, P. Singh, **R. Sushil**, P. Singh, A. Tiwari, "Microtremor measurement to evaluate site characteristics by horizontal to vertical spectral ratio technique in Sikkim, Northeast

Himalayas, India”, *Quaternary international*, <https://doi.org/10.1016/j.quaint.2020.11.028>
(Indexed in Web of Science), [IF: 2.003], Nov 2020.

Dr. Bharti Sharma

13. A. Malik, M. Aggarwal, **B. Sharma** and A. Singh, “Optimal Elliptic Curve Cryptography-Based Effective Approach for Secure Data Storage in Clouds”, *International Journal of Knowledge and Systems Science*, 11(4), 65-81, DOI: <https://doi.org/10.4018/IJKSS.2020100105>
(Indexed in Web of Science), Oct 2020.

Dr. Megha

14. **M. Bhushan**, J. Ángel G. Duarte, P. Samant, A. Kumar, A. Negi, “Classifying and resolving software product line redundancies using an ontological first-order logic rule based method”, *Expert Systems with Applications*, Volume 168, , 114167, ISSN 0957-4174, DOI: <https://doi.org/10.1016/j.eswa.2020.114167>. (Indexed in Web of Science), [IF: 5.452], Nov 2020.

Dr. Anil Kumar Dahiya

15. K. Pandey R, **A. K. Dahiya** A. Mandal, “Identifying Applications of Machine Learning and Data Analytics Based Approaches for Optimization of Upstream Petroleum Operations,” *Energy Technology*, p.no. 202000749. DOI: <https://doi.org/10.1002/ente.202000749>,
(Indexed in Web of Science), [IF: 3.43] Oct 2020.

Anuj Kumar Yadav

16. **A. K. Yadav**, Ritika, M. L. Garg, “SecHMS- A Secure Hybrid Monitoring Scheme for Cloud Data Monitoring,” *EAI Endorsed Transactions on Scalable Information Systems*, Vol. 7, no. 4, ISSN 2032-9407, DOI: <http://dx.doi.org/10.4108/eai.23-10-2020.166719>. (Indexed in Web of Science), Oct 2020.

Dr. Garima Verma

17. **G. Verma**, S. Adhikari, (Nov. 2020), “Cloud computing security issues: A stakeholder’s perspective”, *SN Computer Science*, Vol. 1, issue-6, pp. 1-8, Springer, ISSN-26618907, DOI: <http://dx.doi.org/10.1007/s42979-020-00353-2>, (ACM and PUBLON indexed in ACM and PUBLON), Oct 2020.

DEPARTMENT OF PHARMACY

Dr. Sushil Kumar Chaudhary

18. Paul, M. Rajiung, K. Zaman, **S.K. Chaudhary**, A Shakya, "Quantification of the bioactive marker resveratrol in *Morus alba* Linn. Fruits by high-performance thin-layer chromatography," *JPC - Journal of Planar Chromatography-Modern TLC*, Volume-33, pp-481-487, DOI: <https://doi.org/10.1007/s00764-020-00062-9>, (Indexed in Web of Science) [IF-.826] Oct 2020.
19. K. Serabele, W. Chen, S. Tankeu, S. Combrinck, C. Veale, S. vanVuuren, **S.K. Chaudhary**, A Viljoen, "Comparative chemical profiling and antimicrobial activity of two interchangeably used 'Imphepho' species (*Helichrysum odoratissimum* and *Helichrysum petiolare*)," *South African Journal of Botany*. Volume 137, Pages 117-132 DOI: <https://doi.org/10.1016/j.sajb.2020.09.023> (Indexed in Web of Science), [IF-1.792] Dec 2020.

Vaibhav Walia Dr. Sushil Kumar Chaudhary & Dr. Neeraj Sathiya

20. **V. Walia, S.K. Chaudhary, N. Sethiya**, "Therapeutic potential of Mangiferin in the treatment of various neuropsychiatric and neurodegenerative Disorders," *Neurochemistry International*, Volume-143, pp-104939, DOI: <https://doi.org/10.1016/j.neuint.2020.104939>, (Indexed in Web of Science), [IF-3.881], Dec 2020.

Dr. Md. Habban Akhter

21. M. Z. Ahmad, **Md. H. Akhter**, "Progress in nanomedicine-based drug delivery in designing of chitosan nanoparticles for cancer therapy," *Int J Polym Mat & Polym Biomat*. DOI: <https://doi.org/10.1080/00914037.2020.1869737>, (Indexed in Web of Science), [IF-1.932], Dec 2020.
22. **Md. H. Akhter**, "Sarwer Beg. Receptor based targeting of engineered nanocarrier against solid tumor." *Biochemica et Biophysica Acta, (BBA)-General Subjects*, Vol. 1865, No.2, 129777. DOI: <https://doi.org/10.1016/j.bbagen.2020.129777>. (Indexed in Web of Science), [IF-4.00], Dec 2020.

Dr. Manish Gupta

23. Li Ching Ng, **M. Gupta**, "Transdermal drug delivery systems in diabetes management: A review," *Asian Journal of Pharmaceutical Sciences*, Vol. 15, no. 1, pp. 13-25, ISSN 1818-0876, DOI: <https://doi.org/10.1016/j.ajps.2019.04.006>. (Indexed in Web of Science), [IF-4.01], Jan 2020.

Vaibhav Waliya, Dr. Sushil Kumar Chaudhary & Dr. Neeraj Kumar Sethiya

24. V. Walia, S.K. Chaudhary, **N.K. Sethiya**. Therapeutic potential of Mangiferin in the treatment of various neuropsychiatric and neurodegenerative Disorders. *Neurochemistry International*. Volume 143, 104939), DOI: <https://doi.org/10.1016/j.neuint.2020.104939>, [IF-3.881], (Indexed in Web of Science), Dec 2020

b) BOOKS (AUTHORED/ EDITED) (BETWEEN OCTOBER 1-DECEMBER 31)

SCHOOL OF COMPUTING

Dr. Rakesh Kumar Saini & Chandra Prakash

1. R. Sharma, **R. K. Saini, Chandra Prakash (eds)**, "Internet of Things and Businesses in a Disruptive Economy", *Series: Computer Science, Technology and Applications*, ISBN: 978-1-53618-958-2, Nova, Science and Technology Publications (USA), Dec 2020.

