



Scholarly Activities Report



Scholarly Activities Report

July 2021 - September 2021

KEY STATISTICS													
Schools/Departments	Journal/Conference/Patents Publications at a glance: July 2021 - Sept 2021									Yearly Data Till Date (Cycle July 2021 - June 2022)			
	Journal Publications			Conference Publications			Patents			Journals	Confs	Patents	
	WOS	SCOPUS	Other	WOS	SCOPUS	Other	Published	Granted	Published			Granted	
SOC	5	3	-	-	4	1	7	-	8	5	7		
SOPPHI	5	-	-	-	-	-	2	-	5	-	2		
SOAD	-	-	-	-	-	-	-	-	-	-	-		
SOPS-Physics	-	1	-	-	-	1	2	-	1	1	2		
SOPS-Chemistry	1	-	1	-	-	-	-	-	2	-	-		
SOPS-Mathematics	1	-	-	-	-	-	-	-	1	-	-		
SOET-EECE	8	3	-	-	-	1	1	-	11	1	1		
SOET-ME	6	-	-	-	-	-	-	-	6	-	-		
SOET_CE	-	-	-	-	-	-	-	-	-	-	-		
SOET-PE	-	1	-	-	-	-	-	-	1	-	-		
SOLAM-Humanities	-	-	-	-	-	-	-	-	-	-	-		
SOLAM-Management	1	-	-	-	-	-	-	-	1	-	-		
Total	27	8	1	0	4	3	12	0	36	7	12	0	

I. ACTIVE SEED PROJECTS UNDERTAKEN AT DIT UNIVERSITY

SCHOOL OF ARCHITECTURE AND DESIGN

Dr. Aanchal Sharma

1. **Project title:** A comparative evaluation of roofing systems thermal performance in the composite climate of Dehradun, **PI:** Dr. Aanchal Sharma, **CO-PI:** Er. Harsh Goyal, **Funding Agency:** DIT University, Seed Money, **Amount Sanctioned:** 1.90 Lakhs, **Current Status:** On-Going, **Duration:** 1 Year, **Approx. Completion Date:** March 2022.

DEPARTMENT OF EECE

Dr. Amrindra Pal and Kuldeep Choudhary

2. **Project Title:** Design Development and Prototyping of Active Denial System for Indian Railways Unmanned Railway Crossings, **PI:** Amrindra Pal **Co-PI:** Kuldeep Chaudhary **Funding Agency:** DIT University, **Amount Sanctioned-**4.80 Lakhs (INR) **Status:** On going.

SCHOOL OF PHARMACEUTICAL & POPULATIONS HEALTH INFORMATICS

Dr. Havagiray R. Chitme

3. **Project Title:** Characterization of Proteins Expressed by Stressed Granulosa Cells, **PI:** Dr. Havagiray R. Chitme, **Funding agency:** DIT University, Seed Money, **Amount Sanctioned:** 1.72 Lakhs, **Current Status:** On-going, **Duration-**1 Year, **Approx. completion date:** March 2022.

Dr. Ashok Behra

4. **Project Title:** Synthesis, characterization and In-vitro evaluation of new 5FU-Octreotideconjugates for targeted chemotherapy, **PI:** Dr. Ashok Behra, **Funding agency:** DIT University, Seed Money, **Amount Sanctioned:** 2 Lakhs, **Current Status:** On-going, **Duration-**1 Year, **Approx. completion date:** March 2022.

DEPARTMENT OF PETROLEUM & ENERGY STUDIES

Mr. Rakesh Kumar Pandey

5. **Project Title:** Optimized Deep Learning Implementation for Improving the Performance of Upstream Petroleum Operations, **PI:** Mr. Rakesh Kumar Pandey,

Funding agency: DIT University, Seed Money, **Amount Sanctioned:** Supported by centralized GPU computing systems, **Current Status:** On-going, **Duration-**1 Year, **Approx. completion date:** March 2022.

II. ACTIVE EXTERNAL SPONSORED RESEARCH PROJECTS

SCHOOL OF ARCHITECTURE AND DESIGN

Dr. Aanchal Sharma

1. **Project title:** Thermo - physical evaluation of traditional and contemporary building envelope constructions for developing adaptive model for thermal comfort of naturally ventilated and mixed mode residential buildings, **PI:** Aanchal Sharma, **CO-PI:** Dr. Ashok Kumar, **Funding Agency:** TARE – DST SERB, **Amount Sanctioned:** Rs. 15 Lakhs, **Duration:** 3 years, **Currentstatus:-** on-going, **Approx. completiondate:-** March 2023.

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), **Amount Sanctioned:** - Rs. 18.30 Lakhs, **Duration:** - 3 year, **Current status:** - on-going, **Approx. completion date:** - Nov 2021.

SCHOOL OF PHARMACEUTICAL & POPULATIONS HEALTH INFORMATICS

Dr. Neeraj kr. Sethiya

3. **Project Title:** Scouting and Documentation of Grassroots Technological Innovations, Novel Agricultural Practices and Outstanding Traditional Knowledge from Remote Villages in Tehri Garhwal District, Uttarakhand, India. **PI:** Dr. Neeraj kr. Sethiya, **Funding Agency:** National Innovation Foundation-India, Department of Science and Technology, Govt. of India, **Amount Sanctioned:** - Rs. 3.58 Lakhs, **Duration:** - 1 Year, **Currentstatus:** -on-going, **Approx.completion date:** - March 2022.

Dr. Ashok Behera

- 4. Project Title:** Synthesis, Characterization and biological evaluation of smart novel nanotheranostic for cancer **PI:** Dr. Ashok Behera, **Funding Agency:** TARE-SERB, **Amount Sanctioned:** - Rs. 15 Lakhs, **Duration:** - 3 Year, **Current status:** - on-going, **Approx.completiondate:** - March 2023.

Dr. Havagiray R. Chitme

- 5. Project Title:** Key Biomarkers Differentially Expressed in Cumulus and Mural Cells of Polycystic Ovary Syndrome (PCOS) Patients, **PI:** Dr. Havagiray R. Chitme, **Funding Agency:** Bayer AG, Drug Discovery – Alliance Management, Germany - Focus Research, **Amount Sanctioned:** - 10,000 (Euro), **Duration:** - 2 Year, **Current status:** - on-going, **Approx. completion date:** - Jan 2022.

DEPARTMENT OF CHEMISTRY

Dr. Jabrinder Singh

- 6. 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 (DST) Govt. Of Uttarakhand, **Amount Sanctioned:** Rs. 4.05 Lakhs. **Duration:** 1 Year, **Approx. completion date** – June 2022.

III. SUBMITTED EXTERNAL SPONSORED RESEARCH PROJECTS (BETWEEN JULY 1-SEPTEMBER 30)

SCHOOL OF LIBERAL ARTS & MANAGEMENT (MANAGEMENT)

Dr. Pankaj Kumar

- 1. Project Title:** Participation of 'Youth Women' in Panchayati raj institutions (PRI): The case of the Dehradun district (Uttarakhand), **PI:** Dr. Pankaj Kumar, **Co-PI:** NA, **Funding Agency:** Indian Council Of Social Science Research, **Project Amount:** 4.35 Lacs, **Duration:** 12 Months, **Current Status:** Under Review.

IV. PUBLICATIONS

a) RESEARCH PAPERS (IN REFEREED JOURNALS) (BETWEEN JULY 1-SEPTEMBER 30)

DEPARTMENT OF EECE

Mr. S. Bhanu Prakash Dr. Gagan Singh & Dr. Sonika Singh

1. Prakash Saripalli B., Gagan Singh, Sonika Singh, "A Simplified Two Diode Photovoltaic Module: Modeling and Performance Analysis", *International Journal of Computing and Digital Systems*. ISSN 2210-142X, <http://journal.uob.edu.bh/handle/123456789/4485>, **[Indexed in Scopus]**, Aug 2021.

Dr. Nafees Ahamad and Dr. Gagan Singh

2. N. Ahamad, A. Sikander, G. Singh, "A Novel Reduction Approach for Linear System Approximation", *Circuits, Systems, and Signal Processing*, pp. 1-25, DOI: <https://doi.org/10.1007/s00034-021-01816-4>, **[Indexed in Web of Science]** [IF-2.225] Aug 2021.

Dr. Amrindra Pal

3. B. Karki, A. Pal, S. Sharma, "Analysis of All-Optical Priority Encoder using Plasmonics Waveguide" *Journal of Computational Electronics*, 20, 1884–1890 (2021) DOI: <https://doi.org/10.1007/s10825-021-01752-1>, **[Indexed in Web of Science]** [IF-1.807], Aug 2021.
4. B. Karki, S. Sharma, Y. Singh, A. Pal, "Sensitivity Enhancement of Surface Plasmon Resonance Biosensor with 2-D Franckeite nanosheets" *Plasmonic*, DOI: <https://doi.org/10.1007/s11468-021-01495-6>, **[Indexed in Web of Science]**, [IF-2.404], July 2021.

Ms. Anu Kumari & Dr. Amrindra Pal

5. A. Kumari, A. Pal, S. Sharma, "Design and simulation of half adder and half subtractor using lithium niobate-based waveguide" *Optoelectronics and Advanced Materials – Rapid Communication*, Vol. 15, No. 7-8, p. 314 – 324, <https://oam-rc.inoe.ro/articles/design-and-simulation-of-half-adder-and-half-subtractor-using-lithium-niobate-based-waveguide/> **[Indexed in Web of Science]**, [IF-0.441], July 2021.

6. **A. Kumari**, V. K. Srivastava, **A. Pal**, S. Sharma, "Design and Modeling of Multi-operation Bit-Manipulator Logic Circuit using Lithium Niobate Waveguides" *Journal of Optical Communications*, DOI: <https://doi.org/10.1515/joc-2021-0135>, **[Indexed in Scopus]**, Sep, 2021.

Ms. Bhawna Sharma & Dr. Amrindra Pal

7. **B. Sharma**, K. Kishor, **A. Pal**, S. Sharma, R. Makkar, "Design and Simulation of Ultra low loss Spiral Delay line for Integrated Optical Coherence Tomography", *Optical and Quantum Electronics* ISSN: 2191-6322, DOI: <https://doi.org/10.1007/s11082-021-03047-y>, **[Indexed in Web of Science]** [IF- 2.084], July 2021.

