ANNUAL REPORT-(2020-21)
(01.07.2020 TO 30.06.2021)

DEPARTMENT OF COMPUTER SCIENCE ENGINNERING

(i)   **Name**   :   COMPUTER SCIENCE **&** 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)   Courses Offered in the Deptt:

Course	Sanctioned intake	Present Strength (Total)
Ph. D	As per availability	97
P.G (MCA & M Tech)	MCA-60+12* M Tech CSE-30	158+31 = 189
U.G. (B Tech CSE)	B Tech CSE-120+24*	570
U.G. (B Tech IT)	B Tech IT-60+12*	277
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 along with their qualifications and Experiences)

Professor		Associate Professor		Assistant Professor		Contract/Guest Faculty
Sanctioned	*Filled*	*Sanctioned*	*Filled*	*Sanctioned*	*Filled*	
6	0	12	4+1^	24	22+1^	18*

   *On Contract, ^On Deputation

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	Dr Dharminder Kumar	Professor	Ph.D.	30	239089902125	ABFPK5190H	6
2	Dr Saroj	Professor/ Dean FET	Ph.D.	23	931206527207	ADCPS6744C	4
3	Dr Yogesh Chaba	Professor	Ph.D	24	236069072598	ABXPC4719N	7
4	Dr Pardeep Bhatia	Professor	Ph.D	27	679569339054	ABSPK0744J	7
5	Dr. Rishi Pal Singh	Professor	Ph.D	21	739273315871	AMOPS6526M	5
6	Dr. Dharmender Kumar	Professor/ Chairman	Ph.D	17	666516797640	AKUPK2864N	

7	Dr. Om Prakash Sangwan	Professor	Ph.D	16	532941773117	BAFPS9422J	7
8	Dr. Sanjeev Kumar	Professor	Ph.D	16	464367608598	AMEDK8131G	
9	Dr. Jyoti	Professor	Ph.D	15	643446335138	AASPV3228R	3
10	Dr. Sunila	Professor	Ph.D	14	627133340377	AKIPG3723G	
11	Dr. Ritu Nagpal	Associate Professor	Ph.D	14	894084915697	ALMPM1076F	
12	Dr. Sunil Kumar	Associate Professor	Ph.D	14	247902660918	AEJPN7499F	
13	Dr. Jaswinder Singh	Associate Professor	Ph.D	16	626467081218	BDJPS4624P	
14	Mr. Jai Bhagwan	Assistant Professor	M. Tech, Ph.D Pursuing	8	358940769992	BIRPB5097A	
15	Mr. Narender	Assistant Professor	M. Tech, Ph.D Pursuing	12	698546657265	BYLPK8244A	
16	Mr. Amandeep	Assistant Professor	M. Tech, Ph.D Pursuing	11	507905484461	AYFPA3186L	
17	Mr. Manoj	Assistant Professor	M. Tech, Ph.D Pursuing	8	419867828438	CADPK3098R	
18	Mr. Abhishek Kajal	Assistant Professor	M. Tech, Ph.D Pursuing	11	471250008111	AYYPK8183G	2
19	Ms. Sakshi Dhingra	Assistant Professor	M. Tech, Ph.D Pursuing	7	453298837928	CAYPD8849J	
20	Dr. Anju	Assistant Professor	Ph.D	7	273437329627	APUPA9671A	2
21	Dr. Sunita	Assistant Professor	Ph.D	15	676448974943	ADVPG4092R	
22	Dr. Deepak Nandal	Assistant Professor	Ph.D	8	405004378020	ANNPN6648K	1
23	Mr. Sunil Kumar	Assistant Professor	M. Tech, Ph.D Pursuing	7	496138060190	CELPK2181R	
24	Mr. Krishan Kumar Ranga	Assistant Professor	M. Tech, Ph.D Pursuing	21	506587087516	AGRPR7759J	

Sr. No.		Designation	Qualifications	Experience (in years)	Aadhar No.	PAN No.	
25	Ms. Seema (On Deputation)	Assistant Professor	Ph.D Pursuing	16	921408831590	ABTPY1835B	
26	Dr. Sunil Kumar	Assistant Professor	Ph.D	16.5	904540568045	ALOPK3967 D	

Contractual Faculty Details

Sr. No.	Name (s) of the Teaching Faculty	Designation	Qualifications	Experience (in years)	Aadhar No.	PAN No.	H. Index (Scopus Based)
1	Mr. Amit Kumar	Assistant Professor	M. Tech.	08	784047317225	BOQPK0935M	
2	Dr. Anupma Sangwan	Assistant Professor	Ph.D.	11	997690692980	AQDPA3173B	
3	Mr. Ayush Sharma	Assistant Professor	M. Tech.	07	728771216002	EPPPS6722P	
4	Mr. Ankur Garg	Assistant Professor	MCA	08	863043546495	BNZPG5715M	
5	Mr. Anand Kumar	Assistant Professor	M. Tech.	08	401963196425	CUXTK4181R	
6	Ms. Suman	Assistant Professor	M. Tech.	8.5	676001344402	DNXPS9586N	
7	Ms. Ravika	Assistant Professor	M. Tech.	10.5	932814176119	AKGPG1993C	
8	Mr. Davinder Singh	Assistant Professor	M. Tech.	9.5	414627917207	BZHPS3130C	
9	Ms. Deepshikha	Assistant Professor	M. Tech.	11	486604087415	BHLPD4091B	
10	Ms. Renu	Assistant Professor	M. Tech.	08	522094028132	AMRPR7111G	
11	Ms. Mona Gupta	Assistant Professor	M. Tech.	5.5	575409162301	AMWPG5523G	
12	Dr. Sudhanshu Gaur	Assistant Professor	Ph.D	10	861153414471	ANUPG9502C	
13	Mr. Pawan	Assistant Professor	M. Tech. Ph.D Pursuing	3	880648985163	BWKPK5721 R	
14	Ms. Nisha	Assistant Professor	M. Tech.	5	965013284615	DVOPR4195F	
15	Mr. Ashwani Kumar	Assistant Professor	M.Tech	4	772403132379	DBEPS2487H	
16	Ms. Rekha	Assistant Professor	M. Tech.	1	518484533943	CJTPR3600P	