DEPARTMENT OF MATHEMATICS

Dr. Naresh M. Chadha

2. **N.M Chadha**, "Programming In MATLAB (With Applied Numerical Methods for Engineers & Scientists), Date of Publishing: Dec 2020.

c) BOOK CHAPTERS (BETWEEN OCTOBER 1-DECEMBER 31)

DEPARTMENT OF CHEMISTRY

Dr. Suheel Kumar Porwal

1. J. Porwal, **S.K. Porwal**, R. Singh, K. Singh. "Synthetic Biofuels and Greenhouse Gas Mitigation". In: Kumar A, Yau YY, Ogita S, Scheibe R. (eds) *Climate Change, Photosynthesis and Advanced Biofuels*. Springer, Singapore. DOI https://doi.org/10.1007/978-981-15-5228-1_10, Sept 2020.

DEPARTMENT OF EECE

Dr. Santosh Kumar

2. R. Singh and **S. Kumar***, "Applications of Graphene in Biomedical Industries," *Comprehensive Analytical Chemistry: Analytical applications of graphene for the comprehensive analytical chemistry*, Elsevier Vol. 99, DOI: <https://doi.org/10.1016/bs.coac.2020.08.008>, Oct 2020.

Dr. Nafees Ahamad & Dr. Gagan Singh

3. **N. Ahamad***, Afzal Sikander, and **G. Singh***, "A New Classical Method of Reduced-Order Modelling and AVR System Control Design," *In Control Applications in Modern Power System*, pp. 89-98. Springer, Singapore. **Nov 2020.**

SCHOOL OF COMPUTING

Dr. Rakesh Kumar Saini

4. **R. K. Saini**, Shailee L. Choudhary, A. Singh, and A. Verma, "Introduction to Optimization Algorithms–Bio Inspired", In *Information Security and Optimization*. New York: Chapman and Hall/CRC Press, ISBN 9780367493455, DOI: <https://doi.org/10.1201/9781003045854>, **Nov 2020.**

d) CONFERENCE/SYMPOSIUM/WORKSHOP PROCEEDINGS

SCHOOL OF ARCHITECTURE AND DESIGN

Ar. Poonam Khatre

1. **K. Poonam**, "Lessons from adaptation of local knowledge and traditional practices for urban public spaces as an effective tool for Urban development in hot cities.," *In Proceedings of the 56th world Planning congress*, Special Track: The future of Hot cities, Vol. 56, no. 39, pp. 1467, ISBN/EAN 978-90-75524-67-3, DOI: <https://isocarp.org/activities/2020congress> , **Dec 2020.**

Ar. Charles Porwal

2. **P. Charles**, "Exploring the spatial tools to generate social inclusive & empowered space for people living in margins", *Track 6: Creating healthy and inclusive urban environment. 56th World Planning Congress, Post oil city.* ISBN/EAN 978-90-75524-67-3, DOI: <https://isocarp.org/activities/2020congress>, **Dec 2020.**

DEPARTMENT OF MECHANICAL ENGINEERING

Dr. Subodh Kumar

3. **S. Kumar**, B. Bhardwaj, V. Sharma, and S. S. Bhadauria, "Effect of welding speed on the metallurgical and corrosion performance of AISI 316 SS welded joints", *International Conference on Industrial and Manufacturing Systems (CIMS-2020)*, N.I.T. Jalandhar, Punjab, India, **09-11 Oct 2020.**

4. B. Bhardwaj, **S. Kumar**, V. Sharma, and S. S. Bhadauria, "Effect of friction welding conditions on the mechanical properties of welded joints during welding of dissimilar materials", *International Conference on Industrial and Manufacturing Systems (CIMS-2020)*, N.I.T. Jalandhar, Punjab, India, **09-11 Oct 2020**.

DEPARTMENT OF PETROLEUM ENGINEERING

Gaurav Richhariya, Dr. Dau Tapas Dora, Dr. Naveen Singhal

5. **G. Richhariya, D. T. Dora, N. Singhal**, A. Kumar, A. Rastogi, S. Pharsi, Y. Goyal, M. Rai "Recron Fiber Reinforced Ultra light Weight Cenosphere Cement for Unconsolidated Formations with Low Fracture Gradient", *International Conference on Recent Advances in Design Materials and Manufacturing ICRADMM-2020*, AMITY University Gwalior (**Indexed in Scopus**) Oct 2020.

Gaurav Richhariya, Dr. Dau Tapas Dora, Dr. Naveen Singhal, Dr. Tarumay Ghoshal

6. **G. Richhariya, D. T. Dora, N. Singhal, T. Ghoshal**, R. Pandey, K. Lal "Polyacrylamide Modified Geopolymer Cement Slurry : A Potential Barrier for Channel Behind Casing", *at International Conference on Recent Advances in Design Materials and Manufacturing "ICRADMM-2020*, AMITY University Gwalior (**Indexed in Scopus**), **Oct 2020**.

e) ATTENDED CONFERENCE/SYMPOSIUM/WORKSHOP AND INVITED TALKS (BETWEEN OCTOBER 1-DECEMBER 31)

SCHOOL OF ARCHITECTURE AND DESIGN

Ar. Charles Porwal

1. **Charles Porwal**, Presented research paper on topic "Exploring the spatial tools to generate social inclusive & empowered space for people living in margins" under Track 6: Creating healthy and inclusive urban environment in 56th World Planning Congress International Workshop hosted by ISOCARP and co-hosted by UNHABITAT and Urban Economic Forum, **Dec 2020**.

Prof. Chhabi Mishra

2. Participated in the Webinar on National Education Policy-with a focus on Innovation and Entrepreneurship, **11th Dec 2020**.
3. Participated in the webinar series, jointly offered COA-TRC, Bhopal and Department of Architecture and Planning, MANIT, Bhopal on the theme 'Spatiotemporal Continuum of Traditional Architecture, **28th Nov 2020**.
4. Attended a webinar on "An Educator's Guide to Teaching on Zoom", **11th Dec 2020**.
5. Participated in a Habitat Forum INHAF, Rethinking CITIES 20 on a theme "Gandhi and Cities", **1st Oct 2020**

Ar. Sandeep M Saxena

6. Attended online webinar on “The Best Strategies for Biophilic Design” Hosted by Filipe Boni, Sami Meira on Sunday, **11th Oct 2020**
7. Attended series 2 of webinars on ‘resilient and sustainable development of historic precincts and areas: focus west Bengal hosted by ICOMOS.
8. Attended webinar on "Application of Artificial Intelligence to Prediction of Properties of Concrete” by Dr. Paratibha Aggarwal and hosted by UltraTech Cement Ltd. & Indian Concrete Institute on **28th Nov, 2020.**
9. Attended webinar on "GOAL SETTING & EXECUTION"" by Ms. Nidhi Prakash and hosted by UltraTech Cement Ltd. & Indian Concrete Institute **3rd Oct, 2020.**