Ms. Padmini Nigam & Dr. Amrindra Pal

8. **P. Nigam**, A. Muduli, S. Sharma, **A. Pal**, "SIW Based Cavity Backed Self-Quadplexing Slot Antenna" *Journal of Microwaves, Optoelectronics and Electromagnetic Applications*, DOI: <https://doi.org/10.1590/2179-10742021v20i31213>, **[Indexed in Scopus]**, Sep. 2021.

Dr. Santosh Kumar

9. B. Kaur, **S. Kumar**, B. K. Kaushik, "2D Materials based Fiber Optic SPR Biosensor for Cancer Detection at 1550 nm," *IEEE Sensors Journal*, pp. 1-8. DOI: <https://doi.org/10.1109/JSEN.2021.3110967>. **[Indexed in Web of Science]**, [IF-3.073], Sept. 2021.
10. S. P. K. Anguluri, S. R. Banda, S. V. Krishna, S. Swarnakar, **S. Kumar**, "The design, analysis, and simulation of an optimized all-optical AND gate using a Y-shaped plasmonic waveguide for high-speed computing devices," *Journal of Computational Electronics*, Vol. 20, pp. 1892–1899, DOI: <https://doi.org/10.1007/s10825-021-01748-x>. **[Indexed in Web of Science]**, [IF-1.807], Aug. 2021.
11. S. Swarnakar, S. K. Reddy, R. Harijan, **S. Kumar**, "Design and modelling of all-optical NAND gate using metal-insulator-metal (MIM) waveguides-based Mach-Zehnder interferometers for high-speed information processing," *Optical and Quantum Electronics*, Vol. 53, p. 493, DOI: <https://doi.org/10.1007/s11082-021-03153-x>. **[Indexed in Web of Science]**, [IF-2.084], Aug. 2021.

DEPARTMENT OF MECHANICAL ENGINEERING

Mr. Rajeev Pandey and Dr. Manoj Kumar

12. **R. Pandey, M. Kumar**, “Efficiencies Assessment of an Indoor designed Solar Air Heater characterized by V Baffle Blocks having Racetrack Shaped Perforation Geometry”, *Sustainable Energy Technologies and Assessments*, Vol. 47, pp. 101362 (2021). DOI: <https://doi.org/10.1016/j.seta.2021.101362> [Indexed in Web of Science], [IF-5.353], Oct 2021.

13. **R. Pandey, J.S. Saini, M. Kumar**, “Experimental Study of Parametric influence on Heat transfer and Friction in a Rectangular duct having V-down baffle blocks with Staggered Racetrack-shaped openings”, *Experimental Heat Transfer*, DOI: [10.1080/08916152.2021.1951898](https://doi.org/10.1080/08916152.2021.1951898) [Indexed in Web of Science], [IF-4.058], July 2021.

Dr. Anil K. Patil and Dr. Manoj Kumar

14. **G. P. Srivastava, A. K. Patil, M. Kumar**, “Heat transfer enhancement and entropy generation analysis of a tube with perforated conical inserts,” *Experimental Heat Transfer*, DOI: [10.1080/08916152.2021.1958109](https://doi.org/10.1080/08916152.2021.1958109) [Indexed in Web of Science], [IF-4.058], August 2021.

Dr. Yogesh Kumar Tyagi

15. **K. Jha, Y. K. Tyagi, R. Kumar, S. Sharma, M. Roslim, M. Huzaifah, C. Li, R. A. Ilyas, S. P. Dwivedi, A. Saxena, A. Pramanik**, “Assessment of Dimensional Stability, Biodegradability, and Fracture Energy of Bio-Composites Reinforced with Novel Pine Cone,” *Polymers*, Vol. 13, pp. 3260, DOI: <https://doi.org/10.3390/polym13193260> [Indexed Web of Science], [IF: 4.493], Sept. 2021.

Dr. Anshuman Das

16. **A. Dey, K.M. Pandey, R.N. Rai, A. Khan, A. Das**, “Application potential of response surface method on electro discharge machining of aa6061–cenosphere amcs prepared by compo casting method,” *Surface Review and Letters*, Vol. 28, no. 7, pp. 1-18, DOI: <https://doi.org/10.1142/S0218625X21500566>, [Indexed in Web of Science], [IF: 1.152], July 2021.

17. **A. Das, M. Kamal, S.R. Das, S.K. Patel, A. Panda, M. Rafigi, B.B. Biswal**, “Comparative assessment between AlTiN and AlTiSiN coated carbide tools towards machinability improvement of AISI D6 steel in dry hard turning,” *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, pp. 1-24, DOI: <https://doi.org/10.1177/2F09544062211037373>, [Indexed in Web of Science], [IF: 1.762], August 2021.

SCHOOL OF LIBERAL ARTS & MANAGEMENT (MANAGEMENT)

Dr. Hemraj Verma, Dr. Garima Verma & Dr. Pankaj Kumar

18. H. Verma, G. Verma, P. Kumar, "Depression, Anxiety, and Stress During Times of COVID-19: An Analysis of Youngsters Studying in Higher Education in India", *Review of socionetwork strategies* (2021). <https://doi.org/10.1007/s12626-021-00089-2> [Indexed in Web of Science], September 2021.

DEPARTMENT OF MATHEMATICS

Dr. Sandeep Sharma

19. S. Sharma, "Modeling the role of information on the spread of online shopping," *Computational and Mathematical methods*, Vol. 3, no. 1, pp. e1182, ISSN 2577-7408, DOI: <https://doi.org/10.1002/cmm4.1182>. [Indexed in Web of Science], July 2021.

SCHOOL OF COMPUTING

Dr. Jyoti Rawat

20. I. Kumar, Jyoti Rawat, N. M. S. Husain, "Opportunities of Artificial Intelligence and Machine Learning in the Food Industry," *Journal of Food Quality*, vol. 2021, Article ID 4535567, 10 pages, 2021. DOI: <https://doi.org/10.1155/2021/4535567>. [Indexed in Web of Science], [IF: 2.4], July 2021.

Mr. Chirag Joshi & Dr. Ranjeet Kumar Ranjan

21. C. Joshi, R. K. Ranjan and V. Bharti, "A Fuzzy Logic based Feature Engineering Approach for Botnet Detection using ANN", in *Journal of King Saud University- Computer and Information Sciences*, ISSN: 1319-1578. Elsevier. <https://doi.org/10.1016/j.jksuci.2021.06.018>, [Indexed in Web of Science], [IF-13.473], July, 2021.
22. C. Joshi, R. K. Ranjan and V. Bharti, "ANN based Multi-Class classification of P2P Botnet" in *International Journal of Computing and Digital System* e-ISSN 2210 142X, <https://journal.uob.edu.bh/handle/123456789/4486> [Indexed in Scopus], July, 2021.

Dr. Garima Verma

23. G. Verma, N. Pathak, and N. Sharma, "A Secure Framework for Health Record Management Using Blockchain in Cloud Environment", *Journal of Physics-Conference*

Series, Vol. 1998, No. 1, p. 012019, IOP Publishing. DOI: <https://doi.org/10.1088/1742-6596/1998/1/012019> **[Indexed in Scopus]**, Aug, 2021.

Ms. Khushboo Jain

24. **K. Jain**, & A. Singh, “ An Empirical Cluster Head Selection and Data Aggregation Scheme for a Fault-Tolerant Sensor Network,” *International Journal of Distributed Systems and Technologies (IJ DST)*, 12(3), 27-47, <http://doi.org/10.4018/IJ DST.2021070102> **[Indexed in Web of Science]**, July 2021.
25. Agarwal, A., **K. Jain**, & Dev, A. (2021). Modeling and Analysis of Data Prediction Technique Based on Linear Regression Model (DP-LRM) for Cluster-Based Sensor Networks. *International Journal of Ambient Computing and Intelligence (IJACI)*, 12(4), 98-117. <http://doi.org/10.4018/IJACI.2021100106>, **[Indexed in Scopus]**, Aug 2021.
26. Singh, A., **K. Jain**, “An efficient secure key establishment method in cluster-based sensor network,” *Telecommun Syst* (2021). <https://doi.org/10.1007/s11235-021-00844-4>, **[Indexed in Web of Science]** [IF-2.314], Sept 2021.
27. Raghuvanshi, K. K., Agarwal, A., **Jain, K.**, & Singh, V. B. (2021), ‘A generalized prediction model for improving software reliability using time-series modelling’ *International Journal of System Assurance Engineering and Management*, 1-12. <https://doi.org/10.1007/s13198-021-01449-5>, **[Indexed in Web of Science]**, Sept 2021.

DEPARTMENT OF PETROLEUM & ENERGY STUDIES

Mr. Rakesh K. Pandey & Dr. Anil Kumar Dahiya

28. **R. K. Pandey**, **A. Kumar**, A. Mandal, “A robust deep structured prediction model for petroleum reservoir characterization using pressure transient test data”, *Petroleum Research*, ISSN 2096-2495, DOI: <https://doi.org/10.1016/j.ptlrs.2021.09.003> **[Indexed in Scopus]**, Sept. 2021.

SCHOOL OF PHARMACEUTICAL & POPULATION HEALTH INFORMATICS

Dr. Bhavna Kumar, Dr. Vijay Singh Rana, Dr. Neeraj Kumar Sethiya

29. M. Varshney, **B. Kumar**, **V. S. Rana**, **N. K. Sethiya**, “An Overview on Therapeutic and Medicinal Potential of Poly-hydroxy Flavone viz. Heptamethoxyflavone, Kaempferitrin, Vitexin and Amentoflavone for Management of Alzheimer's and Parkinson's Diseases: A critical analysis on mechanistic insight,” *Critical Reviews in Food Science and Nutrition*

(Online) DOI: <https://doi.org/10.1080/10408398.2021.1980761> (IF: 11.17). **[Indexed in Web of Science]**, Sept 2021.

Mr. Rahul Tiwari & Dr. Neeraj Kumar Sethiya

30. R. Tiwari, N.K. Sethiya, A.S. Gulbake, N.K. Mehra, U.S.N. Murty, A. Gulbake, “A review on albumin as a biomaterial for ocular drug delivery,” *International Journal of Biological Macromolecules*, Vol. 191, pp. 591-599. DOI: <https://doi.org/10.1016/j.ijbiomac.2021.09.112> **[Indexed in Web of Science]**, [IF-6.95], Sept. 2021.

