

**ANNUAL REPORT-(2022-23)**  
**(01.07.2022 TO 30.06.2023)**  
**DEPARTMENT OF COMPUTER SCIENCE & ENGG.**

- (i) **Name** : COMPUTERSCIENCE&ENGG.
- (ii) **Year of Establishment:** 1995
- (iii) (a) **Vision** : The vision of the Department is to become a centre of excellence for education in Computer Science, Engineering and Applications. We visualize ourselves as an agency to nurture young minds into leaders of tomorrow in the field of higher education, research and development, and corporate world. We aim to produce creators and innovators who will work towards the overall well-being of the society.

- (b) **Mission** :
- To impart state-of-the-art knowledge in Computer Science and Engineering, Information Technology and Computer Applications.
  - To ensure our students graduate with a sound theoretical basis and wide-ranging practical experience.
  - To foster linkages between the Department and public and private sectors, traversing research establishments as well as Information Technology industry.
  - To promote ethical research of high quality.
  - To adopt the best pedagogical methods in order to maximize knowledge transfer.
  - To inculcate a culture of free and open discussions in the Department.
  - To engage students in learning, understanding and applying novel ideas.
  - To infuse scientific temper, professionalism, enthusiasm and team spirit.
  - To inspire a zest into students for lifelong learning.
  - To promote democratic values, an environment of equal opportunity for everyone irrespective of gender, religion and cast.
  - To attract and retain the talented and dedicated teaching and supporting staff, and students.

- (c) **Objectives** : To facilitate and promote studies and research in emerging areas of Information Technology and

Computer Engineering to achieve excellence in these fields.

#### IV) Programme (s) Offered in the Deptt:

Course	Sanctioned intake	Present Strength (Total)
Ph. D	As per availability	93
P.G (MCA & M.Tech.)	MCA-60 M.Tech.CSE)-30	119+25 = 144
U.G. (B.Tech. CSE)	B.Tech. CSE-120+24*	140+157+142+153 = 592
U.G. (B Tech IT)	B Tech IT-60+12*	71 +78 +76 +75 =300
U.G. (B Tech AI & ML)	B Tech AI & ML -60+12*	70 +77 +69 =216
Any other: Through Distance Mode BCA, PGDCA, MSc. Computer Science, MCA and MCA 5 year Integrated	To be obtained from DE	To be obtained from DE

\*LEET

#### (V) Faculty detail

(Attach a list of the Faculty alongwith their qualifications and Experiences)

	Sanctioned	Direct filled	Under CAS	Remarks if any
<b>Professor</b>	<b>06</b>	<b>00</b>	<b>10</b>	05 Associate Professor promoted to Professor Under CAS and 5 Assistant Professor promoted to Associate Professor and Professor Under CAS
<b>Associate Professor</b>	<b>12</b>	<b>05</b>	<b>08</b>	05 Associate Professor already promoted to Professor Under CAS and 3 Assistant Professor promoted to Associate Professor under CAS
<b>Assistant Professor</b>	<b>24</b>	<b>20 +1 ^</b>	<b>---</b>	<b>----</b>

^On Deputation From CDLSIET

#### Regular Faculty Details

Sr. No.	Name (s) of the Teaching Faculty	Designation	Qualification	Experience (in years)	Aadhar No.	PAN No.	H. Index (Scopus Based)
1	Prof. Dharminder Kumar	Professor	Ph.D.	32	239089902125	ABFPK5190H	12
2	Prof. Saroj	Professor	Ph.D.	25	931206527207	ADCPS6744C	9
3	Prof. Yogesh Chaba	Professor	Ph.D	26	236069072598	ABXPC4719N	8
4	Prof. Pradeep Bhatia	Professor	Ph.D	29	679569339054	ABSPK0744J	9

5	Prof. Rishi Pal Singh	Professor	Ph.D	23	739273315871	AMOPS6526M	9
6	Prof. Dharmender Kumar	Professor	Ph.D	19	666516797640	AKUPK2864N	5
7	Prof. Om Prakash Sangwan	Professor/C hairman	Ph.D	18	532941773117	BAFPS9422J	10
8	Prof. Sanjeev Kumar	Professor	Ph.D	18	464367608598	AMEDK8131G	1
9	Prof. Jyoti	Professor	Ph.D	17	643446335138	AASPV3228R	4
10	Dr. Sunila	Professor	Ph.D	16	627133340377	AKIPG3723G	3
11	Prof. Ritu	Associate Professor	Ph.D	16	894084915697	ALMPM1076F	
12	Dr. Sunil Nandal	Associate Professor	Ph.D	16	247902660918	AEJPN7499F	2
13	Prof. Jaswinder Singh	Associate Professor	Ph.D	18	626467081218	BDJPS4624P	1
14	Dr. Jai Bhagwan	Assistant Professor	Ph.D	10	358940769992	BIRPB5097A	1
15	Dr. Narender	Assistant Professor	Ph.D	14	698546657265	BYLPK8244A	2
16	Dr. Amandeep	Assistant Professor	Ph.D	13	507905484461	AYFPA3186L	3
17	Dr. Manoj	Assistant Professor	Ph.D	10	419867828438	CADPK3098R	1
18	Dr. Abhishek Kajal	Assistant Professor	Ph.D	13	471250008111	AYYPK8183G	3
19	Dr. Sakshi Dhingra	Assistant Professor	Ph.D	9	453298837928	CAYPD8849J	2
20	Dr. Anju	Assistant Professor	Ph.D	9	273437329627	APUPA9671A	5
21	Dr. Sunita	Assistant Professor	Ph.D	17	676448974943	ADVPG4092R	3
22	Dr. Deepak Nandal	Assistant Professor	Ph.D	10	405004378020	ANNPN6648K	2

23	Dr. Sunil Kumar	Assistant Professor	Ph.D	9	496138060190	CELPK2181R	
24	Dr. Krishan Kumar Ranga	Assistant Professor	Ph.D	23	506587087516	AGRPR7759J	
25	Dr. Seema (On Deputation)	Assistant Professor	Ph.D	18	921408831590	ABTPY1835 B	
26	Dr. Sunil Kumar	Assistant Professor	Ph.D	18.5	904540568045	ALOPK3967 D	10

**(VI) Office/Tech. staff detail:**

<b>Title of Position</b>	<b>Sanctioned Strength</b>	<b>In Position Strength</b>
System Manager	1	1
Programmer	1	NIL
Supdt.	1	NIL
Dy.Supdt.	2	1
Tech Asst – I	2	2
Sr. Hardware Technician	-	NIL
Asst	5	3
Sr. Scale Stenographer	1	NIL
JLA	2	NIL
Lab Tech	3	1+1*
Steno Typist	3	NIL
Clerk cum JDEO	5	2+1*
Lab-Attendant	8	8
Peon	4	1+2*

**\*on contract through contractor/HKRNL**

**VII) a) Students detail in respect of M.Sc., M.Tech., M.Pharm., M.Ph.Th., M.Com., MBA and MCA Programmes**

<i>Programme</i>	<i>Sanctioned Intake</i>	<i>Students admitted 1<sup>st</sup> Year</i>	<i>Students Present in Final Year</i>
M.Tech (CSE)	30	15	10
MCA	60	60	59

**(b) Students detail in respect of B.Tech,B.Pharm. and B.P.Th. Programmes****B.Tech (CSE)**

1 <sup>st</sup> year		2 <sup>nd</sup> year		3 <sup>rd</sup> year	4 <sup>th</sup> year
<i>Sanctioned Intake</i>	<i>Students admitted</i>	<i>Sanctioned intake through LEET</i>	<i>Students Present</i>	<i>Students Present</i>	<i>Students Present</i>
120	140	120 +12	135+22 = 157	153	142