Ar. Vartica Saxena

10. Attended The Best Strategies for Biophilic Design, Hosted by Filipe Boni, Sami Meira, Sunday, 8:00 PM Calcutta, Chennai, Mumbai, New Delhi GMT +5:30, **11th Oct 2020**
11. Attended GIS and Architecture: Bridging Gap in between, a webinar by PIADS, Nagpur, Maharashtra, by Ar. Shubham Raut, M.Tech (Geomatics), CEPT Ahmedabad on **24th Oct 2020.**
12. Attended Traditional techniques of lime mortar and finishes, an online workshop at RRAP Museum, Jaipur virasat foundation on **20th and 21st Nov 2020.**

Ar. Abhilasha Pathak

13. Participated in e – seminar on “Effectiveness of Traditional Knowledge System In Disaster Management” “organized by ICOMOS and InTACH **23rd – 24th Nov 2020.**
14. Attended session for “Regression Analysis” by National Programme on Technology Enhanced Learning by Indian Institute of Technology (IIT) from **14th Sept 2020 – 20th Dec 2020**

Ar. Upendra Joshi

15. Attended Webinar on Heritage Economics, Legal Tools, and Management Mechanisms for Historic Precincts and Areas organized by ICOMOS, India on **01-03 Oct 2020.**
16. Attended Webinar on Creative Pursuits -An Architect's Journey - Ar. Hafeez Contractor organized by Symbiosis Skills & Open University, Pune.
17. Attended Webinar on “Systematic Literature Review: The methods and its applications” organized by Research and Publication Unit Faculty of Management Studies Sabaragamuwa University of Sri Lanka, **10 Nov 2020.**
18. Attended Faculty Development Program on "Research Methodology" organized by BMS College of Architecture, Bangalore, **28- 29. Oct 2020.**
19. Attended FDP in “Research Approaches in Architecture and Urban Planning” **14-18th Dec 2020**

20. Invited as a Jury member for Third Year Design Studio in MIT School of Architecture, Pune

Ar. Vedangi Deshpande

21. Attended Webinar on Heritage Economics, Legal Tools, and Management Mechanisms for Historic Precincts and Areas organized by ICOMOS, India on **01-03 Oct 2020**.
22. Attended Webinar on Creative Pursuits -An Architect's Journey - Ar. Hafeez Contractor organized by Symbiosis Skills & Open University, Pune.
23. Attended Webinar on Rejuvenation and Restoration of Urban Water Ecologies organized by INHAF.
24. Attended Faculty Development Program on "Research Methodology" organized by BMS College of Architecture, Bangalore, **28- 29 Oct 2020**.
25. Attended Webinar on "Systematic Literature Review: The methods and its applications" organized by Research and Publication Unit Faculty of Management Studies Sabaragamuwa University of Sri Lanka, **10 Nov 2020**.
26. Attended FDP in "Research Approaches in Architecture and Urban Planning" **14-18th Dec 2020**.
27. Invited as a Jury member for Fourth Year Design Studio and Research & Dissertation in MIT School of Architecture, Pune

Ar. Purnima Verma

28. Attended Workshop on Hill Area Environment, Climate Change, Sustainable Development and Landslide Risk Reduction & Resilience", by National Institute of Disaster Management (NIDM), Ministry of Home Affairs, Government of India, Tuesday, **Oct 20, 2020**
29. Attended Workshop on "Quantifying daylight in Buildings: Concepts and Simulations using Lightstanzza" **Oct 30- Nov 1, 2020**
30. Attended Webinar, Low energy cooling and ventilation strategies for tropical residences, organized by USAID-MAITREE program, **Oct 30, 2020**
31. Attended Webinar, A climate-based approach to Carbon-Neutral design, organized by USAID-MAITREE program, **11th Nov, 2020**
32. Attended Webinar, Impact on Public Transportation post Covid-19" under Mobilise Your City Program (MYC), Ministry of Housing and Urban Affairs (MoHUA), Govt. of India, European Union (EU) and French Development Agency (AFD) with UMTC, **4th Dec 2020**
33. Attended Webinar, First & Last- Mile Connectivity" under Mobilise Your City Program (MYC), Ministry of Housing and Urban Affairs (MoHUA), Govt. of India, European Union (EU) and French Development Agency (AFD) with UMTC, **22nd Dec 2020**
34. Attended "Indo-UK Virtual Conference on the 5C's of Water Vulnerability: Climate Change, Contaminants, Co-occurrence, Conflicts and COVID-19", by IIT Gandhinagar, **15 Dec 2020**

Ar. Charles Porwal

35. Attended and participated in 56th World Planning Congress International Workshop hosted by ISOCARP and co-hosted by UNHABITAT and Urban Economic Forum. **Dec 2020**
36. Attended the workshop & conference organised by COA & IUDI on Architecture & Urban Design.

Ar. Poonam Katre

37. Attended International Conference, the 56th ISOCARP world planning congress hosted by ISOCARP and Co-hosted by Un Habitat and Urban Economic Forum_ Opening Plenary: World Town Planning Day & VC 1 Parallel Sessions, **Nov 08 to Nov 10, 2020**
38. Attended International Conference, the 56th ISOCARP world planning congress hosted by ISOCARP and Co-hosted by Un Habitat and Urban Economic Forum_ VC 2 Parallel Sessions, **Dec 09 to Dec 11, 2020**.
39. Attended, 5th Chapter of webinar series - II on Multi-Modal Integration under MYC program, **Oct 20, 2020**.
40. Attended, Chapter 6 Webinar Series – II on Sustainable Urban Freight under MYC Program **Oct 30, 2020**
41. Attended, Virtual Global Observance of World Cities Day, 1 Hour session, **Oct 31, 2020**)

Ar. Nagabhoina Tejendra

42. Attended FDP on 'Research methodology' conducted by BMS School of Architecture on **28-29 Oct 2020**
43. Attended webinar 2.0 on the theme 'Spatiotemporal Continuum of Traditional Knowledge in Architecture: A Narrative on India' organised by COA-TRC on **28th Nov 2020**

DEPARTMENT OF CHEMISTRY

Dr. Naveen Singhal

1. **Dr. Naveen Singhal** participated in 'Global Water Congress-2020' on **2-4 Oct. 2020**.
2. **Dr. Naveen Singhal** participated in 'India International Science Festival-2020' on **22-25 Dec. 2020**.