17	Ms. Bindu	Assistant Professor	M. Tech.	1	676909510334	BKKPR9798H	
18	Mr. Ramesh	Assistant Professor	M. Tech.	1	461003064725	BSVPK1570P	

(VI) Office staff detail:

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

*on contract through contractor

(VII) a) Students detail in respect of M.Sc., M.Tech., M.Pharm., M.Ph.Th., M.Com. and MBA Courses

M.Tech (CSE) Students Details

1st Year		Final Year	
Sanctioned	Filled	Sanctioned	Filled
30	25	30	21

(b) Students detail in respect of MCA Course:

1st Year		2nd Year		3rd Year	
Sanctioned	Filled	Sanctioned	Filled	Sanctioned	Filled
60	57	60+12*	44	60+12*	62

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

B.TECH (CSE)

1st year		2nd year		3rd year		4th year	
Sanctioned Intake	*filled*	*Sanctioned intake*	*filled*	*Sanctioned intake*	*filled*	*Sanctioned intake*	*filled*
120	129	120+24*	151+ Leet Pending	120+20*	133	120+24*	151

B.TECH (I.T.)

1st year		2nd year		3rd year		4th year	
Sanctioned Intake	*filled*	*Sanctioned intake*	*filled*	*Sanctioned intake*	*filled*	*Sanctioned intake*	*filled*
60	67	60+12*	78+ Leet Pending	60+12*	66	60+12*	68

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

Sr. No.	Name of Course	No. of students Admitted	Name of Country
1.	B.TECH CSE	3	NEPAL

(VIII) Research Scholars:

Intake capacity	Total no of Ph.D. students	Registered during the year	Thesis completed during the year
As per availability	113	16	03

List of Pre. PH.D 2020-21 Students

S.No	Pre Ph.D. Roll NO.	Name	Father's Name	M/F	SUPERVISOR/ GUIDE
1	200010090101	SEEMA RANI	RAMNIWAS	F	PROF. SANJEEV KUMAR
2	200010090102	POOJA BARAR	KRISHAN LAL	F	DR. DEEPAK NANDAL
3	200010090103	JAHANVI	DHARMINDER SHARMA	F	DR. ANJU
4	200010090104	POONAM SINGH	PHOOL SINGH	F	DR. SUNILA
5	200010090105	SHUCHITA SHEOKAND	ISHWAR SHEOKAND	F	DR. SUNITA BENIWAL
6	200010090106	KAVITA RANI	AZAD SINGH	F	PROF. O.P. SANGWAN
7	200010090107	ABIBAN KUMARI	BALBIR SINGH	F	DR. JASWINDER SINGH
8	200010090108	JYOTI	RAMNIWAS	F	DR. DHARMENDER KUMAR
9	200010090109	DEEPIKA BISHNOI	KRISHAN KUMAR BISHNOI	F	PROF. YOGESH CHABA
10	200010090110	KANIKA MALIK	R K MALIK	F	DR. DEEPAK NANDAL
11	200010090111	MEENAKSHI	OM PARKASH	F	DR. JYOTI VASHISHTHA
12	200010090112	REKHA	RAJPAL SINGH	F	PROF. RISHI PAL SINGH
13	200010090113	JONY	SUBASH	M	DR. DEEPAK NANDAL
14	200010090114	BINDU RANI	DALBIR SINGH	F	DR. ANJU
15	200010090115	SHALU RANI	GOKAL CHAND NARANG	F	DR. JYOTI VASHISHTHA
16	200010090116	SHEETAL CHOUDHARY	PUROSHTAM SINGH	F	PROF. SANJEEV KUMAR/ PROF.SUNILA GODARA

(IX) Sponsored Research /Consultancy Projects

Title of the Project	Name of the Investigator (s)	Project in Progress	Awarded during the current year	Completed during the current year	Nature: Research/ consultancy
Referred to PDUCIC					
	Total				

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

Books/Book Chapter	Research papers		Research paper		Other Articles
	International	National (Indian)	Refereed	Non refereed	
12	35				

(XI) Teacher/ Faculty wise detail of publication during the period:
   a) Books/ Book Chapter / Monograph

Sr. No.	Type of			Authors	Title	Year of publication	Publisher
	Books	Book Chapter	Monograph				
1.	Book Chapter Intelligent Computing and Communication Systems, Algorithms for Intelligent Systems,			Manju, Pradeep Kumar Bhatia	Dynamic Reusability Measurement Using Machine Learning Algorithms in Object-Oriented Environment	Nov 2020	pp393-400. Springer
2.	Chapter no 4 Data Driven Decision Making using Analytics			Pradeep Kumar Bhatia, Parul	SIGNIFICANCE OF DATA MINING IN THE DOMAIN OF INTRUSION DETECTION	2021	CRC Press

3.	Computational Intelligence Techniques and Their Applications to Software Engineering Problems	Somya Goyal, Pradeep Kumar Bhatiza	Empirical Software Measurement with Machine Learning	28 /9/2020	49-64 CRC Press Taylor and Francis Group
4.	1 (Book Chapter)	Prof. RishiPal Singh	Quality Enhancement in Underwater Sensor Networks through Node Deployment Plans : A Performance Based Classification	Jan. 2021	IGI-Global
5.	E-Book (ISBN: 9781003079996, CRC Press, 2020. (Scopus Indexed).)	Om Prakash Sangwan	Nature-Inspired Approaches to Test Suite Minimization for Regression Testing	28th September, 2020,	published in Computational Intelligence Techniques and their Applications to Software Engineering Problems, e-Book
6.	Book Chapters - 01	Jyoti Vashishtha	Domain Specific Fine Tuning of Pre-trained Language Model in NLP	March, 2021	Springer
7.	1. Book Chapter- Data Analytics and Management	Dr Deepak Nandal, Neha Sharma, Dr Vikas	Performance Improvement Using Spline LS and MMSE DFT Channel Estimation Technique in MIMO OFDM	2021	Springer ,Singapur