Ms. Ritu Tomar & Dr. Mandeep Kumar Arora

31. A. Garg, V. Gupta, R. Tomar, M.K. Arora, “Experimental models for vascular endothelial dysfunction”, *Bangladesh Journal of Pharmacology*, Vol. 16, no. 3pp 65–83, ISSN 1991-0088, DOI: <https://doi.org/10.3329/bjp.v16i3.52948> **[Indexed in Web of Science]**, [IF-0.93], July 2021.

Dr. Mandeep Kumar Arora, Ms. Ritu Tomar & Dr. Jagannath Sahoo

32. M.K Arora, P. Grover, S.M.B Asdaq, L. Mehta, R. Tomar, M. Imran, A. Pathak, A. Jangra, J. Sahoo, A.S. Alamri, W. F. Alsanie, M. Alhomrani, “Potential Role of Nicotinamide Analogues Against SARs-CoV-2 Target Proteins”. *Saudi J Biol Sci*. ISSN: 1319-562X, DOI: <https://doi.org/10.1016/j.sjbs.2021.09.072>. **[Indexed in Web of Science]**, [IF-4.21], Sep 2021.

Dr. Mandeep Kumar Arora

33. M. Imran, Kumar M.K Arora, S.M.B Asdaq, S.A. Khan, S.I. Alaqel, M.K. Alshammari, M.M. Alshehri, A.S. Alshrari, A.M. Ali A, A.M. Al-Shammeri, B.D. Alhazmi, A.A. Harshan, M.T. Alam, Abida. “Discovery, Development, and Patent Trends on Molnupiravir: A Prospective Oral Treatment for COVID-19”. *Molecules*. Vol. 26, no. 19, PP. 5795, ISSN: 1420-3049, DOI: <https://doi.org/10.3390/molecules26195795>. **[Indexed in Web of Science]**, [IF-4.41], Sep 2021.

DEPARTMENT OF CHEMISTRY

Dr. Naveen Singhal

34. S. Singhal, S. Agarwal, M. P. Mudoi, N. Singhal, R. Singh, “Chemical conversion of furan dicarboxylic acid to environmentally benign polyesters: an overview,” *Biomass conversion and Biorefinery*, 2021, 021-01871-6, DOI: <https://doi.org/10.1007/s13399-021-01928-6>, **[Indexed in Web of Science]**, (IF- 4.151), August 2021.
35. S. Singhal, S. Agarwal, K. Bahukhandi, N. Singhal, “Face masks: Benefits and hitches amidst Covid-19 pandemic,” *Der Pharma Chemica*, 2021, Vol. 13(7): issue 9, 14-22, ISSN: 0975-413X, Link: <https://www.derpharmachemica.com/archive/dpc-volume-13-issue-7-year-2021.html>, July 2021.

DEPARTMENT OF PHYSICS

Mr. Aditya Goyal, Mr. Prayas Singh & Dr. Ravi Kumar Shukla

36. **A. Goyal, P. Singh, P. Chamoli, K. K. Raina, R. K. Shukla**, “Eco-friendly Biowaste-based natural surfactant for lyotropic assemblies and Bio-adsorbent for dye removal”, Vol. 133, 108871 in press, DOI: <https://doi.org/10.1016/j.inoche.2021.108871>. **[Indexed in Scopus]**, [IF 2.495], Aug. 2021.

b) BOOKS (AUTHORED/ EDITED) (BETWEEN JULY 1-SEPTEMBER 30)

Nil

c) BOOK CHAPTERS (BETWEEN JULY 1-SEPTEMBER 30)

DEPARTMENT OF MATHEMATICS

Dr. Rakesh Mohan & Dr. Jogendra Kumar

1. R. Mohan, J. Kumar, “An exponential Fourier series for the multi-variable I-Function and a general class of polynomials”, in *Advances in Mathematical Sciences and Research Applications*, Vol. 01, pp: 68-75, Rubicon Publications, London (ISSN: 978-1-913482-52-7). <https://orcid.org/0000-0001-7553-4734> **August 2021**.

Dr. Pooja Swaroop Saxena

2. **P. S. Saxena**, “A Study on Zermelo Navigation Problem,” *Turkish Journal of Computer and Mathematics Education (TURCOMAT)*, e-ISSN: 1309-4653, Vol.12, No. 14 (2021), pp 1607-1613, <https://turcomat.org/index.php/turkbilmata/article/download/10483/7899/18668> **[Indexed in Scopus]**. 2021.

SCHOOL OF LIBERAL ARTS & MANAGEMENT (MANAGEMENT)

Dr. Preeti Sharma

3. **Dr. Preeti Sharma**, Guest Editor, Special Issue: Sustainable Development and Social Innovation in Business, International Journal of Technology Transfer and Commercialisation, Vol. 18, No. 1, 2021, <https://www.inderscience.com/info/inarticletoc.phpjcode=ijttc&year=2021&vol=18&issue=1> **[Indexed in Scopus]**
4. **Dr. Preeti Sharma**, Guest Editor, Special Issue: Innovation in Markets and its Capitalisation in the Digital Scenario, World Review of Entrepreneurship, Management and Sustainable Development, Vol. 17, Nos. 2/3, 2021, <https://www.inderscience.com/info/inarticletoc.phpjcode=wremsd&year=2021&vol=17&issue=2/3> **[Indexed in Scopus]**

SCHOOL OF LIBERAL ARTS & MANAGEMENT (HUMANITIES)

Ram Kumar Gupta

5. R.K. Gupta, S. Bhatt, J. Harnal, “Yogic Management of Stress and Personality Evolvement in Perspective of World Peace”, in *Yoga & World Peace*, **[Accepted]**, July 2021.

DEPARTMENT OF EECE

Mr. S. Bhanu Prakash and Dr. Gagan Singh

6. **S. B. Prakash, G. Singh**, “Bidirectional Buck-Boost Converter in Solar PV system for Supercapacitor Energy Storage System”, In: Dawn S., Das K.N., Mallipeddi R., Acharjya D.P. (eds) *Smart and Intelligent Systems. Algorithms for Intelligent Systems*. Springer, Singapore. DOI: https://doi.org/10.1007/978-981-16-2109-3_13, Aug 2021.
7. **S. B. Prakash, G. Singh**, “Development of Comprehensive Modelling and Simulation of Photovoltaic Module”, In: Dawn S., Das K.N., Mallipeddi R., Acharjya D.P. (eds) *Smart and Intelligent Systems. Algorithms for Intelligent Systems*. Springer, Singapore. DOI: https://doi.org/10.1007/978-981-16-2109-3_32, Aug 2021.

Dr. Brajlata Chauhan

8. **B. Chauhan, S. Vijay**, “Antenna miniaturization for IoT applications” Next Generation Antennas: Advancement and Challenges, in *John Wiley & Sons, Technology &*

Engineering – Online, DOI: <https://doi.org/10.1002/9781119792765>,
ISBN:9781119792765, ch6, pg. 105-117, July 2021.

Dr. Brajlata Chauhan and Amrindra Pal

9. **B. Chauhan, A. Pal**, V. K. Srivastava, Sandip Vijay, “Conformal wearable antenna design, implementation and challenges” in *Next Generation Antennas: Advancement and Challenges*, John Wiley & Sons, Technology & Engineering Online DOI: <https://doi.org/10.1002/9781119792765>, ISBN:9781119792765, ch4, pg. 61-89, July 2021.

SCHOOL OF COMPUTING

Dr. Arshad Husain

10. **A. Husain**, R.C. Vaishya ,“Ground Point Filtering and Digital Terrain Model Generation using Lidar Data”, in *Trust Security and Big Data*, CRC press,Taylor and Francis, September 2020 (Accepted).

Mr. Naveen Kumar

11. **N. Kumar**, S.K. Yadav, D.S. Yadav “An Approach for Documents Clustering Using K-Means Algorithm”, *Innovations in Information and Communication Technologies*, Springer Nature, DOI: https://doi.org/10.1007/978-3-030-66218-9_54. [Indexed in Scopus], July 2021.

Dr. Garima Verma

12. R. Jeet, M. Shabaz, **G. Verma** and V. K. Nassa, Published book chapter-2 titled “A Novel Neuro-Fuzzy System-Based Autism Spectrum Disorder”, published by IGI Global, , DOI: <https://doi.org/10.4018/978-1-7998-7460-7.ch002>, July 2021.

Dr. Rakesh Kumar Saini & Dr. Bharti Sharma

13. **R. K. Saini, B. Sharma**, “Internet of Things Enabled Wireless Sensor Network”, in *Internet of Agriculture 4.0*, CRC Press USA, Hard ISBN: 9781774630020, E-Book ISBN: 9781003161097, Sept.2021.

Dr. Neeraj Kumar Pandey

14. **N. K. Pandey**, A. Kumar “New Frontiers in Managing and Controlling Industrial Processes through IoT” *Published in the book titled Smart “IoT for Research and Industry*, by Springer Nature, July 2021 eISBN 978-3-030-71485-7, DOI: [10.1007/978-3-030-71485-7_3](https://doi.org/10.1007/978-3-030-71485-7_3) ISSN 2522-8595 2021, [Indexed in SCOPUS]. Sept 2021.

