

SCHOOL OF COMPUTER SCIENCE AND ENGINEERING

Extension Lectures Delivered by Outside Experts/Outside Faculty in the School and in-house Faculty outside School/University (2024-2025):

Sl. No.	Name of the Faculty	Title of the seminar/conference and dates & year	Title of the Talk	Organizing agency	Invited lecture/Resource person/Keynote speaker/Paper presenter/Plenary speaker	National/ International (abroad)/ International (within the country)/ State/University
1)	Dr. Sunanda	NEP Orientation & Sensitization Program 10 th – 19 th February 2025	Information & Communication Technology	MMTTC SMVDU	Invited Lecture	National
2)	Dr. Sunanda	Faculty Induction Program 17 th – 19 th February 2025	Integrating Technology into Education	MMTTC SMVDU	Invited Lecture	National
3)	Dr. Sunanda	NEP Orientation & Sensitization Program 10 th – 20 th March 2025	Information & Communication Technology	MMTTC SMVDU	Invited Lecture	National
4)	Dr. Sunanda	Faculty Induction Program from 27 th January - 22 nd February 2025	AI enhanced approach to effective lecture planning	MMTTC SMVDU	Invited Lecture	National
5)	Prof. M K Gupta	UGC-MMTTC Sponsered STTP on Mathematical Methods	Classification Algorithm: Decision Tree	Shri Mata Vaishno Devi University, Katra (J & K)	Invited Lecture	National

6)	Prof. M K Gupta	Faculty Development Programme on Professional Ethics and Plagiarism	Analysis and Report writing	Central University of Jammu.	Invited Lecture	National
7)	Prof. M K Gupta	Short Term Training Programme on Emerging Technologies in Engineering (Online)	Decision Tree- A Classification Algorithm	Shri Mata Vaishno Devi University, Katra (J & K)	Invited Lecture	National
8)	Prof. M K Gupta	National Workshop on “Renewable Energy & Sustainable Environment”	Machine learning Applications in Sustainability Development	School of Energy Management, Shri Mata Vaishno Devi University, Katra (J & K)	invited Lecture	National
9)	Prof. M K Gupta	3rd International Conference on Networks and Cryptology (NetCrypt 2025) organized by	Hybrid Neuro-Fuzzy Systems and Applications	Computer and Systems Sciences, JNU New Delhi	Invited Lecture	International
10)	Prof. M K Gupta	CEC Certification Course on Applied Data Analytics: A Practical Approach	Classification Algorithm: Decision Tree and K-NN	the Dept. of IT under the Continuing Education Cell, NIT, Raipur, Chhattisgarh	Invited Lecture	National
11)	Dr. Archana Purwar	Online Training Programme on "Short Term Training Programme on Emerging Technologies in Engineering	Fraud Analytics	UGC - Malaviya Mission Teacher Training Centre - SMVDU.	Resource Person	National

12)	Dr. Baijnath Kaushik	Workshop on Recent Trends in AI, Fin-Tech and Security, 5th – 9th February 2025	Recent Trends in AI, ML and Deep Learning in Fin-Tech and Security	School of Studies in Computer Science & IT, Pt. Ravi Shankar Shukla University, Chhattisgarh, India	Resource Person	National
13)	Prof. Ashish Ghosh (Director, IIIT Bhubaneswar)	FDP on Sentiment Analysis Using Large Language Models and Medical Image Applications Using Learning Models, 17th - 21st February 2025	Sentiment Analysis Using Large Language Models	Higher Education Dept, JK Govt. under RP – 126 at SMVDU	Invited Lecture	National
14)	Prof. Susmita Ghosh (Jadavpur University)	FDP on Sentiment Analysis Using Large Language Models and Medical Image Applications Using Learning Models, 17th - 21st February 2025	Medical Image Applications Using Learning Models	Higher Education Dept, JK Govt. under RP – 126 at SMVDU	Invited Lecture	National
15)	Prof. K. K. Biswas (IIT Delhi)	FDP on Sentiment Analysis Using Large Language Models and Medical Image Applications Using Learning Models, 17th - 21st February 2025	Medical Image Applications Using Learning Models	Higher Education Dept, JK Govt. under RP – 126 at SMVDU	Invited Lecture	National
16)	Prof. Vinod Sharma (Jammu University)	FDP on Sentiment Analysis Using Large Language Models and Medical Image Applications Using Learning Models, 17th - 21st February 2025	Sentiment Analysis Using Large Language Models	Higher Education Dept, JK Govt. under RP – 126 at SMVDU	Invited Lecture	National