				Using Block-Type Pilot Structure		
8.	2. Book Chapter- Data Analytics and Management	Dr Deepak Nandal, Jyoti, Dr Vikas	BER Performance Analysis of MMSE with ZF and ML Symbol Detection for Hard Decision MU-MIMO LTE on Rayleigh Fading Channel	2021	Springer ,Singapur
9.	1 (Book Chapter)	Abhishek Kajal	Improved Secure Intrusion Detection System by User-Defined Socket and Random Forest Classifier	2021	Springer Nature Switzerland
10.	1 (Book Chapter)	Dr. Anju	Machine Learning Techniques for Underwater Wireless Sensor Networks: A comprehensive Study	Jan. 2021	IGI-Global
11.	1 (Book Chapter)	Dr. Anju	Quality Enhancement in Underwater Sensor Networks through Node Deployment Plans : A Performance Based Classification	Jan. 2021	IGI-Global
12.	Book Chapters - 01	Sunil Verma	Domain Specific Fine Tuning of Pre-trained	March, 2021	Springer

		Language Model in NLP		

b) Papers/ Articles in Journals

Sr. No.	Authors	Year	Title of paper	Name of journal	Publishers	Vol. & No.	Pages	Impact factor
1.	Saroj Ratnoo	2021	Hyper-Heuristic Evolutionary Approach for Constructing Decision Tree Classifiers	Journal of Information and Communication Technology	University Utara Malaysia Press	Volume 20 No 2	249–279	2.04
2.	Reena, Bhawna, Pradeep Kumar Bhatia	Jan 2021	An Insight to Software Testing using Genetic Algorithm	International Journal of Statistics and Reliability Engineering (IJSRE) 2021	INDIAN ASSOCIATION FOR RELIABILITY AND STATISTICS (IARS)	Vol. 8(1),	57-62	
3.	Reena, Pradeep Kumar Bhatia, ".	June 2021	Prediction of Reusability of Component-Based Software (CBS)	Design Engineering (Toronto) Journal (Scopus),	Canada	Vol 2021, Issue 7,	pp 5209-5224,	1.41
4.	Anjali Banga, Pradeep Kumar Bhatia	July-Aug 2021	Optimized Component based Selection using LSTM Model by Integrating Hybrid MVO-PSO Soft Computing Technique	Advances in Science, Technology and Engineering Systems Journal www.astesj.com	Adaptation of Electronic Book Publishing Technology by The Publishers in Southeast Nigeria	Vol. 6, No. 4	62-71	
5.	Pradeep Kumar Bhatia, Manju	Oct 2020	Impact of Dynamic Metrics on Maintainability of System using Fuzzy Logic Approach	International Journal of Statistics and Reliability Engineering	Indian Association For Reliability And Statistics (IARS)	Vol 7 Issue ,2	236-241	

6.	Pradeep Kumar Bhatia Vikas Char, Gaurav Gupta	July 2020	Software Test case Reduction and Prioritzation	Journal of XI'AN University of Architecture & Technology	Science Press	Vol 12, Issue 7		3.7
7.	Anjali Banga, Pradeep Kumar Bhatia	Dec 2020	Review On Software Component Selection In Cbse Using Soft Computing Techniques	Journal of Xi'an Shiyou University, Natural Science Edition	Xi'an Publication Institute	Vol 16, Issue 12	9-15	5.6
8.	Priyanka Jindal, Dharmender Kumar	2020	Meta-heuristic Techniques to Train Artificial Neural Networks for Medical Image Classification: A Review	Recent Advances in Computer Science and Communications		, Vol. - 13, No- 1	1-20	-
9.	Manu Phogat, Dharmender Kumar	2020	Classification of complex diseases using an improved binary cuckoo search and conditional mutual information maximization	Computacion y sistemas		Vol. - 24, No - 3	1121-1129	
10.	Narender Kumar, Dharmender Kumar	2021	An Improved Grey Wolf optimization based learning of Artificial Neural Network for medical data Classification	Journal of Information and Communication Technology	Universiti Utara Malaysia	Vol. - 20, No- 2	213-248	
11.	Anu Bajaj and Om Prakash Sangwan	2021	Discrete Cuckoo Search Algorithms for Test Case Prioritization	Applied Soft Computing,		110	pp. 1-18. (SCIE Indexe d)	6.725
12.	Anu Bajaj and Om Prakash Sangwan	2021	Tri-Level Regression Testing using Nature-Inspired Algorithms	Innovations in Systems and Software Engineering		17 (1)	pp. 1-16. (ESCI, Scopus	

							Indexed)	
13.	Anu Bajaj and Om Prakash Sangwan	2021	Discrete and Combinatorial Gravitational Search Algorithms for Test Case Prioritization and Minimization.	International Journal of Information Technology		13	pp. 817-823. (Scopus Indexed).	
14.	Anu Bajaj and Om Prakash Sangwan	2021	Test Case Prioritization using Bat Algorithm"	Recent Patents on Computer Science		14 (2)	pp. 593-598. (Scopus Indexed)	
15.	Shweta Mittal and Om Prakash Sangwan	June 2021	Implementing machine learning algorithms on spark	Journal of Mathematical and Computational Science		Vol. 11, No. 5	(Scopus Indexed Since 2017)	
16.	Ritu and Om Prakash Sangwan	2021	Software Quality Prediction Method Using Fuzzy Logic"	Turkish Journal of Computer and Mathematics Education	https://turcomat.org/index.php/turkbilmat/article/view/5966. (Scopus Indexed).	Vol:12, No. 11	pp:807-817(2021),	
17.	Monica and Om Prakash Sangwan		Quality of Service Prediction Model in Cloud Computing using Adaptive Dynamic Programming Parameter Tuner	International Journal of Grid and Utility Computing (Inderscience). Special Issue on: 3PGCIC Cloud and Edge Systems and Applications	In Press (Scopus Elsevier).			
18.	Anu Bajaj, and Om Prakash Sangwan	2021	Discrete and Combinatorial Gravitational Search Algorithms for Test Case	International Journal of Information Technology	(Accepted) (Scopus Indexed).			