Mr. Saurabh Kumar

15. D. Prasad, S. Kumar, V. Bharti, “An enhanced ENCIPHER to encrypt large text & image using basic arithmetic and logic operation with substitution-transposition”, *Recent Trends in Communication and Electronics*, CRC Press, Taylor & Francis group, DOI: <https://doi.org/10.1201/9781003193838>.

d) CONFERENCE/SYMPOSIUM/WORKSHOP PROCEEDINGS (BETWEEN JULY 1-SEPTEMBER 30)

DEPARTMENT OF EECE

Mr. S. Bhanu Prakash, Dr. Sonika Singh and Dr. Gagan Singh

1. S. B. Prakash, G. Singh, S. Singh, “Cell Modelling and Analysis of Five Parameter Three-Diode Photovoltaic Module”, in *IEEE International Conference on Computing, Power, and Communication Technologies (IEEE IAS GUCON 2021)* Kuala Lumpur, Malaysia. **24-26 September 2021.**

SCHOOL OF COMPUTING

Dr Ranjeet Kumar Ranjan

2. P. Agarwal, A. Husain and R. K. Ranjan, “pole like object detection using PCA from Lidar Dataset,” in 1st international conference on applied mathematics, modelling and simulation in engineering (AMSE 2021), Hyderabad, **[Indexed in Scopus], Sept 2021.**

Dr. Pradeep Singh Rawat

3. P.S. Rawat, R.S. Bhadoria, P. Gupta, “Comparative Study of the Virtual Machine Scheduling Approaches in Cloud Environment,” *Smart Systems: Innovations in Computing. Smart Innovation, Systems and Technologies*, vol. 235. Springer, Singapore. https://doi.org/10.1007/978-981-16-2877-1_37. **[Indexed in Scopus], Sept 2021.**

Dr. Neeraj Kumar Pandey

4. Y. Sharma, Neeraj Kumar Pandey, “MAC Based Security Integration using Face Recognition in Cloud Environment” 1st International Conference on *Applied Mathematics, Modeling and Simulation in Engineering* (AMSE-2021) organized by Stanley College of Engineering and Technology for Women Hyderabad, Telangana on 15th & 16th of Sept, 2021 **[Indexed in Scopus], Sept 2021.**

Mrs. Moumita Ghosh

5. M. Ghosh, R. Sushil, K. Ghosh, “A Radio Model for Precise Estimation of Lifetime for Wireless Sensor Network”, in 9th *International Conference on Reliability, Infocom Technologies and Optimization (IEEE ICRITO)*, Noida, India, **[Indexed in Scopus], Sep 2021.**

DEPARTMENT OF PHYSICS

Dr. Natasha Awasthi, Dr. Dheeraj Kumar Joshi, & Dr. Dr. Surbhi Sachdev

6. **N Awasthi, D.K Joshi, S. Sachdev** “Investigating Effect of Universal Quantum Uncertainty Relation of Fermionic Model with non-ergodicity”, on 8th International Virtual Congress 2021, MP India, ISBN: 978-93-89817-52-2, 5-10 **August 2021**.

DEPARTMENT OF PETROLEUM & ENERGY STUDIES

Rakesh K. Pandey & Rahul Ganju

7. **R. K. Pandey, A. Kumar, R. Ganju**, “Sequential Modeling for Automatic Interpretation of Pressure Transient Test,” in *IEEE 9th International Conference on Reliability Infocom Technologies and Optimization*, Noida, India, **Sept. 2021**.

e) ATTENDED CONFERENCE/SYMPOSIUM/WORKSHOP AND INVITED TALKS (BETWEEN JULY 1-SEPTEMBER 30)

SCHOOL OF ARCHITECTURE AND DESIGN

Prof. Chhabi Mishra

1. Prof. Chhabi conducted a webinar on Career options and highlights of Architecture on **Sept. 13th, 2021**.
2. Prof. Chhabi conducted a webinar on Career options and highlights of Masters of Urban and Regional Planning, **Sept 14th, 2021**.
3. Prof. Chhabi conducted a webinar on Career Options and highlights of B.Des ID, B.Des UX/UI, M.Des UX/UI and B.Des VGA on **Sept 15th 2021**.
4. Prof Chhabi was a speaker at the inaugural of the “Five Days Capacity Building e-Workshop for Students of Architecture on Building Energy Performance Simulation” on **Sept 14th, 2021**.
5. Prof Chhabi attended a webinar on “Udaipur Water Supply Management: Issues and Challenges” on **Sept 20, 2021 4:00 PM to 5:00 PM**
6. Prof. Chhabi was an invited guest speaker at a webinar on “Bulandshahar Legacy- Jal Jeevan” held on **Aug 27th, 2021** between 2:30 PM to 4:00 PM and E-Release of issue brief on 'Fostering Resource Circularity and Efficiency in the Management of Urban Water Systems in India'.

7. Prof. Chhabi attend the Lecture of eminent architect Rahul Mehrotra, RMA “Working in Mumbai” on **Aug 20th, 2021**, organized by Prakriti Foundation.
8. Prof. Chhabi attended a webinar on “Biodiversity means Transition: Transitioning the policy pathway towards “greening” of post-COVID economic recovery of India” on **12th August, 2021**. The event was by organised by Tara (DA) as part of the Biodiversity Means LIFE Campaign.
9. Prof. Chhabi was an invited panellist for Info Edge Centre for Entrepreneurship at Ashoka University on “Strengthening the Entrepreneurial Skilling Ecosystem for LGBTI+ On the occasion of World Youth Skills Day” on **July 15th, 2021**.

Ar. Jitendra Kumar Sarohi

10. Attended one day online FDP on **Research in Design Fields** on **20th July 2021** at School of Architecture & Design.
11. Attended one day National Symposium on **Implications of NEP 2020 in Architecture & Design Education** as moderator on **22nd July 2021** at School of Architecture & Design.

Ar. Upendra Vinay Joshi

12. Participated & completed successfully **AICTE Training and Learning (ATAL) Academy Online Elementary FDP on “Pedagogical Process in Architecture – An Orientation for Young Teaching Fraternity”** from July 12, 2021 to 16 July 2021 at School of Planning and Architecture, Vijayawada.

Ar. Vedangi Deshpande

13. Attended E-SYMPOSIUM on INTANGIBLE CULTURAL HERITAGE for sustainable management of HISTORIC TOWNS in South Asia: Theory to Practice held between **19 June – 31 July ‘2021**
14. Participated & completed successfully **AICTE Training and Learning (ATAL) Academy Online Elementary FDP on “Pedagogical Process in Architecture – An Orientation for Young Teaching Fraternity”** from **2021-July-12 to 2021- July 16** at School of Planning and Architecture, Vijayawada.
15. Presented in National Conference on “**Water Heritage of India**”, India, **27th, 28th August 2021**.

Ar. Ankita Gaur

16. Attended one day online FDP on **Research in Design Fields** on **20th July 2021** at School of Architecture & Design.
17. Attended one day National Symposium on **Implications of NEP 2020 in Architecture & Design Education** as moderator on **22nd July 2021** at School of Architecture & Design.

18. Attended E-SYMPOSIUM on INTANGIBLE CULTURAL HERITAGE for sustainable management of HISTORIC TOWNS in South Asia: Theory to Practice held between **19 June – 31 July '2021**
19. Participated & completed successfully **AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Pedagogical Process in Architecture – An Orientation for Young Teaching Fraternity"** from **12 July 2021 to 16 July 2021** at School of Planning and Architecture, Vijayawada.
20. Attended Online Public Symposium on “No city for Women” on **27th September 2021** organised by French Institute in India.

SCHOOL OF LIBERAL ARTS & MANAGEMENT (MANAGEMENT)

Dr. Vijay Kumar Jain & Anu Gupta

1. **Dr. Vijay Kumar Jain and Anu Gupta**, presented research paper titled “Embracing minimalism as a way of life: An Interpretive Structural Modeling Approach” in 5th National Conference Organized by IPER Bhopal on **31st July 2021**.

Dr. Sonika Munjal

2. **Dr. Sonia Munjal** attended an online expert talk on “PhD Research Guidance: Framework of Dimensions” organized by Gujranwala Guru Nanak Institute of Management & Technology, Ludhiana on 9th July 2021.
3. **Dr. Sonia Munjal** attended Six days Faculty Development Program on “Data Driven Decision Making” organized by NIT Calicut, Kozhikode on 3rd to 8th August 2021

Dr. Preeti Sharma

4. **Dr. Preeti Sharma** delivered a guest lecture on “Auditing and Corporate Governance” in Commerce Lecture E-Series organized by R.C.U. Govt PG College Uttarkashi on **30th July 2021**.

Dr. Pankaj Kumar

5. **Dr. Pankaj Kumar (2021)** attended Faculty Development program titled “Practice Managers for Industry 4.0” conducted by IIM Sirmaur (ATAL Academy) in 26th to 30th August 2021
6. **Dr. Pankaj Kumar (2021)** attended Faculty Development program titled “Teaching and Research methods” conducted by IIM Jammu (ATAL Academy) in 2nd Aug to 6th Aug 2021.

Dr. Vijay Kumar Jain

7. **Dr. Vijay Kumar Jain** attended Online FDP on “Digital and Social Media Marketing” Organized by Indian Institute of Management (IIM) Vishakhapatnam from 20th to 23rd September 2021.

DEPARTMENT OF MATHEMATICS

Dr. Pooja S Saxena

5. **Dr. Pooja S Saxena** attended Webinar on “Recent Advances in Mathematical Sciences-NWRAMS-2021” from 29th to 30th September, 2021.
6. **Dr. Pooja S Saxena** attended Faculty Development Programme on “Advanced Linear Algebra” from 27th September to 1st October, 2021

Dr. Shilpi Singhal

5. **Dr. Shilpi Singhal** attended Online Elementary FDP on “Mathematical Tools and Recent Advances in Applied Mathematics (MTRAAM)” from 16-20 Aug '21 conducted by Madan Mohan Malviya University of Technology through AICTE Training and Learning (ATAL) Academy.

Dr. Jogendra Kumar

6. **Dr. Jogendra Kumar** Successfully completed two-weeks online “Refresher Course in Mathematics” organized by the Department of Mathematics and Teaching Learning Centre, Ramanujan College, University of Delhi, during 31 August – 14 September, 2021.
7. **Dr. Jogendra Kumar** Successfully completed two-weeks online Faculty Development Program on “Developing Online Courses for SWAYAM” organized by School of Computing & IT and Online Program Cell, Uttarakhand Open University in collaboration with Commonwealth Educational Media Centre for Asia (CEMCA), New Delhi during 14-28 September, 2021.

DEPARTMENT OF CIVIL ENGINEERING

Dr. Rana Acharyya

1. **Dr. Rana Acharyya** attended webinar on "Economical and Environmental Friendly Retaining Walls" Maccaferri Environmental Solutions Pvt. Ltd on 16th July 2021.
2. **Dr. Rana Acharyya** attended webinar on “Design Approach for Gabion Walls” Organized by Maccaferri Environmental Solutions Pvt. Ltd on 21th July 2021.

3. **Dr. Rana Acharyya** attended webinar on “Liquefaction Risk Management” Organized by IGS Surat Chapter in association with IGS Student Chapter SVNIT on **29th August 2021**.

DEPARTMENT OF EECE

Dr. Sonika Singh

1. **Dr. Sonika Singh:** Attended two days’ workshop on Outcome based education, DIT University, Dehradun on 6th – 7th **August, 2021**
2. **Dr. Sonika Singh:** Attended Uttarakhand Start-Up Summit organised at Hotel Pacific, Dehradun on 22nd **Sept’2021**.