17)	Dr. Vinit Jakhethiya (IIT Jammu)	FDP on Sentiment Analysis Using Large Language Models and Medical Image Applications Using Learning Models, 17th - 21st February 2025	Medical Image Applications Using Learning Models	Higher Education Dept, JK Govt. under RP – 126 at SMVDU	Invited Lecture	National
18)	Dr. S N Deepa (NIT Calicut)	Expert Lectures by External Expert , 22nd -23rd April 2025	Methods of Defuzzification	School of CSE at SMVDU Coordinated by Dr. Baijnath Kaushik	Invited Lecture	National
19)	Dr. S N Deepa (NIT Calicut)	Expert Lectures by External Expert , 22nd -23rd April 2025	Introduction to Genetic Algorithms	School of CSE at SMVDU Coordinated by Dr. Baijnath Kaushik	Invited Lecture	National
20)	Prof. Badri Subudhi (IIT Jammu)	Orientation of Students From The External Experts, 6-9 December 2024	Use of machine Learning and Deep Learning in AI	School of CSE at SMVDU Coordinated by Dr. Baijnath Kaushik	Invited Lecture	National
21)	Prof. Savita Nayyar (Jammu University)	Orientation of Students From The External Experts, 6-9 December 2024	Cyber Security and its applications	School of CSE at SMVDU Coordinated by Dr. Baijnath Kaushik	Invited Lecture	National
22)	Prof. Puneet Goyal (IIT Ropar)	Orientation of Students From The External Experts, 6-9 December 2024	Medical Image Applications using Deep Learning	School of CSE at SMVDU Coordinated by Dr. Baijnath Kaushik	Invited Lecture	National

Research Publications (with full details in below format) for 2024-2025:

For book:

Sl.No	Title of the book	Name of the Author and Co-authors (Mention all authors)	Name of the publisher Indicate National or International	ISBN No. Year of publication
1	Cyber Medics: Navigating AI and Security in the Medical Field	Varun Sapra, Rohit Tanwar, Luxmi Sapra	CRC Press, Taylor & Francis Group/ International	9781032847023 / 9781003518075/ 2025
2	Sentiment Analysis Unveiled: Techniques, Applications and Innovations	Neha Nandal, Rohit Tanwar, Varun Sapra	CRC Press, Taylor & Francis Group /	9781032824956 / 9781003504832/ 2025

For chapters in a book (2024-2025):

Sl. No.	Name of the Faculty	Title of the chapter	Title of the book	Editors (Mention all Editors)	Name of the publisher Indicate National or International	ISBN No. and year of publication
1	Dr. Sunanda	A Naïve Performance Metric Parameter for an Intrusion Detection System Model	Proceedings of International Conference on Recent Innovations in Computing	Yashwant SinghPradeep Kumar SinghPaulo J. Sequeira GonçavesArpan Kumar Kar	Springer, Singapore	978-981-97-2839-8, 2024

			ICRIC 2023 Volume 1			
2	Dr. Baijnath Kaushik	FeaTrim-ViT: Vision Transformer Trimming with One Shot Neural Architecture Search in Continuous Optimization Space and Efficient Feature Selection	Lecture Notes in Networks and Systems	Sudeep Tanwar, Pradeep Kumar Singh, Maria Ganzha, Gregory Epiphaniou	Springer, Singapore	978-981-97-2550-2, 2024
3	Dr. Baijnath Kaushik	Emerging Trends of Artificial Intelligence in Detecting Neurodegeneration,	Lecture Notes in Networks and Systems	Sudeep Tanwar, Pradeep Kumar Singh, Maria Ganzha, Gregory Epiphaniou	Springer, Singapore	978-981-97-2550-2, 2024

For paper (2024-2025):

Sl. No.	Name of Author	Title of paper	Name of the Journal: ISSN No.: DoI: (ISSN or DoI)	Volume: Issue No.: Year: Page Nos.:	Specify: Peer-reviewed/ UGC / SCOPUS Impact factor: (if available)
1.	Sudesh Kumar, Sunanda Gupta	SDN TCP-SYN Dataset: A Dataset for TCP-SYN flood DDoS Attack Detection in Software-Defined Networks	Data in Brief 2352-3409 https://doi.org/10.1016/j.dib.2025.111314	59, 2025, 111314	ESCI
2.	Baijnath Kaushik, Akshma Chadha,	A three layer stacked multimodel	Engineering Applications of Artificial Intelligence	147, 2025, 110241	SCIE, IF: 8.0