			Prioritization and Minimization					
19.	Mukesh Nimiwal, Jyoti Vashasitha	2020	Comparative Study of Hybrid Swarm Optimization For Feature Selection And Classification Accuracy	Advances in Mathematics: Scientific Journal	Elsevier	Volume 9 No 6	3567–3579	1.494
20.	Mukesh Nimiwal, Jyoti Vashasitha	2020	A Novel Sequenced Hybrid WOA-GWO Algorithm for Classification	International Journal of Advanced Science and Technology	SERSC	Volume 29 No 4	9072 - 9083	0.091
21.	Khushboo Taneja, Jyoti Vashishtha	2020	Recent Advancements in Natural Language Processing	Journal of Critical Reviews	Routledge for the Critical Review Foundation	Volume 7 No 19	6807-6814	1.091
22.	Sunil Kumar, Saroj Ratnoo , Jyoti Vashishtha	2021	Hyper-Heuristic Evolutionary Approach for Constructing Decision Tree Classifiers	Journal of Information and Communication Technology	University Utara Malaysia Press	Volume 20 No 2	249–279	2.04
23.	Nisha Garg, Ritu Makanil, Krishan Kumar Ranga	2020	In-depth Analysis and Defence against SQL Injection Attacks	Strad Research	Strad Research	Vol.7 issue 8	266-272	6.1
24.	Ritu Bala,Ritu Nagpal	2020	State-of-art Using Intrusion Detection System	International journal of Electrical Engineering and Technology	IJEET	Vol. 11 issue 10	343-355	Scopus indexed
25.	Manoj	August 2020	Investigating Impact of HOM, TTT, HOR, RSRP during Handover in LTE System	Dogo Rangsang Research Journal		Vol.10, issue8	pp.38-47	
26.	Narender Kumar,	2021	An improved grey wolf optimization	Journal of information and	UUM Press , University	20(2),	213-248	No Impact

	Dharmender Kumar		based learning of artificial neural netwok for medical data classification	communication technology	of Utara Malaysia			Factor, WoS(ECSI indexed paper)
27.	Abhishek Kajal, Sunil Kumar	2020	ABC-ANN-SVM Hybrid approach to enhance Cyber Security against Malware, DDoS attacks	Journal of Critical Review	JCR (ISSN 2394-5125)	7 (11)	4557 – 4570	1.27
28.	Abhishek Kajal, Sunil Kumar	2020	A Hybrid Approach for Cyber Security: Improved Intrusion Detection System using ANN-SVM	Indian Journal of Computer Science and Engineering	Engg Journals Publication	11 (4)	412 – 425	0.19
29.	Garima Sardana, Abhishek Kajal	2020	Protection from Cyber Attacks using IDS Security Mechanism with Random Forest Classifier	Journal of Critical Review	JCR	7 (19)	8516 – 8525	1.27
30.	Jony, Jyoti, Sunil Kumar,	July 2020.	A Comprehensive Study on Analytics of Social Media Text using Deep Learning	Journal of Emerging Technologies and Innovative Research		Volume 7, Issue 7	pp. 1963-1967,	
31.	Kaushik Adhikary , Shashi Bhushan , **Sunil Kumar** and Kamlesh Dutta	2020	Evaluating the Impact of DDoS Attacks in Vehicular Ad-Hoc Networks	International Journal of Security and Privacy in Pervasive Computing (IJSPPC),	IGI Global	Vol. 12, No.4, (2020),	1 - 18	-
32.	Seema Rani	July, 2020	A Literature Survey on Automatic Generation of	Wesleyan Journal of Research		Volume 13, Issue No 2,	Pp 65-76.	

			Test Cases Using Genetic Algorithm	(UGC Care Listed)		ISSN: 0975-1386		
33.	Seema Rani	November, 2020	Efficient Framework for Fully automatic Test Case Generation and Test Case Prioritization using Genetic algorithm in Software Testing	Journal of Computational and Theoretical Nanoscience. (SCOPUS Indexed)		Volume 17, Number 11	Pp 5198-5204	
34.	Dr. Sudhanshu	Dec. 2020	A relative adsorption study of Methylene Blue Dye elimination by Conventional adsorbents and Nanoadsorbents : A Review	IJSECT		Vol. 10 (1-4)	Page 12-14	
35.	Dr. Sudhanshu	Dec. 2020	A comparative adsorption study of Brilliant Green Dye elimination by Conventional adsorbents and Nanoadsorbents : A Review	IJSECT		Vol. 10 (1-4)	Page 6-8	

(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
		05		20	01	

(b) International Conferences/ Seminars/ Workshops:

Sr. No.	Name of the Teacher/Faculty	Title of paper presented	Theme of conference/ Seminar	Name of Host organization	Place	Dates
1.	Dharmender Kumar	Meta-Heuristic Optimization based convolutional Neural Network for Medical Image Classification: A Survey	International Conference on Advances in Computing, Communication Control and Networking (ICACCCN)	Galgotia College of Engineering and Technology Publisher: IEEE	Greater Noida, India,	December 18-19, 2020
2.	Dr. Sanjeev kumar	Performance Evaluation of Meta-Heuristic Algorithms for Task Scheduling in Cloud Environment	International Research Conference on IoT, Cloud and Data Science	Chennai, Tamil Nadu	Chennai, Tamil Nadu	April 2021
3.	Dr Sanjeev Kumar	Efficiency Evaluation of Handover Management Techniques in LTE Heterogeneous Networks	International Conference on Artificial Intelligence and Sustainable Computing(AI S2C2 2021	Gautam Buddha University, Greater NOIDA, India, CCIS	Noida	March 22, 2021. (Scopus Indexed)
4.	Om Prakash Sangwan	Feature Reduction Techniques for Software Bug Prediction	3rd International Conference on Innovations in Communication Computing and Sciences (ICCS 2021)	(In Press) to be published by American Institute of Physics (AIP) Series (Scopus indexed)		
5.	Om Prakash Sangwan	A Holistic Review on Optimization Strategies for C & K Metrics in Object Oriented Testing	Forth international conference in computational intelligence and communication technologies (CCICT)	The Karkonosze State University of Applied Sciences in Jelenia Góra, Poland' and 'BM Institute of Engineering and Technology,	Sonipat	3rd July 2021