**B.Tech (I.T.)**

1 <sup>st</sup> year		2 <sup>nd</sup> year		3 <sup>rd</sup> year	4 <sup>th</sup> year
<i>Sanctioned Intake</i>	<i>Students admitted</i>	<i>Sanctioned intake through LEET</i>	<i>Students Present</i>	<i>Students Present</i>	<i>Students Present</i>
60	71	60 + 6	70 +8 = 78	76	75

**B.Tech (AI & ML)**

1 <sup>st</sup> year		2 <sup>nd</sup> year		3 <sup>rd</sup> year	4 <sup>th</sup> year
<i>Sanctioned Intake</i>	<i>Students admitted</i>	<i>Sanctioned intake through LEET</i>	<i>Students Present</i>	<i>Students Present</i>	<i>Students Present</i>
60	70	60 + 6	77	69	--

**(c) Detail of Foreign Students, if any, admitted in the Department:**

Sr. No.	Name of Programme	No. of students Admitted	Name of Country

**(VIII) Research Scholars: Attach a separate list (Reg. No, Name, Name of Supervisor/Co-Supervisor)**

<b>Total no. of Ph.D. students</b>	<b>Registered during the year</b>	<b>Thesis submitted during the year</b>	<b>Thesis Awarded During the year</b>
93	12	14	14

**List of Pre. Ph.D 2022-23 Students**

<b>Sr. No.</b>	<b>Roll No.</b>	<b>Name</b>	<b>Father's name</b>	<b>Guide/Supervisor Name</b>
1	220010090101	NISHA	BALJIT	DR. JAI BHAGWAN
2	220010090102	SONI BEDAIN	RAJBIR SINGH	DR. DHARMENDER KUMAR
3	220010090103	MANDEEP KUMAR	MAHABIR SINGH	DR. ABHISHEK KAJAL
4	220010090104	ABHISHEK BISHNOI	PREM KUMAR	DR. JAI BHAGWAN
5	220010090105	PRIYANKA	RAJKUMAR	PROF. SANJEEV KHAMBRA
6	220010090107	NISHA RANI	RAMESH KUMAR	PROF. SANJEEV KHAMBRA
7	220010090108	NEHA	KRISHAN KUMAR	DR. ABHISHEK KAJAL
8	220010090109	RAJNI	MAHAVIR	DR. SAKSHI DHINGRA
9	220010090110	SUSHMA SAINI	DALEEP SINGH	DR. JAI BHAGWAN
10	220010090111	REKHA	PALE RAM	DR. ABHISHEK KAJAL
11	220010090112	JYOTI KAUSHIK	MADAN LAL KAUSHIK	DR. O.P.SANGWAN
12	220010090113	KANIKA	BHARAT BHUSHAN	PROF. YOGESH CHABA

**(IX) Sponsored Research/ Consultancy Projects:****(a.)**

<b>Total no. of Projects in Progress during the academic current year</b>	<b>Total No. of Projects awarded during the academic current year</b>	<b>Total No. of Projects Completed during the academic current year</b>
<b>04</b>	<b>--</b>	<b>--</b>

**(b.)**

<b>Title of the Project</b>	<b>Name of the Investigator(s)</b>	<b>Status: Completed/In Progress</b>	<b>Nature: Research/ Consultancy</b>	<b>Month &amp; Year of award</b>
Detection of Brain Tumor from MRI Images and its Classification	Prof. O.P. Sangwan	In Progress	Research	---
IOT Based Patient Tracking & Monitoring System	Prof. Dharmender Kumar	In Progress	Research	---
Crime Investigation Management Tool	Prof. O.P. Sangwan	In Progress	Research	---
Aatm-Nirbhar Teaching Plateform	Dr. Amandeep	In Progress	Research	---

**X) Number of Publications of Faculty (in Total)**

<b>Books/ Book Chapter</b>	<b>Research papers</b>		<b>Research paper</b>		<b>Other Articles</b>
	<b>SCI/Scopus</b>	<b>UGC Care</b>	<b>Refereed</b>	<b>Non refereed</b>	
Book- 04 Chapter-10	35	10	45	--	--

**(XI) Faculty wise detail of publication during the academic year:****a) Books/Book Chapters/ Monograph etc.**

<b>Authors</b>	<b>Title</b>	<b>Year of publication</b>	<b>Type of books(Text/Reference/Report)</b>	<b>Publishers</b>	<b>DOI/URL</b>
Prof Pradeep Kumar Bhatia	Machine Learning	2023	Book	VK Publisher Pvt Ltd Delhi	---
Prof Pradeep Kumar Bhatia	Issues and Challenges Associated with Machine Learning Tools for Health Care System	2022	Book Chapter	Data Science for Effective Healthcare Systems, pp 69-78	---
Dr. Ritu Makani	Role of Digital Technology during the pandemic	March 2023	Book Chapter	AN Publications	---
Jaswinder Singh	Explainable Artificial Intelligence: Concepts and Current Progression. In Explainable Edge AI: A Futuristic Computing Perspective. Studies in Computational Intelligence	Nov. 2022	Book Chapter	Springer, Cham.	<a href="https://doi.org/10.1007/978-3-031-18292-1_1">https://doi.org/10.1007/978-3-031-18292-1_1</a>
Jaswinder Singh	A Comprehensive Study of Crop Disease Detection using Machine Learning Classification Techniques In: Key Digital Trends Shaping the Future of Information and Management	May, 2023	Book Chapter	Springer, Cham.	<a href="https://doi.org/10.1007/978-3-031-31153-6_41">https://doi.org/10.1007/978-3-031-31153-6_41</a>



	Science. ISMS 2022. Lecture Notes in Networks and Systems, vol. 671				
Anju Sangwan & Anupma Sangwan	A Hybrid Approach to Optimize Handover Margin in UWSN by Integration of ACO with PSO and MVO: A Comparative Analysis	2022	Book Chapter	Springer	DOI:10.1007/978-981-19-3679-1_25
Dr Deepak Nandal,	The Complete Guide to DBMS: DBMS Fundamentals: A Practical Approach	2023	Book	Amazon publishing unit (APub)	---
Dr Deepak Nandal, Dr Vikas, Dr Monica	The Fundamentals of Software Engineering: A Roadmap for Success:	2023	Book	Amazon publishing unit(APub)	---
Sunil Kumar	Computer Operator and Programming Assistant	2023	Book	Satya Prakashan	---
Khushboo Taneja, Jyoti Vashishtha	Comparison of Transfer Learning and Traditional Machine Learning Approach for Text Classification	2022	Book Chapter	INDIACom	10.23919/INDIACom54597.2022.9763279
Himanshi, Jyoti Vashishtha	A Holistic Study on Aspect-Based Sentiment Analysis	2023/ Springer Link	Book Chapter	Algorithms for Intelligent systems (AIS)	<a href="https://doi.org/10.1007/978-981-99-1435-7_20">https://doi.org/10.1007/978-981-99-1435-7_20</a>

Ms Priyanka Arora, Dr. Ritu Makani	Role of Digital Technology during the pandemic	March 2023	Book Chapter	AN Publications	---
Om Prakash Sangwan	Information Retrieval in Conjunction with Deep Learning	2022	Book Chapter	IGI Global Publisher	---
Om Prakash Sangwan	Deep Learning Approaches for Textual Sentiment Analysis	2022	Book Chapter	IGI Global Publisher	---