	Abhigya Mahajan, Malvika Ashok	transfer learning approach for deep feature extraction from Chest Radiographic images for the classification of COVID-19	1873-6769 https://doi.org/10.1016/j.engappai.2025.110241		
3.	Bajinath Kaushik, Abhigya Mahajan, Akshma Chadha, Yusera Farooq Khan and Shashwat Sharma	A fine-tuned adaptive weight deep dense meta stacked transfer learning model for effective cervical cancer prediction	Physica Scripta 1402-4896 https://doi.org/10.1088/1402-4896/adaf62	100(3), 2025	SCIE, IF: 2.6
4.	Sanjeev Kumar, Haider Banka, Bajinath Kaushik, Surbhi Sharma	An Ultra-Lightweight Secure RFID Authentication Protocol for Low-Cost Tags	Journal of Computer Virology and Hacking Techniques 2263-8733 https://doi.org/10.1007/s11416-024-00533-1	20(4), 2024, 803-818	ESCI
5.	Bajinath Kaushik, Reya Sharma, Y. F. Khan, Akshma Chadha, Niharika	A novel computational intelligence model using improvised feature selection for Parkinson's disease classification	Multimedia Tools and Applications 1573-7721 https://doi.org/10.1007/s11042-025-20904-0	84(9), 2025	SCOPUS
6.	Vipal Sharma, Ashish Kumar Dogra, Harsh Sohal	A survey of deep learning techniques for detecting and recognizing objects in complex environments	Computer Science Reviews 1574-0137 https://doi.org/10.1016/j.cosrev.2024.100686	54 , 2024, 100686	SCIE, IF: 12.7

7.	Suhail Mohi Ul Din, Sumeet Gupta, Sachin Kumar Gupta, Sonika Gupta	Health Hazard Minimization Using Collaborative Multi-UAVs for Coverage Extension in Urban Scenario.	GMSARN International Journal 1905-9094	19(4), 2025, 598-608	SCOPUS
8.	Monika Sharma, Ajay Kaul	A review of detecting malware in android devices based on machine learning techniques.	Expert Systems e13343 https://onlinelibrary.wiley.com/doi/10.1111/1/exsy.13482	41(1), 2024	SCIE, IF: 2.3
9.	Monika Sharma, Ajay Kaul, Naveen Kumar Gondhi	An enhanced hybrid architecture for detecting malware in android apps using machine learning and deep learning techniques.	Academy of Marketing Studies Journal 1095-6298 www.abacademies.org/articles/an-enhanced-hybrid-architecture-for-detecting-malware-in-android-apps-using-machine-learning-and-deep-learning-technique.pdf	29(3), 2025, 1-21	SCOPUS
10.	Rohini Raina, Naveen Kumar Gondhi, Abhishek Gupta	Automated segmentation of acute leukemia using blood and bone marrow smear images: a systematic review.	Multimedia Tools and Applications 1573-7721 https://doi.org/10.1007/s11042-024-18373-y	83, 2024, 77967–78000	SCOPUS
11.	Payal Maken, Manoj Kumar Gupta	2D-to-3DMaxiDeform: A Computer-Aided Approach	Computers in Biology and Medicine 1901-2025	183, 2024, 109263	SCOPUS

		for Maxillary Sinus 3D Construction from PA and Lateral Xray Images.	https://doi.org/10.1016/j.combiomed.2024.109263		
--	--	--	---	--	--

Conferences/Workshops/Seminars/Short term Courses/FDP/MDPs/Attended/Presented (2024-2025)

Sl. No	Name of the Faculty	Title of the Seminar/Conference/Workshop and Dates & Year	Title of the Talk (if presenter)	Organizing agency	Invited lecture/Resource person/Key note speaker/Paper presenter/Plenary speaker Or Simply Attended	National/ International (abroad)/ International (within the country)/ State/University
1	Manoj Kumar	International Conference on Emerging Trends in Biosciences and Chemical Technology -2025	Using Machine Learning Model for detection of Kyphosis in Early Ages	SMVDU	Paper Presenter	International (within the country)
2	Manoj Kumar	FDP on "Sentiment Analysis using LLM" 17.02.2025 to 21.02.2025	-	SMVDU	Attended	National
3	Rohit Tanwar	Python Programming - Learning By Examples	-	NITTR Chandigarh	Attended	National