				Sonepat, INDIA		
6.	Om Prakash Sangwan	Sine-Cosine Algorithm for Software Fault Prediction	Doctoral Symposium track of 37th International Conference on Software Maintenance and Evolution (ICSME 2021), Luxembourg City, Europe	(In Press) to be published in IEEE series (Scopus and Web of Science indexed).		
7.	Om Prakash Sangwan	Hybrid Classifier for Brain Tumar Detection and Classification	2nd International Conference on Artificial Intelligence and Speech Technology (AIST-2020)	Indira Gandhi Delhi Technical University for Women, Delhi		19-20 November, 2020.
8.	Om Prakash Sangwan	A Software Reusability Paradigm for Assessing Software-as-a-Service for Cloud Computing	Congress on Intelligent Systems Proceedings of CIS 2020, Volume 1, Part of the Advances in Intelligent Systems and Computing, Book Series (AISC, Volume 1334)	ISBN 978-981-33-6980-1 https://doi.org/10.1007/978-981-33-6981-8,Springer		
9.	Vashishtha Jyoti	Domain Specific Fine Tuning of Pre-trained Language Model in NLP	Proceedings of International Conference on Sustainable Expert Systems		Nepal	April 2021
10.	Manoj	A User Scheduling in LTE Network Having Environment with Mixed Traffic	International Conference on Computational Performance Evaluation (ComPE)			July 2-4, 2020. (Scopus Indexed)

11.	Manoj	"Performance Analysis of Optimization of Hom and CDR Solution Using PSO	1st International Conference on Nanoelectronics, Machine Learning, Internet of Things& Computing Systems (NMIC-2021)			Mar 13 - 14th , 2021
12.	Manoj	Efficiency Evaluation of Handover Management Techniques in LTE Heterogeneous Networks	International Conference on Artificial Intelligence and Sustainable Computing (AIS2C2 2021	Gautam Buddha University, Greater NOIDA, India, CCIS	Noida	March 22, 2021. (Scopus Indexed)
13.	Deepak Nandal	A Novel Automating Irrigation Techniques based on Artificial Neural Network and Fuzzy Logic	1st International Conference on Mechatronics and Artificial Intelligence	SGT, University	Gurgaon	26-27 Feb 2021
14.	Deepak Nandal	A Holistic Review on Optimization Strategies for C & K Metrics in Object Oriented Testing	Forth international conference in computational intelligence and communication technologies (CCICT)	The Karkonosze State University of Applied Sciences in Jelenia Góra, Poland' and 'BM Institute of Engineering and Technology, Sonepat, INDIA	Sonipat	3rd July 2021
15.	Narender Kumar	Machine Learning based Heart Disease Diagnosis using Non-Invasive Methods: A Review	International conference on Mechatronics and Artificial Intelligence (ICMAI-2021)	SGT University Gurugram, Haryana	Gurugram	26-27th Feb 2021
16.	Jai Bhagwan	A Comparative Study of Meta-Heuristic Based	International conference on Artificial	MITS Gwalior	MITS Gwalior	June 2021

		Task Scheduling in Cloud Computing*	Intelligence and Sustainable Computing			
17.	Jai Bhagwan	Performance Evaluation of Meta-Heuristic Algorithms for Task Scheduling in Cloud Environment	International Research Conference on IoT, Cloud and Data Science	Chennai, Tamil Nadu	Chennai, Tamil Nadu	April 2021
18.	ANJU	A Soft Computing Technique to Optimize Energy Consumption in Wireless Sensor Networks	Communication and Intelligent System , Lecture Notes, Springer			JAN, 2021
19.	Sakshi Dhingra	Natural Computing based optimization for Hyper spectral Satellite Images	Second International Conference on Inventive Research in Computing Applications (ICIRCA)	RVS College of Engineering and Technology, Coimbatore, India, 2020		15-17 July, 2020
20.	Sunil Kumar	Domain Specific Fine Tuning of Pre-trained Language Model in NLP	Proceedings of International Conference on Sustainable Expert Systems		Nepal	April 2021

(c) National Conferences/ Seminars/ Workshops:

Name of Teacher/ Faculty	Title of paper presented	Theme of conference/ Seminar	Name of Host organization	Place	Dates
Manoj Kumar	-----------	History, Development and Applications of Mathematical Sciences	GJUS&T and VIBHA Hisar	Hisar	22-12-2020
Manoj Kumar	----------	Ethical concerns in research	MECH.DEPT. GJUS&T	HISAR	22-02-2021

Manoj Kumar	----------	Outcome Based Education Framework	Department of Computer Science & Engineering, Faculty of Engineering & Technology, GJUS&T, Hisar	Hisar	17-03-2021
Dr Deepak Nandal, Dr Vikas	A Deep Learning Based Forcasting Model for generation of electrical Renewable Energy	Recent Advances in Renewable Sources of Energy Rarse-2021	UIET, MDU	Rohtak	18th march 2021
Ms. Sakshi Dhingra	----------	Ethical concerns in research	MECH.DEPT. GJUS&T	HISAR	22-02-2021

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

Name of Teacher /Faculty	Title of paper presented	Theme of Conference/ Seminar	Name of Host organization	Place	Dates
Dr Deepak Nandal	--	LaTeX for Scientific Writing	Directorate of Distance Education, GJUS&T, Hisar	GJU, Hisar	1-7 March 2021

(e) Refresher Courses/ Orientation Courses:

Sr. No.	Name of Teacher/ Faculty	Title of Refresher Course	Host organization	Dept.	University	Place	Date
1.	Manoj Kumar	Machine Learning and Computer Vision: Applications, Research Challenges	NIT Silchar, Assam and Gauhati University Institute of Science & Technology, Guwahati, Assam	One Week Online International Faculty Development Programme	NIT Silchar, Assam and Gauhati University Institute of Science & Technology,	Assam	August 24-28,2020