**b) Research Papers/ Articles in Journals**

<b>Sr. No.</b>	<b>Authors</b>	<b>Year</b>	<b>Title of paper</b>	<b>Name of journal</b>	<b>Publishers</b>	<b>Vol.&amp; No.</b>	<b>Pages</b>	<b>SCI/Scopus</b>	<b>ISSN No.</b>	<b>DOI</b>
1.	Dharminder Kumar	2022	Hyperspectral image classification using meta-heuristics and artificial neural network	Journal of Information and Optimization Sciences (JIOS)	Taylor & Francis online	43(8, 16) 2022	---	---	2167-2179	<a href="https://doi.org/10.1080/02522667.2022.2133222">https://doi.org/10.1080/02522667.2022.2133222</a>
2.	Saroj Ratnoo	2023	Cluster analysis of socio-economic factors and academic performance of school students	Indonesian Journal of Electrical Engineering and Computer Science	Indonesian Journal of Electrical Engineering and Computer Science	31(3)	---	Scopus	2502-4752	10.11591/ijeecs.v31.i3.p1568-1577.
3.	Saroj Ratnoo	2023	Ensemble Transfer Learning for Robust Human Activity Recognition from Images	International Journal of Computer Information Systems and Industrial Management Applications	International Journal of Computer Information Systems and Industrial Management Applications	15 2023	250-258	Scopus	2150-7988	---
4.	Saroj Ratnoo	2022	Fine Tuning CNN for COVID-19 Patterns Detection from Chest Radiographs	International Journal Reliable and Quality E-Health	International Journal Reliable and Quality E-Health	11(4)	1–15	Scopus	2160-9551	10.4018/IJRQE.308801
5.	Saroj Ratnoo	2022	Predicting student dropouts using random forest	Journal of Statistics and Management Systems	Journal of Statistics and Management Systems	25(7)	1579–1590	---	0972-0510	10.1080/09720510.2022.2130570
6.	Pradeep Kumar Bhatia	2023	An Application of PSO in TEST Suite Minimization	International Journal of Experimental Research and Review	International Journal of Experimental Research and Review	---	---	Scopus	2455-4855	---

7.	Pradeep Kumar Bhatia	2023	An Improved Artificial Bee Colonel Optimization Algorithm for Test Suit Minimization	International Journal of Advanced Computer Science and Applications	The Science and Information Origination	14(7)	675-684	ESCI, Scopus	2156-5570	---
8.	Pradeep Kumar Bhatia	2022	Performance Analysis of Software Etios Test Effort Estimation using Genetic Algorithm and Neural Network	International Journal of Advanced Computer Science and Applications	The science and information Origination	13(10)	376-383	SCI	2156-5570	<a href="https://doi.org/10.14569/IJACSA.2022.0131045">10.14569/IJACSA.2022.0131045</a>
9.	Pradeep Kumar Bhatia	2022	An Advanced Testing Effort Calculation Algorithm Architecture using GA and Neural Network	International Journal of Engineering Trends and Technology	SSRG	29(5)	60-73	Scopus	2231-5381	<a href="https://doi.org/10.14445/22315381/IJETT-V70I5P208">10.14445/22315381/IJETT-V70I5P208</a>
10.	Rishi Pal Singh	2022	Enhancing the Security and Performance of Cloud-Based Distance Education System	Lecture Notes in Electrical Engineering	Springer Nature	888	229-246	Scopus	2367-3389	<a href="https://doi.org/10.1007/978-981-19-1520-8_18">https://doi.org/10.1007/978-981-19-1520-8_18</a>
11.	Rishi Pal Singh	2022	A Classification of Misbehaviour detection Schemes for VANET: A Survey	Wireless Personal Communications	Springer Nature	129(1)	285-322	SCI	0929-6212	<a href="https://doi.org/10.1007/s11277-022-10098-1">https://doi.org/10.1007/s11277-022-10098-1</a>
12.	Dharmender Kumar	2023	Enhanced Grey Wolf Optimization based Hyper-parameter optimized Convolution Neural Network for Kidney Image Classification	International Journal on Recent and Innovation Trends in Computing and Communication	Auricle Global Society of Education and Research	11(5)	363-374	Scopus	2321-8169	<a href="https://doi.org/10.17762/ijritcc.v11i5.6624">https://doi.org/10.17762/ijritcc.v11i5.6624</a>

13.	Dr. Ritu Makani	2022	Working Principles, Application areas, and Challenges for Blockchain Technology	Mathematical Statistician and Engineering Applications	Auricle Technologies, Pvt., Ltd	71(4)	8429-8439	Scopus	2094-0343	<a href="http://philstat.org.ph">http://philstat.org.ph</a>
14.	Dr. Ritu Makani	2022	The Role of Artificial Intelligence into Health Care	ANVESAK	ANVESAK	52(2)	91-93	UGC Care Group I Journal	0378-4568	----
15.	Jaswinder Singh	2023	An Experimental Study of tomato Viral leaf diseases detection using machine learning classification techniques	Bulletin of Electrical Engineering and Informatics	Institute of Advanced Engineering and Science	12(1)	451-461.	Scopus	2089-3191	<a href="https://doi.org/10.11591/eei.v12i1.4385">https://doi.org/10.11591/eei.v12i1.4385</a>
16.	Jaswinder Singh	2023	Comparative Analysis of Predictive Machine Learning Algorithms for Diabetes Mellitus	Bulletin of Electrical Engineering and Informatics	Institute of Advanced Engineering and Science	12(3)	1728-1737	Scopus	2089-3191	<a href="https://doi.org/10.11591/eei.v12i3.4412">doi.org/10.11591/eei.v12i3.4412</a>
17.	Jaswinder Singh	2022	A Comprehensive study of Disease Prediction using Machine Learning	International Journal of Advanced Computational Engineering and Networking	Institute of Technology and Research	10(7)	28-35	---	2320-2106	<a href="https://www.iajournals.com/doi/10.17993/iajournals.18835">iraj.doionline.org/dx/IJA-CEN-IRAJ-DOIONLINE-18835</a>
18.	Jaswinder Singh	2022	Extensive Review of Comparative Study of OSPF, Rip and EIGRP Routing Protocols based on Quantitative Metrics	International Journal of Advanced Computational Engineering and Networking	Institute of Technology and Research	10(8)	7-11	---	2320-2106	<a href="https://www.iajournals.com/doi/10.17993/iajournals.18956">iraj.doionline.org/dx/IJA-CEN-IRAJ-DOIONLINE-18956</a>

19.	Narender Kumar	2023	Enhanced Grey Wolf Optimization based Hyper-parameter optimized Convolution Neural Network for Kidney Image Classification, International Journal on Recent and Innovation Trends in Computing and Communication	International Journal on Recent and Innovation Trends in Computing and Communication	Auricle Global Society of Education and Research	11(5)	363–374	Scopus	2321-8169	<a href="https://doi.org/10.17762/ijritcc.v11i5.6624">https://doi.org/10.17762/ijritcc.v11i5.6624</a>
20.	Amandeep Noliya	2023	Performance Analysis of Support Vector Machine Learning Based Carrier Aggregation Resource scheduling in 5G Mobile Communication	Elsevier Procedia Computer Science	Elsevier	218	2776–2785	Scopus	1877-0509	<a href="http://www.sciencedirect.com/science/article/pii/S1877050923002491">/www.sciencedirect.com/science/article/pii/S1877050923002491</a>
21.	Amandeep Noliya	2023	Investigating Resource Allocation Techniques and Key Performance Indicators (KPIs) for 5G New Radio Networks: A Review	International Journal of Computer Networks and Applications (IJCNA)	Ever Science Publications	10(3)	422-442	Scopus	2395-0455	<a href="http://www.ijcna.org/Manuscripts/IJCNA-2023-O-31.pdf">www.ijcna.org/Manuscripts/IJCNA-2023-O-31.pdf</a>
22.	Abhishek Kajal	2023	Enhancement of Accuracy and performance of Deep Learning System for Intrusion Detection	Grenze International Journal of Engineering and Technology	Grenze Scientific Society	9(2)	947 – 954	---	2395-5295	<a href="http://thegrenze.com/index.php?display=page&amp;view=journalabstrac">thegrenze.com/index.php?display=page&amp;view=journalabstrac</a>