4	Rohit Tanwar	AI for Future Workforce - Beginner Level in Collaboration with Intel	-	NITTTR Chandigarh	Attended	National
5	Rohit Tanwar	Cyber Security Essentials Basic Course	-	MMTTP, IIT Chennai	Attended	National
6	Rohit Tanwar	Refresher Course on Ethics and Innovation Integrating AI in Science and Technology Research	-	NITTTR Chandigarh	Attended	National
7	Rohit Tanwar	E-Content Development, Online Pedagogy and Open Educational Resources	-	MMTTP, Kurukshetra University	Attended	National
8	Rohit Tanwar	Refresher Course on Indian Knowledge System	-	NITTTR Chandigarh	Attended	National
9	Rohit Tanwar	FDP on Decoding Cyber Attacks and Threat Intelligence Strategies	-	NIT Warangal and VIT Chennai	Attended	National
10	Rohit Tanwar	NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training	-	UGC-MMTC Shri Mata Vaishno Devi University, Katra	Attended	National
11	Sunanda	Fifth International Conference on Sustainable Communication Networks and	Security Attacks in Software Designed Networks	Bharat Niketan Engineering College India	Paper presentation	International

		Application 11-13 Dec. 2024				
12	Sunanda	International Conference on Multidisciplinary Research for Sustainable Future (ICMRSF 25) 28.2.25-1.3.2025	A Hybrid Ensemble Learning Framework for Vision Based Classification of Gait Disorders	Board of Professional Activities, SMVDU in collaboration with JKSTIC	Paper presentation	International
13	Sunanda	One day workshop on Best Practices in Administrative Procedures 4.3.2025	-	SMVDU with support from PM USHA	Attended	National
14	Sunanda	One week FDP on Data Science (ML & AI) 26.5.2025-31.5.2025	-	E& ICT Academy IIT Kanpur	Attended	National
15	Sunanda	One week FDP on Cyber Security Essentials 2.12.24-13.12.24	-	C DAC Noida	Attended	National
16	Vipal Sharma	FDP on NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (10th to 20th March 2025)	-	SMVDU	Attended	National
17	Vipal Sharma	FDP on Universal Human Values (20th to 22nd March 2025)	-	AICTE, SMVDU	Attended	National
18	Vipal Sharma	FIP on NEP 2020 under Malaviya Mission Teacher	-	SMVDU	Attended	National

		Training Programme (2nd to 30th June 2025)				
19	Prof. M K Gupta	3rd Int. Conf. on Networks and Cryptology (NetCrypt 2025) organized by Computer and Systems Sciences, JNU New Delih	Advance ment in saffron authentic ation: A review of ML and DL technique s for Adulterati on Prediction		Paper presentation	International
20	Prof. M K Gupta	one day the training session on “Research with impact with oxford journal” on	-	Oxford University Press	Attended	International
21	Prof. M K Gupta	5-days FDP on “Next-Gen AI and Data Analytics: Strategies for the future”	-	Astana IT University, Astana, Kazakhstan	Attended	International
22	Sudesh Kumar	2024 International Conference on Sustainable Communication Networks and Application (ICSCNA), 11-13 December 2024.	Security Attacks in Software Defined Networks	Bharath Niketan Engineering College , Theni(Dt), Tamilnadu	Paper presentation	International
23	Sudesh Kumar	International Conference On Computing Systems And Intelligent Applications (ComSIA 2025),	DDoS Attack Detection in Software Defined Networks	Jointly organised by school of open learning, University of Delhi and Shaheed	Paper presentation	International

		28th -29th March 2025		Rajguru College of applied sciences, University of Delhi		
24	Sudesh Kumar	Recent Trends in Computational Sciences 22/07/2024 to 26/07/2024	-	Amity University, Kolkata	Attended	National
25	Sudesh Kumar	Building Web Development Solutions with Cloud Computing 11-11-2024 to 15-11-2024	-	Next Gen Employability Program, AICTE & Edunet Foundation	Attended	National
26	Sudesh Kumar	Sentiment Analysis Using Large Language Models and Medical Image Applications Using Learning Models 17- 21st February, 2025	-	SMVDU, Katra	Attended	National
27	Dr. Baijnath Kaushik	FDP on Research Structuring & Process, 17th - 21st February 2025 (1 week) Evening: 7:00 – 8:00 PM	-	Centre for Research Training (CRT) and National Foundation for Entrepreneurship Development (NFED)	Attended	National
28	Dr. Baijnath Kaushik	FDP on Sentiment Analysis Using Large Language Models and Medical Image Applications	-	Higher Education Dept, JK Govt. under RP – 126 at SMVDU	Attended	National