Dr. Suheel Kumar Porwal

3. **Dr. Suheel Porwal** participated in a C&EN Webinar in "High-Performance Native LC-MS for Increasing Analytical Depth when Characterizing Biopharmaceuticals" on **Nov_27, 2020**.
4. **Dr. Suheel Porwal** participated in a C&EN Webinar in "Halitosis Diagnosis and Control Using SIFT-MS" on **Dec_04, 2020**.
5. **Dr. Suheel Porwal** participated in a C&EN Webinar in "Engineering education and research during Covid-19 – how to impart practical knowledge" on **Dec_15, 2020**.

DEPARTMENT OF CIVIL ENGINEERING

Dr. Tarumay Ghoshal

1. **Traumay Ghohsal** attend webinar, Georgia Forestry BMPs-2, certificate provided by Georgia SFI Implementation committee, Georgia Forestry and Warnell School of Forestry and Natural Resources, on **13 Oct 2020**.
2. **Traumay Ghohsal** attend webinar, Get Your Students Excited about Remote Learning. Build an Effective Virtual Classroom Today With Broadcast-Quality Content! By Education Week on **07th Oct 2020**.
3. **Traumay Ghohsal** attend webinar, Green & Sustainable Building Materials and Utilization of C&D Waste' by Department of Civil Engineering, JUET Guna (MP), India on **05, Dec 2020**.
4. **Traumay Ghohsal** attend webinar, Healthy Soils for a Sustainable Future: Soil Health and Green House Gases, certificate given by USDA, NRCS, on **15th Oct 2020**

Dr. Rana Acharyya

5. **Dr. Rana Acharyya** attended a Webinar lecture on "Interactions of Geo-Technology - Shallow Foundations – Auditing" Organized by Indian Geotechnical Society Bengaluru Chapter on **24th Dec 2020**.
6. **Dr. Rana Acharyya** attended 1-day international workshop on "Scour and Erosion" Organized by ISSMGE [TC 213] and Andhra University College of Engineering, Visakhapatnam on **16th Dec2020**.
7. **Dr. Rana Acharyya** attended Conference on "Development in geotechnical engineering for sustainable tomorrow" Organized by IGS Visakhapatnam Chapter and Andhra University College of Engineering on **17-19 Dec 2020**.

DEPARTMENT OF EECE

Dr. Santosh Kumar

1. Delivered an invited talk in FDP at IIT Patna, India on **09th Oct 2020**.
2. Delivered an invited talk in STC at NIT Manipur, India on **30th Dec 2020**.
3. Delivered an invited talk in FDP at SVNIT Surat, India on **19th Oct 2020** as a Chief Guest and Guest of Honor.
4. He became an Associate Editor of IEEE Sensors Journal on **30th Nov 2020**.
5. Reviewed 77 SCI Journals during **Oct. – Dec., 2020**.

FACULTY OF MANAGEMENT

Dr. Hemraj Verma

1. Anu Gupta & **Dr. Hemraj Verma** presented research paper on “*Bibliometric Analysis of Green Consumption Behaviour*” in International E- Conference on the Age of Transformation: Impact of technology in Marketing Organized by IMS University **18-19 Dec 2020**.
2. Himanshu Chauhan & **Dr. Hemraj Verma** presented research paper on “*Understanding Importance of Destination Branding as a Tool of Economic Development*” in International E- Conference on the Age of Transformation: Impact of technology in Marketing Organized by IMS University **18-19 Dec 2020**.

Dr. Vijay Kumar Jain & Dr. Praveen Dube

3. **Dr. Vijay Kumar Jain** presented research paper on “*Development and Validation of Scale for Responsible Consumption*” in International E- Conference on the Age of Transformation: Impact of technology in Marketing Organized by IMS University **18-19 Dec 2020**.
4. Aditi Singal, **Dr. Vijay Kumar Jain** and **Praveen Dube** presented research paper on “*Evaluating Factors for Successful Technological Implementation in Indian Banking Industry using DEMATEL*” in International E- Conference on the Age of Transformation: Impact of technology in Marketing Organized by IMS University **18-19 Dec 2020**.

Dr. Preeti Sharma

5. **Dr. Preeti Sharma** presented research paper on “*Relationship Between Workforce Deviance Behaviour and Job Performance in Service Sector in India: Pls Based Analysis*” in 12th International e conference on “Digitalization as a Vehicle for Innovation, Organizational Growth, and Effectiveness” organized by Prestige Institute of Management, Gwalior, MP, **19-20 Dec 2020**.

6. **Dr. Preeti Sharma** presented research paper on “*Factors contributing to Talent Management and its relation to Employee Retention in the Manufacturing Sector: A study of technical employees in India*” in 12th International e conference on “Digitalization as a Vehicle for Innovation, Organizational Growth, and Effectiveness” organized by Prestige Institute of Management, Gwalior, MP, **19-20 Dec 2020**.

Dr. Praveen Dube

7. Aditi Singhal & **Dr. Praveen Dube** presented research paper on “*Analysis of Financial Inclusion in Rural Area of Uttarakhand*” in International Conference on Rethinking Business Strategies Organised by Mittal school of Business, Lovely Professional university, Punjab on **19th Dec 2020**.

Dr. Preeti Sharma

8. **Dr. Preeti Sharma** participated in two weeks Refresher Course on “*Data Analysis with Statistical Methods (Sharpening Skills in Statistical Analysis through MS-Excel, SPSS, MATLAB and R)*” organized by Ramanujan College, University of Delhi in collaboration with Indian Accounting Association, NCR Chapter under Ministry of Education Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.

DEPARTMENT OF MATHEMATICS

Dr. Jogendra Kumar

1. Presented Research paper titled “A Novel Two Steps Numerical Method to Solve Non-linear Equations” in 86th Annual (International) Conference of Indian Mathematical Society, organized by Department of Mathematics, School of Advanced Sciences, **VIT**, Vellore, Tamilnadu, during **17-21 Dec 2020**.
2. Deliver a talk on, “Introduction to Mathematica: Scientific Computing and Visualisation” on 21st Nov 2020 in webinar organised by Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai, Tamil Nadu, **Nov 2020**

DEPARTMENT OF PHYSICS

Dr. Ravi Kumar Shukla

1. **Dr. Ravi Shukla**, delivered an invited talk in National Conference on Liquid Crystals NCLC 2020, organized by Amity University, Uttar Pradesh, Noida, **23 Dec 2020**.

SCHOOL OF COMPUTING

Dr. Rama Sushil

1. Dr. R. Sushil attended Online one week webinar, "Cloud and network security mechanism", IIT (ISM) Dhanbad, event sponsored by ISEA, MEITY, Govt. of India, **2- 6 Nov 2020**.