		(MLCV 2020)			Guwahati, Assam		
2.	Manoj Kumar	Green Technologies and Environmental Sustainability (GTES-2020)	Department of Environment Sciences and Department of Civil Engineering, J.C. Bose University of Sc. & Tech, YMCA, Faridabad	Online One Week Faculty Development Programme	YMCA	Faridabad	Sep 07-12, 2020
3.	Manoj Kumar	Global Navigation Satellite System	Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun	Online Course	IIRS	Dehradun	14-09-2020 to 25-09-2020
4.	Manoj Kumar	Understanding of Coastal ocean processes using Remote Sensing and Numerical Modelling	Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun	Online Course	IIRS	Dehradun	21-09-2020 to 25-09-2020
5.	Manoj Kumar	Geographical Information System	Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun	Online Course	IIRS	Dehradun	28-09-2020 to 15-10-2020
6.	Manoj Kumar	Remote Sensing of Land Degradation	Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun	Online Course	IIRS	Dehradun	1-12-2020 to 7-12-2020
7.	Manoj Kumar	Recent Trend in Computer Science & Information Technology	Department of Computer Science in Association with IQAC, Adusumilli Gopala Krishnaiah & Sugar Cane Growers Siddhartha	Two Day faculty Development Programme (FDP)	Gopala Krishnaiah & Sugar Cane Growers Siddhartha degree college of arts & science,	Vuyyuru	January 23-24, 2021

			degree college of arts & science, (autonomous) Vuyyuru				
8.	Manoj Kumar	Applied Data Science: Tools and Techniques	Department of Computer Science & Engineering, Lakireddy Bali Reddy College of Engineering, Andhra Pradesh	Online One Week Faculty Development Programme	Department of Computer Science & Engineering, Lakireddy Bali Reddy College of Engineering, Andhra Pradesh	Andhra Pradesh	29 May to 02 June, 2021
9.	Abhishek Kajal	FDP on Cyber Security	Central University, Kerala	CSE	CU, Kerala	Online	01-02-21 To 05-02-21
10	Abhishek Kajal	FDP on Data Structure & Algorithm using Python	PIET, Nagpur, Maharashtra	CSE	University of Nagpur	Online	18-05-21 To 25-05-21
11	Ms. Sakshi Dhingra	Remote Sensing and Digital Image Analysis	Indian Institute of Remote Sensing (IIRS). ISRO, Dehradun	IIRS	Indian Institute of Remote Sensing (IIRS). ISRO, Dehradun	Dehradun	17/08/2020 to 11/09/2020
12	Ms. Sakshi Dhingra	Use of ICT in Engineering Education	Maharaja Surajmal Institute of Technology, Janakpuri, New Delhi	AICTE-ISTE	Maharaja Surajmal Institute of Technology, Janakpuri, New Delhi	New Delhi	24/02/2021 to 02/03/2021
13	Ms. Sakshi Dhingra	Data Structures and Algorithms using Python	Priyadarshini Institute of Engineering and Technology, Nagpur, Maharashtra	IT Dept.	Priyadarshini Institute of Engineering and Technology, Nagpur,	Nagpur	18 to 25 May 2021

					Maharashtra		
14	Dr. Sunil Kumar	Seven Days Online Faculty Development Programme on Challenges in Cybercrime & Enforcement of Cyber Security	Department of CSE, Dr. MGR educational and research Institute, Chennai	Department of CSE,	Dr. MGR educational and research Institute, Chennai	Chennai	06.07.2020 – 12.07.2020
15	Dr. Sunil Kumar	One Week Faculty Development Program on "Essentials for Blended Learning which was conducted from	Department of Information Technology, Dr. M.G.R. Educational and Research Institute, Chennai	Department of Information Technology	Dr. M.G.R. Educational and Research Institute, Chennai	Chennai	13.07.2020 to 20.07.2020.
16	Dr. Sunil Kumar	FDP on 'Quality Research in Higher Education: Ethics and Institutional Support'	RKSD (PG) College, Kaithal, Haryana		RKSD (PG) College, Kaithal, Haryana	Kaithal, Haryana	27.07.2020 to 28.07.2020.
17	Dr. Sunil Kumar	Faculty Development Programme on "Advancement of Intelligent System and Computation"	CSE Department, JIS College of Engineering, Kalyani, West Bengal	CSE Department	JIS College of Engineering, Kalyani, West Bengal	Kalyani, West Bengal	20.04.2021 to 24.04.2020

18	Dr. Sunil Kumar	Workshop on Outcome based Education Framework	CSE Department, Guru Jambheshwar University of Science & Technology, Hisar	CSE Department	Guru Jambheshwar University of Science & Technology, Hisar	Hisar	17.03.2021
19	Seema Rani	Malware Analysis And Reverse Engineering	National Institute of Technical Teachers Training and Research, Chandigarh.	Department of Computer Science & Engineering	NITTTR	Chandigarh	15/07/2020 to 17/07/2020 (Three Days)
20	Seema Rani	IoT and Machine Learning Applications	National Institute of Technical Teachers Training and Research, Chandigarh.	Department of Computer Science & Engineering	NITTTR	Chandigarh	16/11/2020 to 20/11/2020 (One Week)

(f) National /International Webinars Attended

Sr. No.	Name of Teacher/Faculty	Title of webinar	Name of Host organization	Dates
1.	ANJU	How Social is Social Media?	UGC-Human Resource Development Centre	27 July, 2021
2.	Manoj Kumar	Simplifying IPR and Patent Filing	BVICAM, New Delhi	24-07-2020
3.	Manoj Kumar	MATLAB for New User	PDUCIC, GJUS&T, Hisar	11-08-2020
4.	Manoj Kumar	Mathematical Modelling with MATLAB	PDUCIC, GJUS&T, Hisar	13-08-2020
5.	Manoj Kumar	Citations and Reference Management using Mendeley	BVICAM, New Delhi	14-08-2020
6.	Manoj Kumar	Machine Learning with MATLAB	PDUCIC, GJUS&T, Hisar	18-08-2020
7.	Manoj Kumar	Use of LMS, Virtual Teaching and OBE Software for Engineering Colleges	VMedulife Software Services	20-08-2020