Dr. Gagan Singh

3. **Dr. Gagan Singh:** Attended Uttarakhand Start-Up Summit organised at Hotel Pacific, Dehradun on 22nd Sept’2021.

Dr. Santosh Kumar

4. Delivered a Tutorial talk in International Conference IEEE CONECCT 2021 held at Bangalore, India during **9th-11th July 2021**.
5. Delivered an Invited talk in Nanotechnology Chapter Induction held at IIT Patna, India on **06th August 2021**.
6. Appointed as an Associate Editor of OSA Biomedical Optics Express in August 2021.
7. Reviewed 110 International SCI Journals of IEEE, Elsevier, OSA, SPIE, Nature, etc, during **July – Sept., 2021**. <https://publons.com/researcher/1235205/santosh-kumar/metrics/>

Dr. Gaurav Dhiman

8. **Dr. Gaurav Dhiman** has successfully completed the Online Faculty Induction Programme (FIP) organized by Teaching Learning Centre, Tezpur university during 03 August-02 September 2021 under PMMMNMTT Scheme of Ministry of Education, Government of India.
9. **Dr. Gaurav Dhiman** has successfully completed the Online AICTE training and learning (ATAL) academy Online FDP on Machine Learning techniques in VLSI design from 26 July to 30 July 2021 at MS Ramaiah Institute of Technology.

Dr. Nafees Ahamad

10. **Dr. Nafees Ahamad:** Attended an International Conference on Smart Energy and Advancement in Power Technologies (ICSEAPT-21), NIT Jamshedpur, India. **Sep 6-8, 2021.**

Mr. S. Bhanu Prakash

11. **Mr. S Bhanu Prakash** Attended 2021 IEEE INTERNATIONAL CONFERENCE ON COMPUTING, POWER AND COMMUNICATION TECHNOLOGIES (GUCON 2021) Kuala Lumpur, Malaysia. on **September 24-26, 2021.**
12. **Mr. S Bhanu Prakash** Attended expert talk on Hybrid and Electric Vehicle Technology Overview, IUCEE Ganpat University on 5th **August, 2021.**
13. **Mr. S Bhanu Prakash** Attended two days' workshop on Outcome based education, DIT University, Dehradun on 6th – 7th **August, 2021**
14. **Mr. S Bhanu Prakash** Attended one-week FDP and International workshop NTFCEP-2021 Department of Chemistry, DIT University, Dehradun, on 26th – 31st **July, 2021**
15. **Mr. S Bhanu Prakash** Attended webinar on Session 2: Journal Citation Reports (JCR) 2021 Overview on 13th **July, 2021.**

SCHOOL OF PHARMACEUTICAL & POPULATIONS HEALTH INFORMATICS

Dr. Uddipak Rai

1. **Dr. Uddipak Rai** attended staff development program on “**Good Laboratory Practice**” from 26-30 **July 2021** organised by School of Pharmaceutical and Population Health Informatics, DIT University, Dehradun.

Dr. Rajeev Kr. Sharma

2. **Dr. Rajeev Kr. Sharma** attended National Conference as Resource person entitled **Emerging role of Advanced Analytical Techniques in Pharmacy** held on 17th **August 2021** which was organized by Department of Pharmacy SDBIT, Dehradun.

Dr. Neeraj Kr. Sethiya

3. **Dr. Neeraj Kr. Sethiya** delivered invited talk on "**Applications of HPTLC in Herbal Drug Analysis**" on date 12/08/2021 in five days Faculty Development Program on "**Analytical Training on Sophisticated Instruments**" organized by Faculty of

Pharmacy (B.R. Nahata College of Pharmacy), Mandsaur University (Under Sophisticated Instrumentation Facility, Mandsaur University, Mandsaur, MP) **August 2021.**

4. **Dr. Neeraj Kr. Sethiya** delivered invited talk entitled as “**Understanding Innovation, Startup and Entrepreneurship in Pharmacy Education**” at United College of Pharmacy, Coimbatore on 28th **July 2021.**
5. **Dr. Neeraj Kr. Sethiya** delivered talk entitled as “**Acceleration opportunities for the students and faculties: early stage entrepreneur**” at Modern Institute of Pharmaceutical Sciences, Indore on 18th **August 2021.**
6. **Dr. Neeraj Kr. Sethiya** completed online Faculty Development Programme on “**Best Practices in Innovation, Entrepreneurship and Intellectual Property Rights in Pharmaceutical Sector: Prospective Trends**” from July 5 - 9, 2021 (During Summer Vacations) organised by Amity Academic Staff College in Association with Amity Institute of Pharmacy, Amity University Uttar Pradesh, Noida Campus.

DEPARTMENT OF MECHANICAL ENGINEERING

Mr. Rajeev Pandey and Dr. Manoj Kumar

1. **R. Pandey, M. Kumar, J. S. Saini**, “Thermal performance evaluation of an Indoor designed Solar air heater having Racetrack-shaped perforated V-down baffle blocks with Staggered holes – An Experimental Study”, SOLARIS-2021, 29th **September 2021.**

Mr. Ravi Kumar, Dr. Anil K. Patil & Dr. Manoj Kumar

2. **R. Kumar, A. K. Patil, M. Kumar**, “Capacity factor of thermal energy storage system with multiple passages,” SOLARIS-2021, 29th **September 2021.**

SCHOOL OF COMPUTING

Naveen Kumar

1. Attended AICTE sponsored Quality Improvement Programme (QIP) short-term course on “Cyber Security and Cryptography ” organized via online mode during 27-09-2021 to 01-10-2021 by the Department of Computer Science and Engineering, **Indian Institute of Technology Roorkee. Sept 2021.**

Dr. Anurag Aeron

2. **Dr. Anurag Aeron** successfully completed “**Innovation Ambassador training (Advanced Level)**” conducted by **MoE's Innovation Cell & AICTE** during the period from 30th June - **30th July 2021** (online mode).
3. **Dr. Anurag Aeron** successfully completed the online certificate course on “**Innovation, IPR, Start-up and Entrepreneurship (CIISE)**” organised by **IQAC Hansraj College, University of Delhi** from 10th July to 17th September 2021. He also got the Certificate of appreciation for outstanding performance during the course.
4. **Dr. Anurag Aeron** successfully done the AICTE Training And Learning (ATAL) Academy **Online Elementary FDP on "Cryptocurrency and Blockchain Technology"** from 16/08/2021 to 20/08/2021 at **Punjab Engineering College**.
5. **Dr. Anurag Aeron** successfully completed the *Inspiring faculty Program* by Harappa Education- “**Speaking Effectively, Leading Self, Establishing Trust and Building Presence**”; comprise of a total 35 hrs. Duration training program from 28th June 2021 to **30th July 2021**.

Mr Anuj Kumar Yadav

6. One Week ONLINE Faculty Development Program(FDP) on “**Advance Cyber Security & Forensics**”, organized by E & ICT Academy IIT Kanpur, from **July 26-31, 2021**.
7. Two Week International FDP on “**The Era of Change - Recent Advancements of Machine Learning in terms of AI & IoT**”, organized by SRMIST, Chennai, from **July 12-25, 2021**.

Dr. Anil Kumar Dahiya

8. Key Note Speaker in IEEE conference 9th International Conference on Reliability, Infocom Technologies and Optimization (ICRITO), on 4th **September, 2021**.
9. Distinguish Speaker in five day FDP on IOT Innovation and Implication for IT Environment from 23rd to 27th **August, 2021** [Amity University Noida]
10. Distinguish Speaker in five day FDP Recent Trends in Research Special Reference to Data Science, Machine Learning and Explainable Artificial Intelligence” from 16th to **20th August 2021** [Amity University Noida]

Dr. Ranjeet Kumar Ranjan

11. Completed Online training “**Harappa Education- Inspiring Faculty Program**” consisting of 4 online courses: **Speaking Effectively, Leading Self, Establishing Trust and Building Presence**) for 4 weeks from 6th July- **30th July, 2021**.

12. Technical Session Chair for IEEE IAS 4th International Conference on Computing, Power and Communication Technologies (GUCON) 2021 held online at Galgotias University, Greater Noida from 24th to 26th **Sept 2021**.

Dr. Priyanka Dahiya

13. Attended a 5-week Teacher's Training by Harappa from 28th June'2021-28 July 2021 with orientation session and Graduation session on 18th **August 2021**.

Dr. Rakesh Kumar Saini

14. **Dr. Rakesh Kumar Saini** chaired a session of International Conference on Emerging technologies for computing, communication and smart cities(ETCCS-21) organized by Baba farid college of engineering & Technology, Bathinda, Punjab, India during **21-22th August, 2021**.
15. **Dr. Rakesh Kumar Saini** attended one Weak QIP Short Term Course from **30th Aug 2021 to 3rd Sep 2021** on "Internet of things", organized by Quality Improvement Program Center at **IIT Roorkee**.

Ms. Ena Jain

16. **Ena Jain** has attended a two-week online Faculty Development Programme on "Digital Tools for Writing, Authoring and Reviewing Manuscripts" jointly organised by IIT Guwahati ,NIT Patna, NIT Jaipur, IIT Kanpur ,IIT Jabalpur and IIT Roorkee during **12 July to 23 July**.

Ms. Khushboo Jain

17. Successfully Completed "Online Faculty Induction Programme (FIP)" organized by Teaching Learning Centre, Tezpur University during **03 August-02 September 2021 under PMMMNMTT Scheme of Ministry of Education, Government of India**.
18. Reviewed a technical paper on "User Interface Code Coverage with Black Box Testing Tools: An Experimental Analysis" for International Journal of Communication System (IJCS), Springer on **19th August 2021**.

Dr. Pradeep Singh Rawat

19. Pradeep Singh Rawat, has participated as an expert speaker in the 2-week Summer School on Industry 4.0: Security and Technological Aspects (SSIST'2021), technically sponsored by IEEE UP Section (India), organized by the Department of Computer Science and Engineering of Jaypee Institute of Information Technology, Noida from **9th August to 21st August 2021**.

Dr. Neeraj Kumar Pandey

20. Chaired Session in the "1st IEEE International Conference on Simulation, Automation and Smart Manufacturing (SASM 2021)" organized by GLA University Mathura UP on **August 20-21, 2021**.

21. Delivered session in FDP on “Machine Learning for Data Science Applications” organized by Department of Computer Science and Engineering, Uttarakhand University Dehradun Uttarakhand on **July 15, 2021**.