Dr. Anil Kumar Dahiya

2. **Anil Kumar**, Session Chair in 5th IEEE Conference ICRAIE 2020 on **2nd Dec, 2020**
3. **Anil Kumar**, Expert Lecture in ABESIT College of Engg. on **8th Oct 2020**
4. **Anil Kumar**, Session Chair, 2nd International Conference on Engineering, Technology and Management in the Digital Era (ICETMDE-2020) held on **15th Dec 2020**

Dr. Priyanka Dahiya

5. **Priyanka Dahiya**, Session Chair in 5th IEEE Conference ICRAIE 2020 on **2nd Dec, 2020**

Neeraj Rathor

6. Attended FDP on Artificial Intelligence Conducted By IIT, Ropar under ATAL (AICTE TRAINING & LEARNING ACADEMY), **1 - 5 Oct 2020**
7. Attended Online FDP on Technology as a Bridge in different domains of life during COVID-19 Conducted By BTKIT, Dwarahat under TEQIP-III, **19 - 23 Oct 2020**
8. Attended Online International FDP on Multidisciplinary Research Innovation in Engineering, Science and Technology for Sustainable Development ,Conducted By BTKIT, Dwarahat under TEQIP-III, **26 Oct 2020 - 7 Nov 2020**
9. Attended Online FDP on Artificial Intelligence Conducted By ABV-IIITM, Gwalior under ATAL (AICTE TRAINING & LEARNING ACADEMY), **23 - 27 Nov 2020**.

Anuj Kumar Yadav

10. Attended TEQIP-III SPONSORED TWO WEEK ONLINE FDP ON "Multidisciplinary Research Innovation in Engineering, Science and Technology for Sustainable Development," organized by Department of CSE,BTKIT,ALMORA, from **26th Oct to 7th Nov 2020**.
11. Attended one-week Week AICTE training and learning academy (ATAL) online FDP on "FOUNDATION AND PRACTICAL ASPECTS OF CYBER SECURITY," organized by Department of CSE, DR B.C. ROY ENGINEERING COLLEGE, DURGAPUR, from **15th-19th Dec 2020**.

Dr. Rakesh Kumar Saini

12. Chaired a session of 2nd International Conference on “Computing, Communication, and Cyber Security (IC4S-2020)” (**Springer Conference**) organized by Krishna Engineering College, Ghaziabad, India during 3rd - 4th October, 2020.
13. chaired a session of 3rd International Conference on “Futuristic Trends in network and computing technologies (FTNCT-2020)” (**Springer Conference**) organized by **Southern federal university, Russia** during 14th - 16th **Oct 2020**.
14. chaired a session of 2nd International Conference on Smart and Intelligent Learning for Information Optimization (CONSILIO-2020) organized by Consilio Intelligence Research Lab, Noida during 24th - 25th October, 2020 at Goa, India, **Oct 2020**
15. Chaired a session of 6th International Conference on Parallel, Distributed and Grid Computing (PDGC), **IEEE (USA) conference** record number-50313, organized by Department of Computer Science & Engineering and Information Technology, Jaypee University of information Technology, Solan, Himanchal Pradesh, India during 6th - 8th **Nov 2020**.
16. Participated in International Summit on Quality Indices in Higher education-2020 (ISQIHE-2020) at Delhi Technological University (**DTU**), Delhi during **6th to 7th Nov 2020**.
17. Attended one Weak QIP Short Term Course from 30th Nov 2020 to 4th Dec 2020 on “Recent Advancements in Software Development Practices, Artificial Intelligence and Communication Technologies: Digital India Perspectives”, organized by Quality Improvement Program Centre at **IIT Roorkee, Dec 2020**.

Dr. Narendra Kumar

18. International FDP on “Multidisciplinary Research Innovation in Engineering, Science and Technology for Sustainable Development” organized by Computer Science and Engineering Department, Bipin Tripathi Kumaon Institute of Technology Dwarahat Almora (Uttarakhand), INDIA on **Oct 26- Nov 7, 2020**.

Chandra Prakash

19. Attended AICTE sponsored Quality Improvement Programme (QIP) short-term course on "Recent Advancements in Software Development Practices, Artificial Intelligence and Communication Technologies: Digital India Perspectives" organized via online mode during 30-11-2020 to 04-12-2020 by the Department of Computer Science and Engineering, Indian Institute of Technology Roorkee. **Dec 2020**.

SCHOOL OF LIBERAL ARTS & MANAGEMENT (HUMANITIES)

Dr. Vikash Kumar Mishra

1. **Dr. Vikash Kumar Mishra**, Attended One Day online Webinar on ‘Strategies and Skills Required for Higher Education during COVID 19’ organized by Department of Management, Central University of Tamil Nadu, **Nov. 5, 2020**.

DEPARTMENT OF PHARMACY

Dr. Ashok Behera

1. Attended Synthesis, characterization, radiolabelling and biological Evaluation of cyclic peptides as tumor imaging agent International Conference on Current Scenario in Advancements of Pharmaceutical Education & Research: Challenges & Prospects, SVCPCON-2020 organized by Swami Vivekanand College Of Pharmacy Ramnagar, Banur in Technical Collaboration with: Indian Pharmacopoeia Commission, New Delhi and Association of Pharmaceutical Teachers of India, Punjab State Branch Indian Pharmacy Graduates’ Association-WOMEN Forum from **29-31 Dec 2020**.

Dr. Jagannath Sahoo

2. Attended AICTE sponsored National e-Conference on "PERSONALIZED DRUG DELIVERY THROUGH 3D PRINTING: NEWER CHALLENGES FOR PHARMA INDUSTRIES" organized by Noida Institute of Engineering and Technology (Pharmacy Institute), Guest Speaker for Technical Session – **1, 25th Nov 2020**.
3. Attended AICTE-ATAL Sponsored Advancement of pharmaceutical engineering: An Industrial Perspective (Online Mode) , Dr. Dayaram Patel Pharmacy College, Bardoli, from **23rd- 27th Nov 2020**

Dr. Neeraj Sethiya

4. Delivered talk as a resource person entitled as “Therapeutic potential of Herbs against COVID-19” on a webinar on Pharmaceutical and Plant Biotechnology Spearheads Against SARS-CoV-2: Challenges & Opportunities Sponsored By: Gujarat State Biotechnology Mission (GSBTM), Department of Science & Technology, Government of Gujarat, **Dec 12th , 2020**
5. Attended Orientation Session as a Speaker on “National Innovation and Start-up Policy” conducted by the SVKM’s NMIMS IIC SPPSPTM on **28th Dec 2020**.