8.	Manoj Kumar	Data Science Transformation Journey	GJUS&T, Hisar	29-08-2020
9.	Manoj Kumar	Role of Yogic Practices in Present Pandemic Scenario	Department of Physiotherapy, GJUS&T, Hisar	21-06-2021
10.	Dr Deepak Nandal	How Social is Social Media	UGC- Human Resource Development Center	27th july 2021
11.	Dr Deepak Nandal	Data Science Transformation Journey	Department of CSE, GJUS&T, Hisar	29th August 2020
12.	Dr Deepak Nandal	Block Chain Technology	Department of CSE, GJUST, Hisar	14th August 2020
13.	Dr Deepak Nandal	Data science transformation journey	Department of CSE, GJUST, Hisar	29th August 2020
14.	Narender Kumar	Recent Advances in Machine Learning	Deptt. Of CSE, GJUS&T Hisar	28th July 2020
15.	Narender Kumar	Webinar on Edge Computing and IoT	Deptt. Of CSE, GJUS&T Hisar	06th Aug. 2020
16.	Narender Kumar	A Live Webinar on Block chain Technology	Deptt. Of CSE, GJUS&T Hisar	14th Aug. 2020
17.	Narender Kumar	Data science Transformation Journey	Deptt. Of CSE, GJUS&T Hisar	29th Aug. 2020
18.	Ms. Sakshi Dhingra	Data Science Transformation Journey	GJUS&T, Hisar	29-08-2020
19.	Ms. Seema Rani	Cyber Virus that took his path with Corona Virus- A Disaster Journey of Malicious Malware in the ASEAN Countries	IFERP	15/09/2020
20.	Ms. Seema Rani	Cornerstone of Scientific Publication-2 (International)	Innovative Education and Scientific Research Foundation	06/09/2020
21.	Ms. Seema Rani	Cognitive Radio Wireless- Sensor Network- Application and Challenges (National)	Institute For Engineering Research and Publication (IFERP)	10/09/2020

22.	Ms. Seema Rani	Technology Based Teaching in Class (National)	IFERP	10/09/2020
23.	Ms. Seema Rani	Scope, Opportunities and Challenges of E-Vehicle in India (National)	IFERP	12/09/2020
24.	Ms. Seema Rani	Modeling of Biomedical Applications Using Neural Networks in International Short Term Training Program Held in India. (National)	IFERP	16/09/2020
25.	Ms. Seema Rani	Effective Influence for Greater Success (International)	Institute of Global Professionals	14/09/2020
26.	Ms. Seema Rani	Personality Development and Winning Attitude (National)	IFERP	18/09/2020
27.	Ms. Seema Rani	Introduction To AI & Machine Learning for Biologists (National)	Manav Human Atlas Initiative	17/09/2020
28.	Ms. Seema Rani	Learning Path to Data Science (National)	IFERP	26/09/2020
29.	Ms. Seema Rani	National Education Policy (National)	IFERP	13/09/2020
30.	Ms. Seema Rani	Biodiversity National Webinar 2021(National)	Mannar Thirumalai Naicker College ,Pasumalai (A Grade by NAAC)	29/05/2021
31.	Ms. Seema Rani	Involvement of Youth towards Environment Conservation (National)	Guru Nanak College, Chennai (Reaccredited with 'A' Grade by NAAC)	06/06/2021
32.	Ms. Seema Rani	Right To Information: Practice and Procedure (National)	Shri Shankaracharya Mahavidyalaya, Junwani, Bhilai (Reaccredited With 'A' Grade by Naac)	07/06/2021
33.	Ms. Seema Rani	Role of Yogic Practices in Present Pandemic Scenario	Department Of Physiotherapy, GJUS&T, Hisar	21/06/2021

(g) Total number of Refresher/ Oriented Courses attended:
   i)   **Refresher Courses**   : **10**
   ii)   **Oriented Courses/FDP**   : **10**
   iii)   **Webinars**   : **33**
   iv)   **Total**   : **53**

(XIII) Association with National and State Level Bodies (Give teacher-wise details):

   i)   Membership of Professional Bodies:

Prof. Dharminder Kumar	• Life member of Computer Society of India • Member, IAENG (ID. No. 111174) • Member, SPSTI (ID. No. LM1034)
Prof. Pradeep Kr. Bhatia	• Review a manuscript for Global Journal of Research and Review. • Review a manuscript for International Journal of Statistic and Reliability Engineering (IJSRE) • Review a Manuscript for Advances in Science, Technology and Engineering Systems Journal (ASTIST)
Dr. OP Sangwan	• Life Member, Computer Society of India, India. (Membership No. 01083699) • Member, IACSIT (International Association of Computer Science and Information Technology, USA (Membership No. 80331424) • Member, Computer Science Teacher Association, New York, USA (Membership No. 4711935) • Member, International Association of Engineers (IAENG), Hong Kong (Membership No. 123697) • Member, IACSIT (International Association of Computer Science and Information Technology, USA (Membership No. 80331424) • Reviewer, Internal Journal of Expert Systems with Applications or its Open Access Mirror, Elsevier. • Reviewer, Advances in Science, Technology and Engineering Systems Journal (ASTES), UK and United States. • Reviewer, Journal of King Saud University - Computer and Information Sciences, Elsevier. • Reviewer, Computer Methods and Programs in Biomedicine, Elsevier. • Reviewer, SN Applied Science (SNAS), Springer Nature.
Mr. Manoj Yadav	• (AMIE) Associate members of the Institution of Engineers (India) (Membership No AM1753781)
Narender Kumar	• ISTE Member