Mr. Sisir Kumar Jena

22. **Sisir Kumar Jena**, Invited as a speaker for a National Webinar on “Improving the Potential of IoT (Internet of Things) through fog/edge computing” held on **13 August 2021** at 11.30 A.M. organized by the Under Graduate Department of Computer Science of PRANANATH COLLEGE (AUTONOMOUS) KHORDHA (Odisha).
23. **Sisir Kumar Jena**, Invited as a speaker, 2nd International Webinar on “Big Data Analytics and Data Science” held during September 06 July, 2021. Topic: “Cloud to Fog/Edge Transition to improve the IoT Potential”.

Dr. Narendra Kumar

24. Reviewed a Paper “Application of IoT in Agriculture” IEEE 9th International Conference on Reliability, Infocom Technologies and Optimization (ICRITO'2021), which is held virtually on **September, 3rd and 4th, 2021** at Amity University, Noida, INDIA
25. Participated in the One Week Online workshop on “Research Methodology and Advanced in Computer Science” held from **3rd to 9th July, 2021** at, DDU Gorakhpur University, Gorakhpur, Uttar Pradesh and delivered a talk on “The Recent Trends of Data Compression and Communication”.

Mr. Sanjeev Sharma

26. Completed the one-week Faculty Development Program on Advance Cyber Security and Forensics from **26th July 2021 to 31st July 2021** organized by E & ICT Academy, IIT Kanpur.

Mr. Saurabh Kumar

27. Attended a Faculty development Program through ICT mode on “**Advance Cyber Security and Forensics**” conducted by E & ICT Academy, IIT Kanpur, **26th July 2021 - 31st July 2021**. (1 Week).

DEPARTMENT OF PETROLEUM & ENERGY STUDIES

Dr. Gaurav Richhariya

1. **Dr. G Richhariya** has successfully completed course certificate on “Conservation Issues in India” Organised by **Ministry of Forest Environment, Forest and Climate Change, July 2021**.

Mr. Gopal Kumar

2. **G. Kumar** has successfully completed International workshop on “**New Trends in the field of Chemistry, Environment & education Policy (NTFCEP-2021)**” organised by CoE - LAW, DIT University, **July 2021**.

3. **G. Kumar** has attended virtual International Conference on Multi-Functional Advanced Materials (VICMAM2021) organised by JVM Degree College Maharashtra, August 2021.

DEPARTMENT OF PHYSICS

Dr. Samta Manori

1. Dr. Samta Manori, presented a poster on “Spin Glass induced Exchange Bias in $\text{YMn}_{0.8}\text{Fe}_{0.2}\text{O}_3$ Thin Film” in “1st International Conference on Thin Films and Nanotechnology: Knowledge, Leadership, & Commercialization (ICTN-KLC-2021) organized by Department of Physics, IIT Delhi, India from **August 24-26, 2021**
2. Dr. Samta Manori, Participated in Inspiring Faculty Program comprising of four courses by Harappa Education, **June 28 –July 28, 2021.**

Vishakha Kaushik

3. Dr. Vishakha Kaushik attended a FDP on “Nano-Sensors” organized by All INDIA COUNCIL FOR TECHNICAL EDUCATION on **5th July to 9th July 2021.**
4. Dr. Vishakha Kaushik attended a workshop on “XRD instrumentation, Analysis, Interpretation of spectra and applications” organized by B. K. Birla College of Arts, Science & Commerce, Kalyan on **28th August 2021.**

Dr. Natasha Awasthi

5. Dr. Natasha Awasthi attended, participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Introduction to Quantum Computing and Information" organized by PDPM IIITDM Jabalpur from July 5-9, 2021
7. Dr. Natasha Awasthi attended Faculty Development Program on Emerging topics in computing: Quantum, Microfluids, Memristors organised by Department of Computer Science and Engineering in association with Internal Quality Assurance Cell, JIS University from **August 9-13, 2021.**

Dr. Ravi K. Shukla

8. Dr. Ravi K. Shukla attended a webinar on Valorising Waste Biomass via Hydrodynamic Cavitation and Anaerobic Digestion, American Chemical Society USA on August **27, 2021.**
9. Dr. Ravi K. Shukla attended a webinar on **RSC-IISER Desktop Seminar with Cryst Eng Comm**, Royal Society of Chemistry, Landon on **September 23, 2021.**
10. Dr. Ravi K. Shukla attended One week **Faculty Development Programme & International Workshop** organized by LAW, Centre of Excellence & Department of Chemistry, DIT University, Dehradun from **July 26-31, 2021.**

11. Dr. Ravi K. Shukla attended 1st International conference on thin films nanotechnology, knowledge, leadership and commercialization (ICTN-KLC 2021) organized by Department of Physics, IIT Delhi from August 24-26, 2021.

f) BOOK REVIEWS (BETWEEN JULY 1-SEPTEMBER 30)

SCHOOL OF LIBERAL ARTS & MANAGEMENT (HUMANITIES)

Mr. Ram Gopal

1. **R. Gopal**, "The Effect of a Short Duration Integrated Classroom Yoga Module on Physical Fitness, Cognitive Performance, Emotional Wellbeing and Personality Characteristics of School children: A Randomised Control Trial Design, *Mimansa* (UGC Care; <https://www.ym-kdham.in>, Sept. 2021.
2. **R. Gopal**, "Consensus Diabetic Yoga Protocol improves anthropometric, neuropsychological, angiogenic and neuroprotective markers independent of plasma glucose," Scientific Reports. Sept 2021.

MONOGRAPHS/ POLICY PAPERS (BETWEEN JULY 1-SEPTEMBER 30)

Nil

g) CREATIVE WORK AND PERFORMANCES (BETWEEN JULY 1-SEPTEMBER 30)

SCHOOL OF PHARMACEUTICAL & POPULATIONS HEALTH INFORMATICS

Dr. Rajeev Kr. Sharma

1. **Dr. Rajeev Kr. Sharma** conducted Webinar on **Stress Relieving and Immunity Boosting** by Art of living on 7th may 2021.
2. **Dr. Rajeev Kr. Sharma** coordinated International Conference entitled **Intellectual Property Rights** conducted by CIIES and DIT University on 26th April.
3. **Dr. Rajeev Kr. Sharma** coordinated and conducted a webinar entitled **Research Ethics and Progress in Neuroscience** on 17th June 2021
4. **Dr. Rajeev Kr. Sharma** conducted Awareness on Quit Tobacco on 31st May 2021.

Dr. Uddipak Rai

5. **Dr. Uddipak Rai** actively involved in Departmental Purchase Committee (Member Secretary) and trying to procure good and efficient instruments for the proper establishment of Molecular Pharmacology Laboratory.

Dr. Dhirodatta Senapati

6. **Dr. Dhirodatta Senapati** thoroughly reviewed one research article “Investigation of VHL Gene Associated With miR-223 in Clear Cell Renal Cell Carcinoma” of Molecular Biology Report.

SCHOOL OF LIBERAL ARTS & MANAGEMENT (MANAGEMENT)

Dr. Pankaj Kumar

1. Dr. Pankaj Kumar published one MOOC on “Organizational Behavior” at UDEMY platform in **August 2021**.

h) NEWSPAPER/MAGAZINE ARTICLE AND EDITORIALS (BETWEEN JULY 1-SEPTEMBER 30)

DEPARTMENT OF EECE

Dr. Santosh Kumar

1. Edited more than 20 papers of IEEE Sensors Journal, Biomedical Optics Express, Frontiers in Physics, Frontiers in Sensors.
2. Associate Editor, IEEE Sensors Journal
3. Associate Editor, IEEE Transactions on Nano-Bioscience
4. Associate Editor, IEEE *Access*
5. Associate Editor, Biomedical Optics Express
6. Guest Editor, Frontiers in Physics, Frontiers in Sensors.

V. PATENTS PUBLISHED (BETWEEN JULY 1-SEPTEMBER 30)

DEPARTMENT OF EECE

Dr. Brajlata Chauhan

1. **Brajlata Chauhan**, Mukesh Kumar, Vivek Shahare, Chinu Singla, Nitin Arora, Anupam Singh, Satyasundara Mahapatra, Shalini Singh, Neha Gupta “Go Green: Analyzer for Pollution Control in Vehicles”, Indian Patent, **Application No. 202111028392**, Publication Date: **July 2021. Published.**

SCHOOL OF COMPUTING

Dr. Jyoti Rawat

2. Sanjay kumar, **Jyoti Rawat**, Neeru Saxena, Dr. Sangita arora, Lokendra singh songare, Nikhil Rathore, Chaitanya P. Agrawal, Manish Maheshwari, “System and method for detecting buried objects using iot based vibration detector”, **Indian Patent, Application No. 202111034580, August 2021. Published.**

Mr. Neeraj Rathore & Mr. Devendra Prasad

3. Deepak Srivastava, DilipKumar J Saini, **Devendra Prasad, Neeraj Rathore**, Ajay Kumar, Dheresh Soni, Ranjeet Singh, Pramod Kumar, Anuj Kumar, “A Drug Discovery System with Immuno-oncology protein for Cancer Treatment using Artificial Intelligence (AI), Indian Patent, **Application No. 202111039110, September 2021. Published.**

Dr. Anurag Aeron

4. **Anurag Aeron**, Vijaykumar R. Urkude, Venna Kusuma Kumari, Shubhi Jain, Sandeep Srivastava, K.T.P.S Kumar, Sushma Jaiswal, Tarun Jaiswal, Rabinarayan Satpathy, Gouse Baig Mohammad, “Image Contrast Enhancement System With Fuzzy Based Threshold Histogram Equalization”, **INDIAN Patent, Application No. 202111028832, July 2021. Published.**
5. M. Premkumar, **Anurag Aeron**, Ajay Kumar, K.Amaresh, Dr. Vinjamuri Venkata Hari Babu, Sunil Singarapu, Sushma Jaiswal, Tarun Jaiswal, Rabinarayan Satpathy, G. Nageswara Rao, “A High-Frequency Oscillator Inverter With An Adjustable Reactance” Indian Patent, **Application No. 202141035788, August 2021. Published.**
6. Rabinarayan Satpathy, A. Sankaran, **Anurag Aeron**, Sujata Panda, Darshana A Naik, Reddy Anuradha, K.G.S. Venkatesan, Sushma Jaiswal, Tarun Jaiswal, Hanumaji Kantari, “Multifunction Heat Transmission Simulator With AI And Machine Learning” Indian Patent, **Application No. 202131039493, September 2021. Published.**