		Using Learning Models, 17- 21st February, 2025				
29	Dr. Baijnath Kaushik	International Workshop on Skills in Biosciences, 14th – 15th February 2025	-	Higher Education Dept, JK Govt. under RP – 127 at SMVDU	Attended	National
30	Dr. Baijnath Kaushik	Third International Conf. on Advances in Information, Telecommunication & Computing AITC, 31st May – 2nd June 2025	Deep Learning for Breast Cancer Detection : A Review of Current Techniques & Emerging Trends	Third International Conf. on Advances in Information, Telecommunication & Computing AITC (Online)	Paper Presenter	National
31	Dr. Archan Purwar	One week online short term training programme:” Python Programming - Learning By Example” 21/4/2025 to 25/4/2025	-	NITTTR, Chandigarh	Attended	National
32	Dr. Archan Purwar	One week short term training programme:” AI for Future Workforce- Beginner level in Collaboration with Intel”29/4/2025 to 21/5/2025	-	NITTTR, Chandigarh	Attended	National
33	Dr. Archan Purwar	One week online short term training programme on “Open Source	-	NITTTR, Chandigarh	Attended	National

		Applications in Engineering Education 5/5/2025 to 9/5/2025				
34	Dr. Archana Purwar	Two weeks online short term training programme on "Refresher Course on Ethics and Innovation Integrating AI in Science and Technology Research" 19/5/2025 to 30/5/2025	-	NITTTR, Chandigarh	Attended	National
35	Dr. Archana Purwar	One week online short Term Programme on "E-Content Development, Online Pedagogy and Open Educational Resources" 4/6/2025 to 10/6/2025	-	MMTP and Kurukshetra University	Attended	National
36	Dr. Archana Purwar	Five days online international FDP on " Next-Gen AI and Data Analytics: Strategies for the Future" 31/3/2025 to 4/4/2025	-	Astana IT University, Kazakhstan	Attended	International
37	Dr. Archana Purwar	Online UGC FDP on "NEP 2020: Orientation & Sensitization" from Future"	-	NIIT University Neemrana and UGC-MMTC HRDC, JNV	Attended	National

		17/3/2025 to 25/3/2025		University, Jodhpur		
38	Dr. Archan a Purwar	Five days FDP on " Sentiment Analysis using Large Language Models and Medical Image Applications using Learning Models " 17/2/2025 to 21/2/2025	-	Shree Mata Vaishno Devi University, Katra, Jammu & Kashmir from	Attended	National

Conferences/ Seminars /Workshops/FDPs/MDPs Organized (2024-2025)

Sl. No	Title of the Seminar/Conference/Workshop/Etc. and Dates & Year	Organiser's Name	Role	Organizing agency	National/ International / Regional
1	One Week Skill Development Programme on Soft Computing and Applications, 03.02.2025 to 07.02.2025	Dr. Manoj Gupta, Dr. Pooja Sharma, Mr. Manoj Kumar	Coordinators	SMVDU & Higher Education Deptt. J&K	Regional
2	Entrepreneurship Skill Development Program	Dr. Suparn Kr. Sharma, Dr. Sunanda	Organizing Secretary	SMVDU	Regional
3	8 Days Online Training Program on NEP Orientation & Sensitization Program	Dr. Suparn, Dr. Sharda, Dr. Sunanda	Coordinator	MMTTC, SMVDU	National
4	8 Days Online Training Program on NEP Orientation & Sensitization Program	Dr. Suparn, Dr. Sharda,	Co-coordinator	MMTTC, SMVDU	National

		Dr. Sunanda			
5	8 Days Online Training Program on NEP Orientation & Sensitization Program	Dr. Suparn, Dr. Sharda, Dr. Sunanda	Coordinator	MMTTC, SMVDU	National
6	FDP on “ Sentiment Analysis on Large Language Models & Medical Image Applications using Learning Models”	Dr. Baijnath Kaushik	Coordinator	Higher Education, JK Govt. under RP – 126 at SMVDU	National
7	National Workshop on “Orientation of Students from External Experts”	Dr. Baijnath Kaushik	Coordinator	SMVDU	National