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23.	Anju Sangwan	2022	A Classification of Misbehaviour detection Schemes for VANET: A Survey	Wireless Personal Communications	Springer Nature	129(1)	285-322	SCI	0929-6212	<a href="https://doi.org/10.1007/s11277-022-10098-1">https://doi.org/10.1007/s11277-022-10098-1</a>
24.	Anju Sangwan		The Use of Computational Geometry Techniques to Resolve the Issues of Coverage and Connectivity in Wireless Sensor Networks	Sensors	MDPI	22(18)	1-32	SCI	1424-8220	10.3390/s22187009
25.	Anju Sangwan	2023	A Review and Analysis of Localization Techniques in Underwater Wireless Sensor Networks	Computers Materials & Continua	Tech Science Press	75(3)	5697-5715	SCI	1546-2218	10.32604/cm.2023.033007
26.	Sunil Kumar	2022	An Optimal Random Forest Classifier for Diagnosing Covid-19 from X-ray and CTscan Images	Journal of Scientific Research,	JSR	66(2)	189-197	---	0447-9483	DOI: 10.37398/JSR.2022.660225
27.	Seema Rani	2023	Wearable Sensors and IOT Integration towards Personalized and Pervasive Healthcare	European Chemical Bulletin.	European Chemical Bulletin.	12(3)	4712-4723	Scopus	2063-5346	DOI: 10.31838/ecb/2023.12.s3.528
28.	Ayush Sharma	2023	Energy Efficient Data Aggregation Approach	International Journal of Recent	(BEIESP)	12(2)	84-90	---	2277-3878	----

			for Sensor Network using TrustMechanism	Technology and Engineering (IJRTE)						
29.	Anupma Sangwan	2022	Enhancing the Security and Performance of Cloud-Based Distance Education System	Lecture Notes in Electrical Engineering	Springer Nature	888	229-246	Scopus	1876-1100	<a href="https://doi.org/10.1007/978-981-19-1520-8_18">https://doi.org/10.1007/978-981-19-1520-8_18</a>
30.	Anupma Sangwan	2022	The Use of Computational Geometry Techniques to Resolve the Issues of Coverage and Connectivity in Wireless Sensor Networks	Sensors	MDPI	22(18)	1-32	SCI	1424-8220	<a href="https://doi.org/10.3390/s22187009">https://doi.org/10.3390/s22187009</a>
31.	Anupma Sangwan	2022	Determinants of Teacher's Attitude towards Online Teaching and Learning	Journal of Curriculum and Teaching	Sciedu Press	11(8)	134-147	Scopus	1927-2677	<a href="https://doi.org/10.5430/jct.v11n8p134">https://doi.org/10.5430/jct.v11n8p134</a>
32.	Anupma Sangwan	2023	A Classification of Misbehavior Detection Schemes for VANETs: A Survey	Wireless Personal Communications	Springer Nature	129	285-322	SCI	0929-6212	<a href="https://doi.org/10.1007/s11277-022-10098-1">https://doi.org/10.1007/s11277-022-10098-1</a>
33.	Anupma Sangwan	2022	A Hybrid Approach to Optimize Handover Margin in UWSN by Integration of ACO with PSO and MVO: A Comparative Analysis	Lecture Notes in Networks and Systems	Springer Nature	492	323-337	Scopus	2367-3389	<a href="https://doi.org/10.1007/978-981-19-3679-1_25">https://doi.org/10.1007/978-981-19-3679-1_25</a>



34.	Anupma Sangwan	2023	A Review and Analysis of Localization Techniques in Underwater Wireless Sensor Networks	Computers, Materials & Continua	Tech Science Press	75(3)	5697-5715	SCI	1546-2218	<a href="https://doi.org/10.32604/cmc.2023.033007">https://doi.org/10.32604/cmc.2023.033007</a>
35.	Sunil Kumar	2022	SMART GRID IOT SECURITY THREATS AND MITIGATION FRAMEWORKS: A REVIEW	Journal of East China University of Science and Technology	East China University of Science and Technology	65(3)	984-990	Scopus	1006-3080	<a href="http://hdl.handle.net/10.32604/cmc.2023.033007">http://hdl.handle.net/10.32604/cmc.2023.033007</a>
36.	Sunil Kumar	2023	Ensemble Learning based malicious node detection in SDN based VANETs	Journal of Information Systems Engineering and Business Intelligence (JISEBI)	Universitas Airlangga, Indonesia	9(2)	---	Scopus	2443-2555	---
37.	Jyoti Vashishtha	2023	Efficient Deep Pre-Trained Sentence Embedding Model for Similarity Search	International Journal of Computer Information Systems and Industrial Management Applications	MIR Labs USA	15	605-615	Scopus	2150-7988	---
38.	Ritu Makani	2022	Working Principles, Application areas, and Challenges for Blockchain Technology	Mathematical Statistician and Engineering Applications	Auricle Technologies, Pvt., Ltd	71(4)	8429-8439	Scopus	2094-0343	<a href="http://philstat.org.ph">http://philstat.org.ph</a>

39.	Ritu Makani	2022	THE ROLE OF ARTIFICIAL INTELLIGENCE INTO HEALTH CARE	ANVESAK	ANVESAK	52(2)	91-93	UGC Care Group I Journal	0378-4568	---
40.	Ritu Makani and Amandeep	2023	Secure and Compatible Integration of Cloud-Based ERP Solution: A Review	International Journal of Intelligent Systems and Applications in Engineering	Ismail Saritas	11(9)	695-707	Scopus indexed	2147-6799	<a href="https://doi.org/10.5815/ijisa">https://doi.org/10.5815/ijisa</a>
41.	Ritu Makani and Amandeep	2023	Secure and Compatible Integration of Cloud-Based ERP Solution	Journal of Army Engineering	University of PLA	23(1)	183-189	Scopus	2097-0730	---
42.	Om Prakash Sangwan	2023	Classifying Weather Images using Deep Neural Networks for Large Scale Datasets	International Journal of Advanced Computer Science and Applications	International Journal of Advanced Computer Science and Applications	14(1)	337-343	Web of Science	2156-5570	<a href="https://doi.org/10.14569/IJACSA.2023.0140136">https://doi.org/10.14569/IJACSA.2023.0140136</a>
43.	Om Prakash Sangwan	2022	Framework for Evaluating Cloud Computing Services using AHP and TOPSIS Approaches with Interval Valued Spherical Fuzzy Sets	Journal of Cluster Computing	Springer	25(6)	4383–4396	ESCI	1573-7543	<a href="https://doi.org/10.1007/s10586-022-03679-z">https://doi.org/10.1007/s10586-022-03679-z</a>

44.	Om Prakash Sangwan	2023	Quality of Service Prediction Model in Cloud Computing using Adaptive Dynamic Programming Parameter Tuner	International Journal of Grid and Utility Computing	Inder Science	14(1)	---	ESCI	1741-8488	<a href="https://doi.org/10.1504/IJGUC.2023.129699">https://doi.org/10.1504/IJGUC.2023.129699</a>
45.	Om Prakash Sangwan	2023	Feature Agglomeration Based Framework for Software Bug Prediction	Indian Journal of Computer Science and Engineering	Indian Journal of Computer Science and Engineering	13(3)	642-652	Scopus	0976-5166	<a href="https://doi.org/indjese/2022/v13i3/221303033">https://doi.org/indjese/2022/v13i3/221303033</a>