Shraddha M. Gupta

6. Attended poster presentation on topic “**Therapeutic efficacy of Hispolon, a polyphenol for management Alzheimer’s Disease**” by **Shraddha M Gupta***, Sushil K Chaudhary,

Ashok Behera, Neetesh K Jain, in drug discovery summit-2020 in at International web conference on “Exploring New Horizons in Drug Research, Discovery & Development” on October 9-10, 2020. Conducted by Baddi University of Emerging Sciences and Technologies in association with Chandigarh Region Innovation and Knowledge Cluster (CRIKC) & CIPLA FOUNDATION.

Dr. Vaibhav Walia

7. Attended ceremony of ESVC 2020 & 2nd Annual Engineering Excellence Award **2020**.

Dr. Ashok Behera

8. Attended International Conference on Current Scenario in Advancements of Pharmaceutical Education & Research: Challenges & Prospects, SVCPCON-2020 organized by Swami Vivekanand College Of Pharmacy Ramnagar, Banur in Technical Collaboration with: Indian Pharmacopoeia Commission, New Delhi and Association of Pharmaceutical Teachers of India, Punjab State Branch Indian Pharmacy Graduates' Association-WOMEN Forum from **29-31 Dec 2020**.
9. Attended one week (online) Short Term Course on Advanced Energy Materials, organized by Department of Physics, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, Punjab (India). From **12-16 Oct 2020**.
10. Attended AICTE Training and Learning (ATAL) Academy Online FDP on "Novel Materials" at SRM Institute of Science and Technology, from **9-13 Nov 2020**.

Dr. Manmohan Singhal

11. Dr. Manmohan Singhal has given talk on Pharmacotherapeutic Intervention for Treatment and prevention of COVID19 in GSBTM & DST sponsored National Webinar on **12 Dec 2020**
12. Dr. Manmohan Singhal has given talk on Artificial Intelligence in Clinical Pharmacy in AICTE sponsored one week ATAL-faculty development program from **23 - 27 Nov 2020**.

DEPARTMENT OF STUDENT OF WELFARE

Zainab Faruqui

1. Online Certificate Course - “Psychological First Aid”, Johns Hopkins University, Oct **2020**
2. Attended Three Days Global Mental Health Fest 2020, organised virtually by World Federation for Mental Health **9 - 11 Oct 2020**.

3. Attended two days International conference – 2nd World Youth Conference on Kindness 2020, organised by Mahatma Gandhi Institute of Education for Peace & Sustainable Development (MGIEP) **24 – 25 Oct 2020.**
4. Online Certificate Course – “Mind Control: Managing Your Mental Health during COVID-19”, University of Toronto, **Oct 2020.**
5. Online Certificate Course – “The Social Context of Mental Health and Illness”, University of Toronto, **Nov 2020.**
6. Online Certificate Course – “Resilient Teaching Through Times of Crisis and Change”, University of Michigan, **Nov 2020.**
7. Participated in National Webinar “Women’s Mental Health” under Mission Shakti 2020, organised by Bundelkhand Institute of Engineering & Technology, **28 Nov 2020**
8. Online Certificate Course – “Blended Learning: Personalizing Education for Students”, Clayton Christensen Institute and Relay Graduate School of Education, **Dec 2020.**
9. Online Certificate Course – “Know Thyself - The Value and Limits of Self Knowledge: The Unconscious”, University of Edinburgh, **Dec 2020**
10. Attended International workshop – “Building Capacities in Emotional Awareness based on Compassionate Integrity Training (CIT)”, organised by UNESCO MGIEP **12 Dec 2020.**

f) BOOK REVIEWS (BETWEEN OCTOBER 1-DECEMBER 31)

NIL

g) MONOGRAPHS/ POLICY PAPERS (BETWEEN OCTOBER 1-DECEMBER 31)

NIL

h) CREATIVE WORK AND PERFORMANCES (BETWEEN OCTOBER 1-DECEMBER 31)

SCHOOL OF ARCHITECTURE AND DESIGN

Ar. Vedangi Deshpande

1. Participated & Published in QISSA 2020 “Memories with My Heritage” organized by ICOMOS India, **Sept. 2020**.
2. Participated & Published in Awareness campaign, Central Vista: Jansthal, a People’s Place.

i) NEWSPAPER/MAGAZINE ARTICLE AND EDITORIALS (BETWEEN OCTOBER 1-DECEMBER 31)

NIL

V. PATENTS PUBLISHED/GRANTED (BETWEEN OCTOBER 1-DECEMBER 31)

PUBLISHED

SCHOOL OF COMPUTING

Dr. Mitali Srivastava

1. T. Sood, V. Kumar, **M. Srivastava**, Anil, R. K. Srivastava, A. Khosla,” An Irrigation System With Iot Connectivity”, *Indian Patent*, Application No. 202011043528, Publication Date: **23 Oct 2020**.

Dr. Anil Kumar Dahiya and Priyanka Dahiya

2. R.C. Panda, **A. Kumar, P. Dahiya**, D. K. Srivastava, P. Karthigeyan, “A Novel Domestic Sewage Treatment Plant”, *Indian Patent*, Application No. 202031047582. Publication Date: **04 Dec 2020**.

Dr. Anil Kumar

3. **A. Kumar et. al**, “A Novel Smart carbonless cooking gasifier.”, *Indian Patent*, Application No. 202031044344. Publication Date: **04 Dec 2020**.

GRANTED

Dr. Anil Kumar

1. R. Prabha, L. Prasad M., M. Raja, R. D. Kumar, **A. Kumar**, P. Selvan; V. Premchandran, M. Hemalatha, R. Priya, S. Ponnusamy, R. Ranjith Kumar, "Voice Based Outdoor Navigation and Location Announcement Guidance System for Blind", *Australia Patent*, 2020103056, **Oct 28 2020**.

VI. ORGANIZATION OF NATIONAL/INTERNATIONAL CONFERENCES/ MEETINGS/ WORKSHOPS (BETWEEN OCTOBER 1-DECEMBER 31)

SCHOOL OF ARCHITECTURE AND DESIGN

Ar. Shreya Giri

1. Organized National event on World Architecture Day 2020 with IIA Uttarakhand Chapter through virtual Platform on **5th Oct 2020**.