Dr. Megha Bhushan & Dr. Kumar Shashvat

7. **Megha Bhushan**, Ashok Kumar, Arun Negi, Jaideep Singh Negi, **Kumar Shashvat**, Vishan Kumar Gupta, Harsh Taneja, Amrit Pal Singh, Kanupriya Verma, Thakur Santosh, Sandip Kumar Chaurasiya, Bhargavi Mopuru, Title of the invention: “Smart Hill Horn”, Indian Patent, **Application no. 202111033739, August 2021. Published.**

Dr. Kumar Shashvat

8. **Kumar Shashvat**, Nitin Goyal, Kalpna Guleria, Sushil Kumar Sharma, Mohit Angurala Vrajesh, Meenakshi Aggarwal, Monika Chaudhary, Mamta Nain, Mamta, Title of the invention: “INTERNET OF THINGS ENABLED SMART SHOES”, **Australian Patent, Application No. 2021104283, August 2021. Published.**

SCHOOL OF PHARMACEUTICAL & POPULATIONS HEALTH INFORMATICS

Mohd. Farheen, Dr. Mohd. Habban Akhter & Dr. Havagiray Chitme

9. **Mohd. Farheen, H. Akhter and H. Chitme**, “Cinnamomum zeylanicum biopolymeric nanoparticles for site specific drug delivery to tumor sites, composition and method of preparation thereof,” Indian Patent, Application No. 202111038933, September 2021. 10/09/2021. **Published.**

Dr. Bhavna

10. **Bhavna** and Deepika Sharma. “Saxagliptin nanomicelles for neurodegenerative disorders” Indian Patent, Application No 201911034433, August 2021. **Published.**

DEPARTMENT OF PHYSICS

Dr. Samta Manori

11. **Samta Manori**, Ashok Manori, Anita Dhyani, “ A computer/mobile application to store and communicate live location Evidence/Information”, Indian Patent Application no. 202111031547, **August 2021. Published.**
12. **Samta Manori**, Ashok Manori, Anita Dhyani, Ashutosh Trivedi, Indian Patent, “ANN based switching of Capacitor Bank in an EV powered by modified Fuel Cell”, Indian Patent Application no. 202111030020, **July 2021. Published.**

VI. ORGANIZATION OF NATIONAL/INTERNATIONAL CONFERENCES/ MEETINGS/ WORKSHOPS (BETWEEN JULY 1-SEPTEMBER 30)

SCHOOL OF ARCHITECTURE AND DESIGN

Ar. Jitendra Kumar Sarohi

1. Conducted Webinar Series 2021 from 13th Sept – 15th Sept 2021 at School of Architecture & Design.

SCHOOL OF PHARMACEUTICAL & POPULATIONS HEALTH INFORMATICS

Dr. Havagiray Chitme

1. **Dr. Havagiray Chitme** organized **World Pharmacists Day-2021**, Dr. Pramod Kumar Rajput delivered a talk on the Theme "**Pharmacy: Always trusted for your health**", 25/09/2021, Faculty of Pharmacy, DIT University, Dehradun.

2. **Dr. Havagiray Chitme** organized **Staff Development Program on Good Laboratory Practice**, Faculty of Pharmacy, DIT University, Dehradun, 26-30th July, 2021.
3. **Dr. Havagiray Chitme** organized **Webinar on “Life transforming skills and leadership development in Youngsters”** by Prof. Reenu Yadav, Principal IITM, Department of pharmacy, Social worker and Mrs. India International -2019. 7th August 2021.
4. **Dr. Havagiray Chitme** organized **Hands-on-Experience Workshop on Commercialisation of IPR** Organized in association with Gridlogics Technologies Pvt. Ltd, Pune, Sept 27th, 2021.

Dr. Bhavna

5. **Dr. Bhavna** received **Certificate of Appreciation** for conducting session at Staff Development Program on **“Good Laboratory Practice”**, from 26-30th July, 2021. SOPPHI, DIT University.

Mr. Vijay Singh Rana

6. **Mr. Vijay Singh Rana**, received **Certificate of Appreciation** for conducting session at Staff Development Program on **“Good Laboratory Practice”**, from 26-30th July, 2021. SOPPHI, DIT University.

DEPARTMENT OF EECE

Dr. Gagan Singh, Dr. Sonika Singh and Dr. Gaurav Dhiman

1. Organized Webinar on ‘Scope of Electronics & Communication Engineering in building Trillion Dollar Digital Economy for India’ on 20th July 2021. Speakers- Dr. Sonika Singh, Dr. Gaurav Dhiman, Dr. Gagan Singh.

Dr. Gagan Singh, Dr. Sonika Singh and Dr. Nafees Ahamad

2. Organized Webinar on ‘Increasing scope of Electrical Engineering- Wirelines leading to Lifelines’ on 31st July, 2021. Speakers: Dr. Sonika Singh, Dr. Nafees Ahamad, Dr. Gagan Singh.

Dr. Brajlata Chauhan

3. Organized a webinar on “SDR and its software aspects (Software Communications Architecture)” in collaboration with DEAL DRDO Dehradun on 3rd Sept. 2021, Speaker: Sh. Satendra Kumar Yadav, Sc-G, DEAL DRDO Dehradun.
4. Organized an exhibition “Indigenous products exhibition /display by DEAL DRDO in collaboration with IETE- SF DITU on 27th Sept. 2021.

Dr. Brajlata Chauhan and Dr. Amrindra Pal

5. Organized a webinar on “Digital Troposcatter Communication System” in collaboration with DEAL DRDO Dehradun, Speaker: Dr. Rajendra Singh, Sc-F, DEAL DRDO Dehradun, on **24th Sep 2021**.

DEPARTMENT OF MATHEMATICS

Dr. Jogendra Kumar

1. National workshop on “Differential Equations: Theory, Analysis, and Applications with MATLAB” during **12-16 July 2021**, DIT University, Dehradun (**Convener: Dr. Jogendra Kumar**).

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 Upgradation and Prediction of the Properties of the Cement and Concrete Fused with the Wash Sand Waste for Journal of Innovative Infrastructure Solutions, Springer on **28th September 2021**.
2. **Dr. Rana Acharyya** reviewed a technical paper on Signature of Sand Aging on the Structural Order for KSCE Journal of Civil Engineering, Springer on **28th September 2021**.
3. **Dr. Rana Acharyya** reviewed a technical paper on The Development of a Simplified Method to Predict the Global Factor of Safety of Soil-nailed Slope for KSCE Journal of Civil Engineering, Springer on **25th September 2021**.
4. **Dr. Rana Acharyya** reviewed a technical paper on Stabilization of clay soil with agricultural waste for Journal of Innovative Infrastructure Solutions, Springer on **24th September 2021**.
5. **Dr. Rana Acharyya** reviewed a technical paper on Analysis of Footing using Sand and Rice Husk Ash mixture as a filler material for Journal of Innovative Infrastructure Solutions, Springer on **7th September 2021**.

6. **Dr. Rana Acharyya** reviewed a technical paper on Investigation of Failure Behaviour of Soil Nailed Excavations under Surcharge by Centrifuge Model Test for KSCE Journal of Civil Engineering, Springer on **26th July 2021**.
7. **Dr. Rana Acharyya** reviewed a technical paper on Triaxial Characteristics and Microscopic Mechanism of Graphene-Modified Cement Stabilized Expansive Soil for KSCE Journal of Civil Engineering, Springer on **15th July 2021**.

DEPARTMENT OF PHYSICS

Dr. Ravi Kumar Shukla

1. **Dr. Ravi Kumar Shukla** reviewed a paper for **IEEE Sensors Journal [IF: 3.06]**, Sep. 2021.
2. **Dr. Ravi Kumar Shukla** reviewed a paper for **Biomedical Optics Express [IF: 3.9]**, Sep. 2021.

SCHOOL OF PHARMACEUTICAL & POPULATIONS HEALTH INFORMATICS

Dr. Havagiray Chitme

1. Life Member, Indian Fertility Society, New Delhi.

Dr. Bhavna

1. **Dr. Bhavna** Life member in Asian Polymer Association (APA), L-616, **July 2021**.

DEPARTMENT OF EECE

Dr. Brajlata Chauhan

1. Member of IETE Council DEAL Dehradun Uttarakhand (2018-20, 2020-2022).

SCHOOL OF COMPUTING

Dr. Kumar Shashvat

1. **Dr. Shashvat** Fellow Member of **Computer Science Teachers Association** Membership id: 198358002016.

Dr. Ranjeet Kumar Ranjan

1. Reviewed a technical manuscript for the Journal of Experimental & Theoretical Artificial Intelligence, Taylor & Francis, **August 2021**.
2. Reviewed a technical manuscript for the International Journal of Computing and Digital Systems (IJCDS), **September 2021**.

Dr. Rakesh Kumar Saini

1. **Dr. Rakesh Kumar Saini** appointed as Sah Sayonjak of Uttarakhand Sikshak Mandal of Uttarakhand State, India, **Aug 2021**.

VIII. AWARDS/ HONORS/ FELLOWSHIPS (BETWEEN JULY 1- SEPTEMBER 30)

DEPARTMENT OF EECE

Dr. Nafees Ahamad

1. **Dr. Nafees Ahamad** received Excellence in Research award: A certificate of appreciation for valuable contribution in research was awarded by DIT University, Dehradun, India, **Sept. 5, 2021**.

Dr. Brajlata Chauhan

2. DIT University awarded “Exemplary Leadership award 2021” on the Teachers Day 5th **Sept. 2021**.
3. Received "Teacher of the year award 2021" by Honourable Chief Minister Pushkar Singh Dhami in 4th felicitation of Teacher Day on 5th Sept. 2021 at UTU Dehradun.
4. “Best program coordinator” award By NSS council DITU on **24th Sept. 2021**.

DEPARTMENT OF PETROLEUM & ENERGY STUDIES

Rakesh K. Pandey

1. **R. K. Pandey** has been awarded certificate of appreciation for “Excellence in Research 2021” by DIT University, Dehradun.

Dr. Gaurav Richhariya

2. **G. Richhariya** has been nominated as **Innovation Ambassador** by **Ministry of**

Education July 2021.

3. **G. Richhariya** has received appreciation award for Contribution in research, September 2021 DIT University.