**(XII) Participation of faculty in Seminars/Conferences/Workshops and refresher courses etc. during the period:**

**(a) Total Number of Seminars/ Conferences attended by faculty and papers presented**

Positions	Attended			Papers presented		
	International	National	Total	International	National	Total
Professor	12	1	--	12	1	--
Associate Professor	2	--	--	2	--	--
Assistant Professor	16	--	--	16	--	--

**(b)International Conferences/ Seminars/ Workshops:**

<b>Sr. No.</b>	<b>Name of the Teacher/ Faculty</b>	<b>Title of paper presented</b>	<b>Theme of conference/ Seminar</b>	<b>Name of Host organization</b>	<b>Place</b>	<b>Dates</b>	<b>Funded by UGC/DST CSIR/AICTE/ Univ./etc</b>	<b>DOI</b>
1.	Dharminder Kumar	A review on Dynamic Load Balancing Algorithms	3rd International Conference on Computing, Communication, and Intelligent Systems ICCIS-2022	ICCCIS-2022	Greater Noida, India pp. 515-520	4-5 November 2022	---	10.1109/ICCCIS56430.2022.10037671 (978-1-6654-6200-6/22/\$31.00 ©2022 IEEE) (IEEE Xplore)
2.	Dharminder Kumar	Stock price prediction using Machine Learning Techniques: A review	2nd international Conference on Computational intelligence and sustainable Engineering Solutions (CISES-2023)	---	---	April 28-30, 2023	---	10.1109/CISES58720.2023.10183507 (IEEE Xplore)
3.	Saroj Ratnoo	Review of Deep Learning Techniques for Human Activity Recognition	22 <sup>nd</sup> International Conference on Hybrid Intelligent Systems	Lecture Notes in Networks and Systems	---	2022	---	---
4.	Saroj Ratnoo	Population-Based Meta-heuristics for Feature Selection: A Multi-objective Perspective	Proceedings of International Conference on Data Science and Applications	Springer Nature	---	2023	---	10.1007/978-981-19-6631-6_18

5.	Saroj Ratnoo	Reviewing Machine Learning Algorithms for Fake News Detection,	Computing and Intelligent Systems	CIS	Goa, India	2023	---	<a href="https://doi.org/10.56155/978-81-955020-2-8">https://doi.org/10.56155/978-81-955020-2-8</a>
6.	Pradeep Kumar Bhatia	A review on Nature Inspired Algorithm for Test Suite Optimization	AI Conference Proceeding	AIP Publication	---	2023	---	---
7.	Pradeep Kumar Bhatia	Multiple Feature based Classification for the Prediction of Brain Tumour	Seventh International Conference on Parallel, Distributed and Grid Computing (PDGC)	IEEE	---	2022	---	---
8.	Pradeep Kumar Bhatia	Selection of Effective Parameters for Optimizing Software Testing Effort Estimation	In conference Proceeding Published by Taylor's & Frances (Accepted)	Taylor's & Frances	---	2022	---	---
9.	Om Prakash Sangwan	A Novel Approach for Software Effort Estimation using Optimized C&K Metrics	2022 Fifth International Conference on Computational Intelligence and Communication Technologies (CCICT)	IEEE	BM Institute of Engineering and Technology, Sonapat	2022	---	---

10	Om Prakash Sangwan	Feature Reduction Techniques for Software Bug Prediction	3rd International Conference on Innovations in Communication Computing and Sciences	American Institute of Physics (AIP) Series, AIP proceeding	---	2023	---	DOI: <a href="https://doi.org/10.1063/5.0105725">https://doi.org/10.1063/5.0105725</a>
11	Om Prakash Sangwan	Cloud Service Selection using Various MCDM Techniques: A Comparative Analysis	13th International Conference on Soft Computing and Pattern Recognition	Springer	---	2023	---	DOI: <a href="https://doi.org/10.1007/978-3-030-96302-6_34">https://doi.org/10.1007/978-3-030-96302-6_34</a>
12	Om Prakash Sangwan	A Software Quality Prediction Model for Aspect-Oriented System using Neuro-Fuzzy Approach	International Conference on Engineering & Technology	International Conference on Engineering & Technology	Chandigarh, India	2023	---	---
13	Ritu Nagpal	Blockchain Technology and Its Applications: A Systematic Review of the Literature	International Conference on Computational and Intelligent Data Science	International Conference on Computational and Intelligent Data Science	Panipat, Haryana	2022	---	<a href="https://papers.ssrn.com/so13/papers.cfm?abstract_id=4121824">https://papers.ssrn.com/so13/papers.cfm?abstract_id=4121824</a> (website)
14	Ritu Nagpal	Intrusion Detection System: An Analytical Approach	International Conference on Recent Advances in Engineering and Technology	Science Globe	Thiruvananthapuram	01 Feb 2023	---	---

15	Amandeep Noliya	Analysis of different Resource Allocation Techniques used in 5G Mobile Networks	13th International Conference on Advances in Computing, Control, and Telecommunication Technologies,	SCOPUS	---	ACT 2022, 8, pp. 1178–1183	---	---
16	Amandeep Noliya	A review on sentiment Analysis using Machine Learning	IEEE International Conference on Innovative Data Communication Technologies and Application (ICIDCA-2023)	IEEE	University, Dehradun	14-16, March 2023	---	ISBN: 979-8-3503-9719-2, Page No. 139 142. (Scopus Index)
17	Amandeep Noliya	Analysis of machine learning based IDS for detection of Anomaly Profiles,	International Conference on Computer Science,	Cyber Security and Information Technology (CCIT)	---	2023	---	---
18	Amandeep Noliya	Advanced Persistent Threat and Machine Learning,	2nd International Conference on Recent Development	Engineering, Sciences, Humanities, and Management [ESHM-2023]	Government Engineering College Bharatpur, Rajasthan and International Association of Research and Developed	18th March 2023	---	ISBN: 978-93-91535-43-8, pp. 405-411.

19	Amandeep Noliya	INCORPORATING E- INVOICING IN CLOUD-BASED ERP SOLUTION	8th International Conference on Research Developments in	Applied Science, Engineering & Management (AEM-2023)	the Indian council of social science research, Punjab University Campus, Chandigarh,	pp. 334- 341, 30 july 2023,	---	ISBN- 978-93- 91535-55-1
20	Dr Manoj	Accuracy enhancement for decision making in vanet using machine learning approach	13th International Conference on Advances	Communication, Network, and Computing – CNC 2022	Bengaluru, India.	Jul 29-30, 2022	---	---
21	Dr Manoj	Key Cryptographic Methods in the Cloud: A Comparative Study.	3rd International Conference on Intelligent Communication and Computational Techniques (ICCT)	IEEE	Jaipur, India	Jan 19, 2023	---	---
22	Dr Manoj	A Hybrid Cryptography Approach Using Symmetric, Asymmetric and DNA Based Encryption	3rd International Conference on Intelligent Communication and Computational Techniques (ICCT)	IEEE	Jaipur, India	Jan 19, 2023	---	---



23	Dr. Abhishek Kajal	A Review of Intrusion Detection Systems using Deep Learning Techniques	International Conference on intelligent Computing Technologies and Research (i-COMPUTER 2023)	Department of Computer Science and Engineering, National Institute of Technology (NIT), Puducherry	Karaikal	March 24-25, 2023	---	---
24	Dr. Abhishek Kajal	Accuracy Enhancement for Intrusion Detection Systems using LSTM Approach	Springer international Conference on Recent Developments in Cyber Security (ReDCySec-2023)	Center for Cyber Security and Cryptology, Sharda University	Greater Noida	June 16-17, 2023	---	---
25	Prof O.P Sangwan, Dr Deepak Nandal, Rekha	A Novel Approach for Software Effort Estimation using Optimized C&K Metrics	2022 Fifth International Conference on Computational Intelligence and Communication Technologies (CCICT)	IEEE	'BM Institute of Engineering and Technology, Sonapat	8th-9th July 2022	---	---
26	Dr Deepak Nandal, Pooja Brar	A Systematic Literature Review of Machine Learning Techniques for Software Effort Estimation Models	2022 Fifth International Conference on Computational Intelligence and Communication Technologies (CCICT)	IEEE	BM Institute of Engineering and Technology, Sonapat	8th-9th July 2022	---	---