DEPARTMENT OF PHARMACY

Shraddha M. Gupta

1. Mrs. Shraddha M. Gupta participated as Outreach Committee Member in "4th International Conference on Recent Advancements in Engineering and Technology (ICRAET)-2021" (ICRAET-2021)

VII. MEMBERSHIP OF PROFESSIONAL BOARDS/ COMMITTEES (OUTSIDE DIT UNIVERSITY), REFEREEING FOR JOURNALS/CONFERENCES/PROJECTS

DEPARTMENT OF CIVIL ENGINEERING

Dr. Rana Acharyya

1. **Dr. Rana Acharyya** reviewed a technical paper on Influence-Aware Graph Neural Networks for Node Embedding for Journal of Applied Soft Computing, Elsevier on **23 Oct 2020**.

2. **Dr. Rana Acharyya** reviewed a technical paper on Evaluation of the Improvement of the Bearing Capacity of a Strip Footing resting on Reinforced Earth Bed Subjected to Dynamic Loading for Journal of SN Applied Sciences, Springer on **12 Nov 2020**.
3. **Dr. Rana Acharyya** reviewed a technical paper on Calibrating Resistance Factors for Bearing Capacity Design of Shallow Foundations on Weathered Rock Using Field Plate Load Tests for Journal of KSCE Journal of Civil Engineering, Springer on **12 Nov 2020**.
4. **Dr. Rana Acharyya** reviewed a technical paper on The Behaviour of Reinforced Clay in the Laboratory Tests for California Bearing Ratio for Journal of Geotechnical Engineering, Proceedings of ICE (Institute of Civil Engineers) on **13 Nov 2020**.
5. **Dr. Rana Acharyya** reviewed a technical paper on Warping Stress Reduction With CFRP-Retrofitting of Steel I-Section Members under Torsion for Journal of Practice Periodical on Structural Design and Construction, ASCE on **9 Dec 2020**.
6. **Dr. Rana Acharyya** reviewed a technical paper on Warping Stress Reduction With CFRP-Retrofitting of Steel I-Section Members under Torsion for Journal of Practice Periodical on Structural Design and Construction, ASCE on **9 Dec 2020**.
7. **Dr. Rana Acharyya** reviewed a technical paper on Mechanical and Resistivity Property of Composite Soil Prepared with Red Mud and Desulfurized Gypsum for Journal of KSCE Journal of Civil Engineering, Springer on **30 Dec 2020**.

DEPARTMENT OF EECE

Dr. Nafees Ahmad

1. **Member of Preliminary Design Review Committee for Optical Periscope & Optronic Mast for Project ICS for Submarines** (Instruments Research & Development Establishment (IRDE)-A laboratory of the Defence Research & Development Organization (DRDO), Government of India) **2 Dec 2020**.

Dr. Kuldeep Choudhary

1. Early Career Professional Member of **SPIE** (the international society for optics and photonics, USA) **SPIE ID#: 3654091, Dec 2020**
2. Early Career Professional Member of **OSA** (Optical Society of America) **Membership ID: 1171776, Dec 2020**

DEPARTMENT OF PHYSICS

Dr. Ravi Kumar Shukla

1. **Dr. Ravi Shukla**, reviewed a paper for Journal of Inorganic and Organometallic Polymers and Materials, [I.F. 1.92], Dec 2020.

SCHOOL OF COMPUTING

Dr. Mitali Srivastava

1. Journal of Super Computing (springer): one paper reviewed

Dr. Ranjeet Kumar Ranjan

2. Reviewer in ICAAAIML-2020: International Conference on Advances and Applications of Artificial Intelligence and Machine Learning held on 29th and 30th October, 2020 at Sharda University Uttar Pradesh, Greater Noida, Oct 2020

Dr. Sarvesh Vishwakarma

1. Membership & Institute of Electrical and Electronics Engineers (IEEE) Young Professionals, USA
2. Institute of Electrical and Electronics Engineers (IEEE) Computer Society, USA
3. Association for Computing Machinery (ACM), USA

Dr. Rakesh Kumar Saini

1. Appointed as an IT cell member of Uttarakhand Government, Uttarakhand, India, Nov 2020.

VIII. AWARDS/ HONORS/ FELLOWSHIPS (BETWEEN OCTOBER 1- DECEMBER 31)

DEPARTMENT OF CHEMISTRY

Dr. Naveen Singhal

1. **Dr. Naveen Singhal** – Recognition Certificate- NSS Directorate (Govt. Of Uttarakhand) for societal activities on Golden Jubilee Occasion, Oct 2020

Dr. Jabrinder Singh

2. **Dr. Jabrinder Singh** – Recognition Certificate- NSS Directorate (Govt. Of Uttarakhand) for societal activities on Golden Jubilee Occasion, **Oct 2020**

FACULTY OF MANAGEMENT

Aditi Singal & Dr. Vijay Kumar Jain & Dr. Praveen Dube

1. **Aditi Singal, Dr. Vijay Kumar Jain and Praveen Dube** research paper Titled” *Evaluating Factors for Successful Technological Implementation in Indian Banking Industry using DEMATEL*” has won best paper award (with cash prize of 10,000 Rs) in International E-Conference on the Age of Transformation: Impact of technology in Marketing Organized by IMS University **18-19 Dec 2020**.

DEPARTMENT OF PHARMACY

Shraddha M. Gupta

1. Shraddha M. Gupta secured 71% in SWAYAM online certification course on ‘Analytical Techniques’ (15 weeks, 4 credit) offered by AIIMS, New Delhi.

Dr. Vaibhav Walia

2. Dr. Vaibhav Walia was awarded Engineering Excellence Award 2019 - 20- Award for Outstanding Contribution to Entrepreneurship & Leadership Development by ISIEINDIA **9 Oct 2020**.

Dr. Ashok Behera

3. Dr. Ashok Behera was awarded 2nd prize in (Oral Presentation, Technical Session IV- Natural Products & Drug Discovery International conference on current scenario in advancements of pharmaceutical education & research: challenges & prospects. SVCPCON-2020 organized by Swami Vivekanand College Of Pharmacy Ramnagar, Banur in Technical Collaboration with: Indian Pharmacopoeia Commission, New Delhi and Association of Pharmaceutical Teachers of India, Punjab State Branch Indian Pharmacy Graduates’ Association-WOMEN Forum from **29-31 Dec 2020**.

Dr. Bhavna

4. Dr. Bhavna, Awarded with certificate of excellence for “WOMEN RESERCHER AWARD”, SHEN 2020 Awards: 2nd International Research Awards on Science, Health and Engineering, **8th Dec. 2020** by Science Father, India.

DEPARTMENT OF PETROLEUM ENGINEERING

Gaurav Richhariya

1. Best Paper award for paper titled “Recron Fiber Reinforced Ultra Light Weight Cenosphere Cement for Unconsolidated Formations with Low Fracture Gradient” at International Conference on Recent Advances in Design, Materials and Manufacturing (ICRADMM 2020), **15-16 Oct 2020**.