Mr. Gopal Kumar

4. **G. Kumar** has been nominated as **Innovation Ambassador by Ministry of Education** July 2021.
5. **G. Kumar** has received appreciation award for Excellence in research, September 2021 DIT University.

SCHOOL OF LIBERAL ARTS & MANAGEMENT (HUMANITIES)

Ram Gopal Gupta

1. Best Researcher Award in “International Scientist Awards on Engineering, Science and Medicine” organized by VDGGOOD, India, August 2021.

SCHOOL OF PHARMACEUTICAL & POPULATIONS HEALTH INFORMATICS

Dr. Havagiray Chitme

1. Dr. Havagiray Chitme received award for Teacher of the Year 2021 from Hon. Chief Minister of Uttarakhand, Sponsored by Divya Himgiri in association with Uttarakhand Technical University, Uttarakhand Council for Science & Technology, 5th **September, 2021**.
2. Dr. Havagiray Chitme received Research Excellence Award, DIT University, Dehradun for the academic year 2020-21, 4th **September, 2021**.
3. Dr. Havagiray Chitme received Certificate of Appreciation DIT University, Dehradun for the academic year 2020-21, 4th **September, 2021**.
4. Dr. Havagiray Chitme, Enlisted in World Scientist and University Rankings 2021 (3rd Position at DIT University) by AD Scientific Index. Enlisted in World Scientist and University Rankings 2021 (4th Position at DIT University) by AD Scientific Index.

Dr. Bhavna

5. Dr. Bhavna awarded with certificate of Appreciation for “Contribution in Research”, 5th **Sept. 2021** by DIT University, Dehradun, India.

6. Dr. Bhavna, Enlisted in World Scientist and University Rankings 2021 (3rd Position at DIT University) by AD Scientific Index. Enlisted in World Scientist and University Rankings 2021 (15th Position at DIT University) by AD Scientific Index.

Dr. Neeraj Kr. Sethiya

7. Dr. Neeraj Kr. Sethiya received Research Excellence Award from DIT University on Teachers Day (Academic Year: 2020-2021).
8. Dr. Neeraj Kr. Sethiya received Sponsorship Grant of 100\$ from Science Alert to attend annual International conference of Asian Council of Science Editors 2021 on 21st August 2021.
9. Dr. Neeraj Kr. Sethiya received Certificate of Excellence in Reviewing for Asian Journal of Applied Chemistry Research on 30th September 2021.
10. Dr. Neeraj Kr. Sethiya Enlisted in World Scientist and University Rankings 2021 (3rd Position at DIT University) by AD Scientific Index.
11. Dr. Neeraj Kr. Sethiya received Certificate of Reviewing for Phytomedicine Plus on August 2021.
12. Dr. Neeraj Kr. Sethiya recognized as Bentham Science Ambassador for AY 2020-2021.

Mr. Samir Bhargava

13. Mr. Samir Bhargava, Enlisted in World Scientist and University Rankings 2021 (19th Position at DIT University) by AD Scientific Index.

Dr. Manmohan Singhal

14. Dr. Manmohan Singhal, Enlisted in World Scientist and University Rankings 2021 (3rd Position at DIT University) by AD Scientific Index. Enlisted in World Scientist and University Rankings 2021 (5th Position at DIT University) by AD Scientific Index.
15. Dr. Manmohan Singhal received Excellence in Research of the Year-2021 Award by Honourable CM Uttarakhand Shri Pushkar Singh Dhami, organized by Uttarakhand Technical University, Uttarakhand Council of Science and Technology (UCOST), Divyahingiri and Society for Research & Development in Science Technology and Agriculture on 5 September, 2021.

Dr. Mandeep Kr. Arora

16. Dr. Mandeep Kr. Arora awarded with “**Teachers of the year 2021**” on 4th Felicitation ceremony on Teachers day at VSMB Uttarakhand Technical University, Sept 2021.

17. Dr. Mandeep Kr. Arora awarded with **Scientific Excellence Award** by Academic Growth Foundation for dedication and hard work in the field of Pharmaceutical by Academic Growth Foundation, Sept 2021.
18. Dr. Mandeep Kr. Arora received **certificate of appreciation** for “Contribution in research” on Teacher’s day from Shri. N. Ravi Shanker, Hon’ble Vice Chancellor, DIT University Dehradun Sept, 2021.

Mrs. Ritu Tomar

19. Mrs. Ritu Tomar received **certificate of appreciation** for “Contribution in research” on teacher’s day from Shri. N. Ravi Shanker, Hon’ble Vice Chancellor, DIT University Dehradun **Sept, 2021**.

DEPARTMENT OF PHYSICS

Dr. Ravi Kumar Shukla

1. Dr. Ravi Kumar Shukla won Best Poster Award in 1st International conference on thin films nanotechnology, knowledge, leadership and commercialization (ICTN-KLC 2021).

SCHOOL OF COMPUTING

Dr. Anurag Aeron

1. **Dr. Anurag Aeron** received “**Teacher of The Year-2021**” Award by **Hon’ble Chief Minister of Uttarakhand Shri Pushkar Singh Dhama**, on the Occasion of Teacher’s Day i.e. on Sunday, 5th September, 2021. “Teacher of The Year Award” is the most prestigious award organised every year by Divya Himgiri, a premier weekly news magazine of Uttarakhand, in association with all the universities and government departments related to education.
2. **Dr. Anurag Aeron** received “**Dr. S Radhakrishnan Bharat Shiksha Awards 2021**” -for recognizing outstanding contributions in **Mentoring (University)**. Dr. S Radhakrishnan Bharat Shiksha Awards aim at honoring and recognizing outstanding contributions in the field of Indian Education by institutions and individual educators / educationists. <https://bharatshikshaawards.com/>

Dr Ranjeet Kumar Ranjan

3. Awarded with “**Excellence in Research**” for contribution in research at DIT University

Dehradun on 4th Sept 2021.

Dr Anil Kumar

4. Awarded with “**Excellence in Research**” for contribution in research at DIT University Dehradun on 4th Sept 2021.

Mrs. Moumita Ghosh

5. Moumita Ghosh has been awarded with “**Most Innovative Idea**”, for the course in “Innovation, IPR, Start-up and Entrepreneurship (CIISE)”, Hansraj College, University of Delhi in Association with Patlex Business Solutions, India from 10th July- 17th September 2021(35 hrs)

IX. DOCTORAL STUDENTS AWARDS/ACHIEVEMENTS (BETWEEN JULY 1-SEPTEMBER 30)

DEPARTMENT OF PETROLEUM & ENERGY STUDIES

Dr. Gaurav Richhariya

1. **Dr. Gaurav Richhariya** has successfully defended his PhD Thesis on “**Development of Self-Healing Cement on Oil Wells**”.

X. CONSULTANCY DETAILS (BETWEEN JULY 1-SEPTEMBER 30)

SCHOOL OF PHARMACEUTICAL & POPULATIONS HEALTH INFORMATICS

Dr. Neeraj Kr. Sethiya

1. **Dr. Neeraj Kr. Sethiya** received Offer for Consultancy Grant of INR 1, 00,000/- Rs. From Industry-Academia research to develop herbal formulation for poultry from Wyldox Pvt Limited, New Delhi (Under Processing) **August 2021**.

XI. OTHER ACHIEVEMENTS (BETWEEN JULY 1-SEPTEMBER 30)

DEPARTMENT OF EECE

Dr. Sonika Singh

1. **Dr. Sonika Singh:** Appointed as Observer for NIELIT OABC Level Theory Exam of July 2021 Exam held on 16th-17th Sept'2021 at Government Polytechnic, Pitthuwala, Dehradun.

SCHOOL OF LIBERAL ARTS & MANAGEMENT (HUMANITIES)

Ram Gopal Gupta

1. Inspiring Faculty Program comprising the courses; Speaking Effectively, Leading Self, Establishing Trust, Building Presence, Harappa Education, **July 30, 2021.**

SCHOOL OF COMPUTING

Dr. Megha Bhushan

1. **Megha Bhushan**, chaired a session on Machine Intelligence: Emerging Opportunities, Challenges and Applications in 1st International Conference on Applied Mathematics, Modelling and Simulation in Engineering (AMSE 2021), Stanley College of Engineering and Technology for Women, Abids, Hyderabad, India, **[Indexed in Web of science], September 15-16, 2021.**
2. **Megha Bhushan**, chaired a session on Cutting Edge Technologies in Health-care: Monitoring, Diagnosis, Prevention, and Treatment in Multidisciplinary International Conference on Futuristic Trends for Sustainable Ecosystem (FTSE-2021), Organized by Rai University, Gujarat in collaboration with Universidad Autonoma De Tamaulipas (UAT), Mexico, 26-28th **August 2021.**

Mr. Ankit Agarwal, Dr. Rama Sushil

3. **Ankit Agarwal, Rama Sushil**, Copyright registered for "CLASSIFICATION USING LOGISTIC REGRESSION", Registration Number SW-14834/2021, Diary number 14198/2021-CO/SW, Available at <https://copyright.gov.in/Documents/ERegister/E-Register August 2021.pdf> **24 Aug, 2021.**

Mr. Ajay Kumar

4. Participated in the online Train the Trainer (TTT) program on "Java Programming" conducted by Infosys Limited from **Sept 6-13, 2021.**
5. Participated in an online FDP on "Deep Learning" conducted by NITTTTR Chandigarh from **Aug 23-27, 2021.**

Dr. Garima Verma

6. **Dr. Garima Verma**, presented a paper titled “A Secure Framework for Health Record Management Using Block chain in Cloud Environment” in 3rd International Conference on Smart and Intelligent Learning for Information Optimization (CONSILIO) 2021, organized by SIET, Hyderabad, India on **9th July 2021**.
7. **Dr. Garima Verma**, Attended 5 week FDP on “Inspiring Faculty Program”, on **28th June to 30th July 2021**, offered by HARAPPA, organized by DIT University.

Mrs. Moumita Ghosh

8. Moumita Ghosh has successfully completed online course on “Fundamental of Remote Sensing & GIS Technology”, from IIRS/ISRO, Dehradun from 14-28th **September, 2021**.
 9. Moumita Ghosh has successfully completed Certificate Course in “Innovation, IPR, Start-up and Entrepreneurship (CIISE)”, Hansraj College, University of Delhi in Association with Patlex Business Solutions, India from 10th July- 17th **September, 2021**.
-