27	Dr Deepak Nandal, Pankaj	Cryptocurrency Price Prediction by Integrating Optimization Mechanism to Machine Learning	Hinweis International Conference on Advances in Information, Telecommunication and Computing	Scopus	Grenze Scientific Society, 2023	17th-18th Feb 2023	---	---
28	Sakshi Dhingra	A review on Dynamic Load Balancing Algorithms	3rd International Conference on Computing, Communication, and Intelligent Systems ICCIS-2022	ICCCIS-2022	Greater Noida, India pp. 515-520	4-5 November 2022	---	10.1109/ICCCIS56430.2022.10037671 (978-1-6654-6200-6/22/\$31.00 ©2022 IEEE) (IEEE Xplore)
29	Sunil Kumar	Federated Learning Approaches to Diverse Machine Learning Model: A Review	7th international Conference on Information and communication Technology for Intelligent System	Springer Nature	LNNS, volume 720	- pp. 259–269	---	---

**(c) National Conferences/ Seminars/ Workshops:**

Name of Teacher/ Faculty	Title of paper presented	Theme of conference/ Seminar	Name of Host organization	Place	Dates	Funded by UGC/DST CSIR/AICTE /Univ./etc.
Pradeep Kumar Bhatia	Practicing Testing Efforts Estimation Using Soft Computing Techniques	National Conference on Future Innovation in Computing Technology and Machine Learning(FICTM-17)	DCSA MDU , Rohtak.	Rohtak	---	---

**(d)Regional/ State Level Conferences/ Seminars/ Workshops:**

Name of Faculty	Title of paper presented	Theme of Conference/ Seminar	Name of Host organization	Place	Dates/ Duration	Funded by UGC/DST CSIR/AICTE /Univ./etc.

**(e)Refresher Courses/ Orientation Courses:**

Sr. No.	Name of Teacher/ Faculty	Title of Refresher Course	Host organization	Dept.	University	Place	Date
1.	Dr. Jaswinder Singh	Machine Learning for Internet of Things	GJUST, Hisar	Deptt. of Emerging Technology	GJUST	Hisar	15 /5 2023 -to- 20/5/2023
2.	Dr. Jaswinder Singh	Emerging Trends in Data Analytics, Machine Learning, Cloud Computing and Internet of Things	Amity University	Deptt. of Computer Science, Amity School of Engineering & Technology	Amity University	Noida	12/6/2023. - -to-- 16/6/2023
3.	Dr. Narender Kumar	Refresher Course on “Artificial Intelligence and Machine Learning”	HRDC Punjabi Uni. Patiala	HRDC	PU Patiala	On-line	09-01-23 to 21-01-23
4.	Dr. Narender Kumar	FDP on “Malware Analysis with Data Science”	Electronic and ICT Academy ,IITDM Jabalpur MNIT Jaipur and NIT Patna	---	Electronic and ICT Academy ,IITDM Jabalpur MNIT Jaipur and NIT Patna	On-line	29-08-22 To 09-09-22
5.	Dr Manoj	Artificial Intelligence and Machine Learning	HRDC, Punjabi University, Patiala, Punjab, India.	HRDC	Punjabi University, Patiala	Patiala, Punjab, India.	---

6.	Dr Manoj	AICTE Training And Learning (ATAL) Academy Blended/Hybrid FDP on "5G from Theory to Practice"	Amrita Vishwa Vidyapeetham	---	Amrita Vishwa Vidyapeetham	Bengaluru campus	---
7.	Dr Manoj	One Week Faculty Development Programme on "Artificial Intelligence & Machine Learning"	organized by Department of Emerging Technology, GJUS&T, Hisar	Department of Emerging Technology	GJUS&T, Hisar	GJUS&T, Hisar	---
8.	Dr Manoj	One-day awareness Workshop programme on "Energy Conservation Building Code (ECBC) and Eco Niwas Samhita Code (ENS)"	ECBC and ENS Cell	---	HAREDA in association BEE	GJUS&T, Hisar	---
9.	Dr. Abhishek Kajal	Refresher Course on Artificial Intelligence and Machine Learning	Punjabi University, Patiala	HRDC	Punjabi University	Patiala	Jan 09-21, 2023
10.	Dr. Abhishek Kajal	One week FDP on "Electronics and Communication Technologies for futuristic Applications"	AKG Engineering College, Ghaziabad, UP	Department of ECE	Dr. A.P.J. Abdul Kalam Technical University	Lucknow, UP	Dec 28 2022 – Jan 02 2023
11.	Dr. Abhishek Kajal	One week FDP on Research Techniques in Science and Technology	Gargi College, University of Delhi (DU)	Gargi College	University of Delhi (DU)	Delhi	July 18 – 23 2022
12.	Dr. Sakshi Dhingra	One week Faculty Development Program on "Recent Advances in Computer science and Allied Domains (RACSAD-2023)"	Department of CSE and CSA	CSE & CSA, Sharda University	Sharda University	---	26th June to 01st July 2023

13.	Dr. Sunil Kumar	Artificial Intelligence and Machine Learning	HRDC, Punjabi University,	HRDC	Punjabi University,	Patiala	09-01-2023 to 21-01-2023
14.	Dr. Sunil Kumar	Malware Analysis with Data Science	Joint NIT Patna, IIITDM Jabalpur and MNIT Jaipur	Ministry of Electronics Information Technology	Ministry of Electronics Information Technology	Jaipur	29-08-2022 to 09-10-2022
15.	Dr. SEEMA	Cyber Threats and Security Measures	NITTTR, Chandigarh	Computer Science and Engineering	NITTTR, Chandigarh	Chandigarh	25/07/2022 to 29/07/2022(One week)
16.	Dr. SEEMA	Online Learning and Online Evaluation	NITTTR, Chandigarh	Computer Science and Engineering	NITTTR, Chandigarh	Chandigarh	20/03/2023 to 24/03/2023(One week)
17.	Dr. Anupma Sangwan	AICTE recognized Faculty Development Programme on “Embedded C Programming of Microcontroller”	NITTTR, Chandigarh	Electrical Engineering	NITTTR, Chandigarh	Online	25th to 29th July, 2022
18.	Dr. Anupma Sangwan	Professional Development Programme on ‘Implementation of NEP2020 for University and College Teachers’	IGNOU, New Delhi	STRIDE	IGNOU, New Delhi	Online	18th to 24th November, 2022
19.	Dr. Sunil Kumar	Online Faculty Development Programme (FDP) on Implementation of Data Science Applications using Python Sponsored	NIT Warangal	Electronics & ICT Academy	NIT Warangal	Warangal	11-07-2022 to 21-07-2022

		by Ministry of Electronics and Information Technology (MeitY), GOI					
20.	Dr. Sunil Kumar	Hybrid Mode Faculty Development Program on Recent Advancements in Science and Technology	Alliance University, Bengaluru	Department of Science	Alliance University, Bengaluru	Bengaluru	06-03-2023 to 10-03-2023

**(f) National/International Webinars Attended**

Sr. No.	Name of Teacher/Faculty	Title of webinar	Name of Host organization	Dates
1.	Dr Manoj	IP Awareness/Training program under National Intellectual Property Awareness Mission	Intellectual Property Office, India.	February 07, 2023
2.	Dr. Abhishek Kajal	5- Day Webinar series on 'Futuristic Digital Technologies	International Institute of Artificial Intelligence and Machine Learning (IIAM), AMET University, Chennai	July 25th – 29th, 2022.