IX. DOCTORAL STUDENTS AWARDS/ACHIEVEMENTS (BETWEEN OCTOBER 1-DECEMBER 31)

Dr. Santosh Kumar & Dr. Sonika Singh

1. Completion of **Ph.D.** in Electronics & Communication Engineering of **Ms. Amna Bedi**, with title 'Modeling and performance analysis of Fiber Optic Photonic Sensors', under supervision of **Dr. Santosh Kumar and Dr. Sonika Singh. Dec 2020**

X. CONSULTANCY DETAILS (BETWEEN OCTOBER 1-DECEMBER 31)

NIL

XI. OTHER ACHIEVEMENTS (BETWEEN OCTOBER 1-DECEMBER 31)

SCHOOL OF ARCHITECTURE AND DESIGN

Ar. Jitendra Kumar Sarohi

1. Topped the NPTEL Course on “Urban Governance & Development Management” from **September 2020 – Dec 20th 2020** with 90 % score.

Ar. Abhilasha Pathak

2. Appeared for “ Disaster Recovery and Build back Better” by National Programme on Technology Enhanced Learning by Indian Institute of Technology (IIT) and successfully completed the course with 85 % result. from **Sept 14th 2020 – Dec 20th 2020**

Ar. Upendra Joshi

3. Successfully Completed NPTEL AICTE Approved course- Visual Communication Design for Digital Media.

Ar. Meghna Chatterji

4. Attended Germany-Dehradun summer school - RETHINKING SMART CITIES AS SMART AND SUSTAINABLE VALLEYS: DEHRADUN AND TÜBINGEN conducted by UNIVERSITÄT TÜBINGEN, Germany and HUMANITIES HIMALAYA in collaboration with DAAD (German Academic Exchange Service). From **10-23 Dec 2020**

Ar. Poonam Katre

5. Participated in “CPPR – ATLAS South Asia Public Policy Challenge” by Centre for Public Policy Research (CPPR), Kochi in association with the ATLAS Network, USA under the theme “Navigating Policy Reforms for Minimum Government, Maximum Governance in the Disruptive Era.” **Dec 31, 2020.**

DEPARTMENT OF CHEMISTRY

Dr. Jabrinder Singh

1. Course on ‘Solid and Hazardous Waste Management’ by SWAYAM-NPTEL completed successfully through NTA exam.

Dr. Naveen Singhal

2. Refresher course in Organic Chemistry’ organized by Sathyabama –Deemed University, Chennai from **5-19 Oct. 2020.**

Dr. Arti Chaturvedi

3. Course on ‘Solid and Hazardous Waste Management’ by SWAYAM-NPTEL completed successfully through NTA exam.

DEPARTMENT OF EECE

Dr. Kuldeep Choudhary

1. Dr. Kuldeep Choudhary has participated in AICTE sponsored Quality Improvement Programme (QIP) short-term course on "Spectroscopy and Characterization of New Generation Materials" organized via online mode conducted by the Department of Chemistry & Department of Physics, Indian Institute of Technology Roorkee. **Dec 14- 18, 2020**

Dr. Dhruva Chaudhary

2. Dr. Kuldeep Choudhary has participated in AICTE sponsored Quality Improvement Programme (QIP) short-term course on "Spectroscopy and Characterization of New Generation Materials" organized via online mode conducted by the Department of Chemistry & Department of Physics, Indian Institute of Technology Roorkee. **Dec 14- 18, 2020**

Mr. Saurabh Mishra

3. Saurabh Mishra has participated in AICTE sponsored Quality Improvement Programme (QIP) short-term course on "Spectroscopy and Characterization of New Generation Materials" organized via online mode conducted by the Department of Chemistry & Department of Physics, Indian Institute of Technology Roorkee. **Dec 14- 18, 2020**

Dr. Nafees Ahmad

4. **Dr. Nafees Ahmad** has attended an AICTE Sponsored One week online short term training program on "**Advances in Electric Vehicles "Originated** by Department of Electrical & Electronics Engineering, RV College of Engineering, Bengaluru, India, **Dec 7-12, 2020.**
5. **Dr. Nafees Ahmad** has attended an AICTE Sponsored One week online short term training program on "**Advances in Electric Vehicles "Originated** by Department of Electrical & Electronics Engineering, RV College of Engineering, Bengaluru, India, **21-26 Dec 2020.**
6. **Dr. Nafees Ahmad** has attended a five days' faculty development program on "**Nascent Methodologies, Challenges and Realms of Research**" Originated by Department of Electronics and Communication Engineering, Delhi Technological University, Delhi, India, **3-7 Oct 2020.**
7. **Dr. Nafees Ahmad** has attended an eight Hours online course on **Optimization Problems and Algorithms** by Prof. Seyedali Mirjalili on Udemy, **1 Oct 2020.**

SCHOOL OF COMPUTING

Ruchi Sharma

1. Coursera: Image classification with CNN using keras on **19th Oct 2020.**
2. Participated in International Summit on Quality Indices in higher education -2020, held during 6-7 November, 2020 at Delhi Technological University and received certificate, **Nov 2020.**

Dr. Rakesh Kumar Saini

1. Received certificate of appreciation as a reviewer of 6th International Conference on Parallel, Distributed and Grid Computing (PDGC), IEEE (USA) conference record number-

50313, organized by Department of Computer Science & Engineering and Information Technology, Jaypee University of information Technology, Solan, Himanchal Pradesh, India during **6th - 8th Nov 2020**.

2. Received an appreciation certificate for outstanding service as a session chair of Springer International Conference on “Innovations in information and communication technologies (IICT-2020)” organized by ITS Ghaziabad, India during **7th - 8th Nov 2020**.
3. Appointed as a **Sah Pramukh Shaleya Prakalp** of BSM (Bhartiya Sikshak Mandal) of Uttarakhand State, **Oct 2020**.
4. Appointed as a member of **Vigyan Bharti Uttarakhand, Dec 2020**.

DEPARTMENT OF MATHEMATICS

Dr. Jogendra Kumar

1. Organized a webinar on National Mathematics Day 2020 on, “**Some Supercongruences Related to Truncated Hypergeometric Series**”, resource person Dr. Pramod Kumar Kewat, III(ISM) Dhanbad, Jharkhand.

DEPARTMENT OF PHARMACY

Dr. Ashok behera

1. Oral presentation: Behera an International conference on current scenario in advancements of pharmaceutical education & research: challenges & prospects SVCPCON-2020, **29th-31st Dec 2020**.