Abhishek Kajal	• CSI
SEEMA RANI	1. Life Member of Indian Red Cross Society 2. Membership of International Association of Engineers (IAENG) 3. Life Membership of Indian Society for Technical Education (ISTE) 4. Member of Internet Society 5. Membership of international Computer Science & Engineering Society (ICSES) 6. Membership of SCIence and Engineering Institute (SCIEI) 7. Membership of IFERP

ii) Member of Expert Committees:

Prof. Dharminder Kumar	NIELIT, NBA, NBA-NIRF, DCRUST, YMCA UST, UOU, BOG-HSTES.
Prof. Saroj	• Member of DRC, BOS and Faculty of Engineering • Member of state executive committee
Prof Pradeep Kumar Bhatia	• Subject expert OF Selection Committee, Central University Mahendergarh on 04-11-2020
Prof. Om Parkash Sangwan	• 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 & Information Technology), Electronics Niketan, 6, CGO Complex, Lodhi Road, New Delhi-110003. • Appointed as Proctor for the conduct of Student Learning Assessment (SLA) TEQIP-III (No. TEQIP/GJUST/2019/2089-90 dated 05.03.2019). • Expert Member in Inspection committee for inspection of study Centre of Distance Education, GJUST, Hisar, (No.DE-3/2018/82 dt. 29.10.2018). • Member, Board of Studies & Research in Computer Science & Engineering, Member Departmental Research Committee (DRC).

	• 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.
SEEMA RANI	• Member of Committee for Framing Course objectives for BCA Programme.

iii) Member of Academic Bodies of other institutions:

Prof. Rishi Pal Singh	• Member of Academic Bodies of various other Institutions: ▪ MDU, Rohtak ▪ Indira Gandhi University, Meerpur, Rewari
Prof. Dinesh Kumar	• Member, Academic Council, DCRUST, Murthal • Expert Member, SOVET, IGNOU, Delhi • Member, Board of Studies (BOS), Faculty of Engineering & Technology, Central University of Haryana, Mahendergarh • Member, Board of Studies (BOS), Department of Computer Science & Applications, Kurukshetra University, Kurukshetra
Prof. Dharminder Kumar	• Member, Academic Council, Uttarakhand Open University, Haldwani. • Member, Faculty of Engineering and Technology, MDU Rohtak. • Member, Faculty of Engineering and Technology, MMU, Mullana. • Member, BOS in Engineering & Technology, MDU Rohtak. • Member, UGBOS, CS, CDLU, Sirsa. • Member, BOS, SRM University, Sonepat. • Member, DRC, BPSM Vishwavidyalaya, Khanpur Kalan, Sonepat.
Prof. Pradeep Kr. Bhatia	• Member of PGBOS in CRS University , Jind
Prof. Om Parkash Sangwan	o 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). o Member of Doctoral Committee-Reg, Department of Computer Science & Engineering, SRM University, Haryana (Ref. No.: SRMUH/CSE/PhD/2018/03, dated 11.04.2018). o Member, SRC, Department of IT, Delhi Technological University, Delhi.
Dr. Ritu Makani	• Member BOSR
Dr. Deepak Nandal	• Department Research Committee
SEEMA RANI	1. Nodal Officer: E-Office 2. Office In charge: Scholarship 3. Office In charge: Attendance 4. Chairperson of SCST

	5. Office In charge: Time Table
	6. Member: Internal Complaint Committee
	7. Advisory Member: NSS
	8. Member: Training Placement Cell
	9. Member: Discipline Committee
	10. Member: Entrepreneurship Development Programming Cell
	11. Member: Cultural Core Committee
	12. Member: Anti-ragging SQAD
	13. Member: Establishment of Centre of Excellence for Artificial Intelligence
	14. Member: Industry Interaction Cell
	15. Member: Awareness Campaign regarding admission in engineering courses
	16. Deputy Superident : CDLSIET, panniwalamota, Sirsa for conducting Theory Exams.
	17. Paper Setter/Paper Checker: Different Universities & colleges

(XIV) Detail of Consultancy Work in Department: NIL

Name of Teacher	Job Work	Name of Agency	Total Amount

(XV) Lectures (other than class) delivered (Give teacher wise detail)

Type	Topic/ Subject	Institution	Dates	Faculty Name

(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	Till date
2.	Prof. Om Prakash Sangwan	Director, DDE	01-October-2020	Till Date
3.	Pradeep Kumar Bhatia	Member of Court Member of Executive Council (EC) Member of Academic Council (AC)	19-4-19 28-8-20 4-2-20	1-5-2020 22-4-2021 19-3-2021
4.	Ms. Ritu	Member FET Member University Court	Current 17-3-2021	1-11-2022 Till Date

5.	Dr. Sunil Kumar	Incharge, Department of Data Science	22.04.2021	Till Date
6.	Dr. Sunil Kumar	Convenor, Departmental IQAC Committee	24.03.2021	Till Date
7.	Dr. Sunil Kumar	Coordinator, Classes for preparation of GATE Exam	25.03.2021	Till Date

(XVII)   Training & Placement Activities of the Department:

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

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

(XIX)   Awards/ Honors received by Faculty (Give teacher-wise details about title of award, awarding agency and date of conferment):

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

Signature of the Chairperson

ANNEXURE

DEPARTMENT OF Computer Science & Engineering

(I)   TOTAL NO. OF RESEARCH PAPERS PUBLISHED: 35
      NATIONAL: Nil
      INTERNATIONAL: 35

(I)   TOTAL NO. OF FUNDED RESEARCH PROJECTS: Nil
      COMPLETED: Nil
      ON GOING: Nil

(III)   TOTAL NO. OF PARTICIPATED AND CONTRIBUTED RESEARCH PAPERS: 31
      SEMINARS & CONFERENCES: 05
      INTERNATIONAL LEVEL: 20

(IV)   TOTAL NO. OF BOOKS/Book Chapters PUBLISHED: 12

(V)   NUMBER OF SCHOLARS COMPLETED THEIR PH.D. DEGREE: 03

(VI)   TOTAL NUMBER OF SCHOLARS REGISTERED TO PH.D.   PROGRAMME 16