**(g) Total number of Refresher/ Orientation Course/Webinar attended:**

- i) Refresher Course : 18  
 ii) Orientation Course: --  
 iii) Webinar : 02  
 iv) Total :20

**(XIII) Association with National and State Level Bodies**

**(Give Faculty-wise details):**

**i) Membership of Professional Bodies:**

Prof. Dharminder Kumar	<ul style="list-style-type: none"> <li>Life member of Computer Society of India</li> <li>Member, IAENG (ID. No. 111174)</li> <li>Member, SPSTI (ID. No. LM1034)</li> </ul>
Prof. Pradeep Kr. Bhatia	<ul style="list-style-type: none"> <li>IMRF Institution of Higher Education &amp; Resreach, India, Govt of A.P.</li> </ul>
Dr. O.P. Sangwan	<ul style="list-style-type: none"> <li>Life Member, Computer Society of India, India. (Membership No. 01083699)</li> </ul>

	<ul style="list-style-type: none"> <li>• Member, IACSIT (International Association of Computer Science and Information Technology, USA (Membership No. 80331424)</li> <li>• Member, Computer Science Teacher Association, New York, USA (Membership No. 4711935)</li> <li>• Member, International Association of Engineers (IAENG), Hong Kong (Membership No. 123697)</li> <li>• Member, IACSIT (International Association of Computer Science and Information Technology, USA (Membership No. 80331424)</li> <li>• Reviewer, Internal Journal of Expert Systems with Applications or its Open Access Mirror, Elsevier.</li> <li>• Reviewer, Advances in Science, Technology and Engineering Systems Journal (ASTES), UK and United States.</li> <li>• Reviewer, Journal of King Saud University - Computer and Information Sciences, Elsevier.</li> <li>• Reviewer, Computer Methods and Programs in Biomedicine, Elsevier.</li> <li>• Reviewer, SN Applied Science (SNAS), Springer Nature.</li> </ul>
Jaswinder Singh	International Association of Engineers
Amandeep	International Association of Engineers
Mr. Manoj Yadav	<ul style="list-style-type: none"> <li>• (AMIE) Associate members of the Institution of Engineers(India) (Membership No AM1753781)</li> </ul>
Narender Kumar	<ul style="list-style-type: none"> <li>• ISTE Member</li> </ul>
Abhishek Kajal	<ul style="list-style-type: none"> <li>• CSI</li> </ul>
Sunil Kumar	<ul style="list-style-type: none"> <li>• Working as <b>SPOC</b> for Smart India Hackathon event since 2017 to 2022,Guru Jambheshwar University of Science&amp; Technology.</li> </ul>
Krishan Kumar	<ul style="list-style-type: none"> <li>• The Institute of Engineering (India), [IEI]</li> <li>• Indian Society for Telecommunication Engineers [ISTE]</li> </ul>
SEEMA RANI	<ol style="list-style-type: none"> <li>1. Life Member of Indian Red Cross Society</li> <li>2.Membership of International Association of Engineers (IAENG)</li> <li>3. Life Membership of Indian Society for Technical Education (ISTE)</li> <li>4. Member of Internet Society</li> <li>5. Membership of international Computer Science &amp; Engineering Society (ICSES)</li> <li>6. Membership of Science and Engineering Institute (SCIEI)</li> <li>7. Membership of IFERP</li> </ol>
AnupmaSangwan	IAENG

**ii) Member of Expert Committees:**

Prof. Dharminder Kumar	NIELIT, NBA, NBA-NIRF, DCRUST, YMCA UST, UOU, BOG-HSTES.
Prof. Saroj	<ul style="list-style-type: none"> <li>• Member of DRC, BOS and Faculty of Engineering</li> <li>• Member of state executive committee</li> </ul>

Prof Pradeep Kumar Bhatia	<ul style="list-style-type: none"> <li>• J C Bose University Science and Technology, Faridabad</li> </ul>
Prof. Om Parkash Sangwan	<ul style="list-style-type: none"> <li>• Appointed as Expert (5259) for the Accreditation of A/B/C/O Level Courses by National Institute of Electronic and Information Technology, Delhi. (An Autonomous body of Department of Electronics and Information Technology, Ministry of Communications &amp; Information Technology), Electronics Niketan, 6, CGO Complex, Lodhi Road, New Delhi-110003.</li> <li>• Appointed as Proctor for the conduct of Student Learning Assessment (SLA) TEQIP-III (No. TEQIP/GJUST/2019/2089-90 dated 05.03.2019).</li> <li>• Expert Member in Inspection committee for inspection of study Centre of Distance Education, GJUST, Hisar, (No.DE-3/2018/82 dt. 29.10.2018).</li> <li>• Member, Board of Studies &amp; Research in Computer Science &amp; Engineering, Member Departmental Research Committee (DRC).</li> <li>• Member, Screening Committee, for Verification of API Score and Screening of the Application for the grant of Higher Grade under CAS, Department of CSE, GJUST, Hisar.</li> </ul>
Dr. Jaswinder Singh	Member of Board of Studies and Research of CSE Department, GJUST, Hisar
Dr. Amandeep	Member of Board of Studies and Research of CSE Department, GJUST, Hisar
Dr. Krishan Kumar Ranga	Training Placement Coordinator of CSE Department, GJUST, Hisar
Dr. SEEMA RANI	<ul style="list-style-type: none"> <li>• Member of Committee for Framing Course objectives for BCA Programme.</li> </ul>
Dr. Sunil Kumar	<ul style="list-style-type: none"> <li>• IQAC Coordinator In CSE</li> </ul>

**iii) Member of Academic Bodies of other institutions:**

Prof. Dharminder Kumar	<ul style="list-style-type: none"> <li>• AICTE for Faculty of Engineering, MRU, Faridabad</li> <li>• AICTE for Govt. Polytechnic, Ambala City</li> <li>• Member, RDC, DAVV, Indore</li> <li>• Member, AAA Committee, Department of ICT, CBLU, Bhiwani.</li> <li>• Member, UGBOS, CBLU, Bhiwani.</li> <li>• Member, IQAC, CBLU, Bhiwani.</li> <li>• Member, IQAC, Sharda University, G. Noida.</li> <li>• Member, DRC, Chitkara University, Pb.</li> </ul>
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	<ul style="list-style-type: none"> <li>• Member, Governing Body, Bharati Vidyapeeth's College of Engineering, New Delhi.</li> <li>• Editor-in-Chief, International Journal of Artificial Intelligence and Knowledge Discovery.</li> </ul>
Prof. Pradeep Kr. Bhatia	<ul style="list-style-type: none"> <li>• UGBOS, J C Bose University Science and Technology, Faridabad</li> </ul>
Prof. Rishi Pal Singh	<ul style="list-style-type: none"> <li>• Member of Academic Bodies of various other Institutions: <ul style="list-style-type: none"> <li>▪ MDU, Rohtak</li> <li>▪ Indira Gandhi University, Meerpur, Rewari</li> </ul> </li> </ul>
Prof. Dharmender Kumar	<ul style="list-style-type: none"> <li>• Member, Academic Council, Uttarakhand Open University, Haldwani.</li> <li>• Member, Faculty of Engineering and Technology, MDU Rohtak.</li> <li>• Member, Faculty of Engineering and Technology, MMU, Mullana.</li> <li>• Member, BOS in Engineering &amp; Technology, MDU Rohtak.</li> <li>• Member, UGBOS, CS, CDLU, Sirsa.</li> <li>• Member, BOS, SRM University, Sonapat.</li> <li>• Member, DRC, BPSM Vishwavidyalaya, Khanpur Kalan, Sonapat.</li> </ul>
Prof. Om Parkash Sangwan	<ul style="list-style-type: none"> <li>○ Appointed as Mentor to Govt. Polytechnic for NBA Accreditation by Haryana State Board of Technical Education, Panchkula, Haryana (Memo. No. 965 /HSBTE, dt.: 04.06.2019).</li> <li>○ Member of Doctoral Committee-Reg, Department of Computer Science &amp; Engineering, SRM University, Haryana (Ref. No.: SRMUH/CSE/PhD/2018/03, dated 11.04.2018).</li> <li>○ Member, SRC, Department of IT, Delhi Technological University, Delhi.</li> </ul>
Dr. Ritu Makani	<ul style="list-style-type: none"> <li>• Member BOSR</li> </ul>
Dr. Amandeep	<ul style="list-style-type: none"> <li>• Department Research Committee</li> <li>•</li> </ul>
Dr. Deepak Nandal	<ul style="list-style-type: none"> <li>• Department Research Committee</li> </ul>
Dr. SEEMA RANI	<ol style="list-style-type: none"> <li>1. Nodal Officer: E-Office</li> <li>2. Office In charge: Scholarship</li> <li>3. Office In charge: Attendance</li> <li>4. Chairperson of SCST</li> <li>5. Office In charge: Time Table</li> <li>6. Member: Internal Complaint Committee</li> <li>7. Advisory Member: NSS</li> <li>8. Member: Training Placement Cell</li> <li>9. Member: Discipline Committee</li> <li>10. Member: Entrepreneurship Development Programming Cell</li> <li>11. Member: Cultural Core Committee</li> <li>12. Member: Anti-ragging SQAD</li> <li>13. Member: Establishment of Centre of Excellence for Artificial Intelligence</li> <li>14. Member: Industry Interaction Cell</li> <li>15. Member: Awareness Campaign regarding admission in engineering courses</li> <li>16. Deputy Superident : CDLSIET, Panniwala Mota, Sirsa for conducting Theory Exams.</li> </ol>

**(XIV) Detail of Consultancy Project/Work in Department: NIL**

Name of Faculty	Title of the project /work	Name of Agency	Total Amount

**(XV) Lectures(other than class) (Invited talks/Extension Lectures) delivered Faculty wise detail)****(Give**

Type	Topic/ Subject	Institution	Dates	Faculty Name
Talk/lecture (online)	OBE Framework & Preparing for NBA SAR Filling” on “CO-PO Attainment and Continuous Improvement through Attainment	MRU - IEEE NSUT SB - IEEE YMCAUST SB - IEEE UP Section SB - IEEE Kolkatta Section SB (Student Branch)	30-Sept-2022	Prof. Dharminder Kumar
Talk/lecture (online)	NAAC Sponsored Seminar on Outcome Based Education (OBE)	BRCM CET, Behal	November 5, 2022	Prof. Dharminder Kumar
Lecture	OBE based teaching – learning	Gurugram University, Gurugram	January 6, 2023	Prof. Dharminder Kumar
Chaired a session (online/virtual mode)	Emerging Technologies and Innovations	International Conference by NIET, G. Noida, Co-host by Department of Operations Research and Business Intelligence, Wroclaw Tech, Poland, and knowledge Partner ICT Academy	March 1-2, 2023	Prof. Dharminder Kumar
Talk/lecture (online)	AI & its Applications in Science & Engineering	Department of Emerging Technologies, GJUS&T, Hisar	May 18, 2023	Prof. Dharminder Kumar

Talk/lecture	CO-PO Mapping, Attainment, Pre-Qualifiers and Open House Discussion on NBA	Two days Capacity Building Workshop on OBE and Accreditation Process (NEP-2020: Towards Holistic Education) organized by BVEC, New Delhi.	June 2-3, 2023	Prof. Dharminder Kumar
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**(XVI) Additional Duties Performed/Positions held in the University (Teacher-wise)**

Sr. No.	Name of Teacher	Additional Positions	Duration From	Duration To
1.	Prof. Dharmender Kumar	Chairperson, Deptt. of CSE	July 10, 2020	( 9 July 2023)
2.	Prof. Dharmender Kumar	Chairperson, Deptt. of Data Science	May 2023	Till Date
3.	Prof. O.P. Sangwan	Chairperson, Deptt. of CSE	July 10, 2023	Till Date
4.	Prof. O.P. Sangwan	Chairperson, Deptt. of Emerging Technology	July 2022	Till Date
5.	Prof. O.P. Sangwan	Director, DDE	July 1, 2022	30 Sept. 2022
6.	Dr Deepak Nandal	Time Table Incharge	July 22	June 23
7.	Dr Deepak Nandal	Minor Examination Incharge of the Computer Science Dept.	July 22	June 23
8.	Dr Deepak Nandal	Convener of the Committee for FDP Feb 2022	Feb 22	

**(XVII) Training /Internship/ Placement Activities information of the Department:**

Activity	No. of Students placed	No. of Companies in which placed*
Training	Referred to Training and Placement Cell.	
Placement		
Activity	No. of Students	No. of Companies *
Training	Referred to Training and Placement Cell.	
Placement		

- **Note:-** Please attach a list of companies alongwith number of students for training and placement with dates, etc..

**(XVIII) Detail of Academic activities/Professional Activities/ Programmes  
Organized in Department during the year:**

**i Seminar/Conference/Refreshers course/Workshop/Training Programme**

Name of the Event	National/ International	Number of participants	Dates/ Duration

**ii. Extension lecture:**

Topic	Resource Person	Number of Participants	Dates

**iii. Students tour**

Places Visited	Number of Participants	Dates/ Duration	Faculty Incharge

**iv. Industry interaction programmes :**

Name of the Event	Name of the Industry	Name of the Participants	Dates/ Duration

**(XIX) Awards/ Honours received by Faculty**

Name of the Teacher	Title of the Award	Name of the Awarding Agency	National / International	Date Conferred

**(XX) Any other important Information/ Achievement of the Department:**

**Signature of the Chairperson**

ANNEXURE**DEPARTMENT OF Computer Science & Engineering****Summary of Research Publications:**

<b>Total Books Published</b>	<b>Books published with International publisher</b>	<b>Books published with National publisher</b>	-
<b>04 Books 10 Book Chapter</b>	<b>04 Books 11 Book Chapter</b>	--	-
<b>Total Research papers published in Journals</b>	<b>Total Published in UGC-CARE List Group 1 (Journals found qualified through UGC-CARE protocols)</b>	<b>Total Published in UGC-CARE List Category 2 (Journals Indexed in WOS/Scopus)</b>	<b>Highest Impact Factor</b>
<b>45</b>	<b>10</b>	<b>35</b>	-
<b>Total Number of Papers Published in Conferences</b>	<b>Total published in Scopus/WOS indexed Conferences</b>	<b>Total published in non-indexed Conferences</b>	-
<b>29</b>	<b>28</b>	--	
<b>Total number of funded research projects</b>	<b>Completed</b>	<b>Ongoing</b>	-
<b>04</b>	--	<b>04</b>	
<b>TOTAL NUMBER OF SCHOLARS REGISTERED in PH.D. PROGRAMME</b>	<b>PhD. Degree submitted</b>	<b>PhD. Degree awarded</b>	-
<b>12</b>	<b>14</b>	<b>14</b>	-

Signature of the Chairperson

**ANNEXURE****DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**Overall recommendations of the Chairperson based on the Annual Report and Academic & Research plan for the next year, through Academic Committee of the Department.**

**Signature of the Chairperson**