

3.1.2	<b>The department provides seed money to its teachers for research</b>
	3.1.2.1: The amount of seed money provided by institution to its faculty year-

S.No	Name of the faculty receipient of Seed Money	Date of grant DD-MM-YYYY	Amount granted (INR in Lakhs) <del>(2019-</del> 2023)
N/A	N/A	N/A	N/A

3.1.3 Percentage of teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research during the last five years (2019-2023)							
Name of the teacher received the national/ international fellowship/financial support	Name of the fellowship	Financial support (amount in INR)	Purpose of the grant	Stature of fellowship (national/International)	Awarding Agency	Year of Award	Link to the Grant letter/Award Letter
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

## 3.1.4

*Percentage of JRFs, SRFs among the enrolled PhD scholars in the institution during the last five years*3.1.4.1: The Number of JRFs, SRFs among the enrolled PhD scholars in the institution during the last five years **(2019-2023)**

3.1.4.1: Number of PhD Scholars enrolled during last five years

Name of the Scholar	Specify the grants viz JRF/SRF/PDF/RA/others (please specify)	Awarding agency	Year of award	Period of award (in years)
IFRA ALTAF	Departmental Scholarship	University Scholarship	2019	1 YEAR
TAHIR MUJTABA	MANF	UGC	2019	1 YEAR(5 YEARS)
MUKHTAR SOFI	MANF	UGC	2019	1 YEAR(5 YEARS)
AASIA REHMAN	MANF	UGC	2019	1 YEAR(5 YEARS)
BISMA SULTAN	NET-JRF	UGC	2019	1 YEAR(5 YEARS)
ARIF A RATHER	NET-JRF	UGC	2019	1 YEAR(5 YEARS)
AADIL RASHID BHAT	NET-JRF	UGC	2019	1 YEAR(5 YEARS)
LUBNA RIYAZ	NET-MANF	UGC	2019	1 YEAR(5 YEARS)
YOUNUS ALI	Departmental Scholarship	University Scholarship	2020	1 YEAR
TALIB IQBALL	Departmental Scholarship	University Scholarship	2020	1 YEAR
NOWSHEEN MEARAJ	Departmental Scholarship	University Scholarship	2020	1 YEAR
IFRA ALTAF	Departmental Scholarship	University Scholarship	2020	1 YEAR
HUMA FAROOQ	Departmental Scholarship	University Scholarship	2020	1 YEAR
AAMIR SALAM AHANGER	Departmental Scholarship	University Scholarship	2020	1 YEAR
TAHIR MUJTABA	MANF	UGC	2020	1 YEAR(5 YEARS)
MUKHTAR SOFI	MANF	UGC	2020	1 YEAR(5 YEARS)
MOHMAD AZHAR	MANF	UGC	2020	1 YEAR(5 YEARS)
AASIA REHMAN	MANF	UGC	2020	1 YEAR(5 YEARS)
BISMA SULTAN	NET-JRF	UGC	2020	1 YEAR(5 YEARS)
ARIF A RATHER	NET-JRF	UGC	2020	1 YEAR(5 YEARS)
AADIL RASHID BHAT	NET-JRF	UGC	2020	1 YEAR(5 YEARS)
LUBNA RIYAZ	NET-MANF	UGC	2020	1 YEAR(5 YEARS)
WASIA ASHRAF	Departmental Scholarship	University Scholarship	2021	1 YEAR
TALIB IQBALL	Departmental Scholarship	University Scholarship	2021	1 YEAR
NOWSHEEN MEARAJ	Departmental Scholarship	University Scholarship	2021	1 YEAR
NAHIDA SHAFI	Departmental Scholarship	University Scholarship	2021	1 YEAR

IFRA ALTAF	Departmental Scholarship	University Scholarship	2021	1 YEAR
HUMA FAROOQ	Departmental Scholarship	University Scholarship	2021	1 YEAR
HUFSA MANZOOR	Departmental Scholarship	University Scholarship	2021	1 YEAR
AAMIR SALAM AHANGER	Departmental Scholarship	University Scholarship	2021	1 YEAR
AABIDAH NAZIR	Departmental Scholarship	University Scholarship	2021	1 YEAR
MOHMAD AZHAR	MANF	UGC	2021	1 YEAR(5 YEARS)
AASIA REHMAN	MANF	UGC	2021	1 YEAR(5 YEARS)
TAHIR MUJTABA	MANF-SRF	UGC	2021	1 YEAR(5 YEARS)
MUKHTAR SOFI	MANF-SRF	UGC	2021	1 YEAR(5 YEARS)
BISMA SULTAN	NET-JRF	UGC	2021	1 YEAR(5 YEARS)
ARIF A RATHER	NET-JRF	UGC	2021	1 YEAR(5 YEARS)
AADIL RASHID BHAT	NET-JRF	UGC	2021	1 YEAR(5 YEARS)
LUBNA RIYAZ	NET-MANF	UGC	2021	1 YEAR(5 YEARS)
TALIB IQBALL	MANF	UGC	2022	1 YEAR(5 YEARS)
MOHMAD AZHAR	MANF	UGC	2022	1 YEAR(5 YEARS)
AASIA REHMAN	MANF	UGC	2022	1 YEAR(5 YEARS)
TAHIR MUJTABA	MANF-SRF	UGC	2022	1 YEAR(5 YEARS)
MUKHTAR SOFI	MANF-SRF	UGC	2022	1 YEAR(5 YEARS)
ARJUMAND AKBAR	NET-JRF	UGC	2022	1 YEAR(5 YEARS)
LUBNA RIYAZ	NET-MANF	UGC	2022	1 YEAR(5 YEARS)
BISMA SULTAN	NET-SRF	UGC	2022	1 YEAR(5 YEARS)
ARIF A RATHER	NET-SRF	UGC	2022	1 YEAR(5 YEARS)
AADIL RASHID BHAT	NET-SRF	UGC	2022	1 YEAR(5 YEARS)
TALIB IQBALL	MANF	UGC	2023	1 YEAR(5 YEARS)
MOHMAD AZHAR	MANF	UGC	2023	1 YEAR(5 YEARS)
AASIA REHMAN	MANF	UGC	2023	1 YEAR(5 YEARS)
MUKHTAR SOFI	MANF-SRF	UGC	2023	1 YEAR(5 YEARS)
ARJUMAND AKBAR	NET-JRF	UGC	2023	1 YEAR(5 YEARS)
BISMA SULTAN	NET-SRF	UGC	2023	1 YEAR(5 YEARS)
ARIF A RATHER	NET-SRF	UGC	2023	1 YEAR(5 YEARS)
AADIL RASHID BHAT	NET-SRF	UGC	2023	1 YEAR(5 YEARS)
TABASSUM GULL	INSPIRE-JRF	DST	2020-21	1 YEAR(5 YEARS)
TABASSUM GULL	INSPIRE-JRF	DST	2021-22	1 YEAR(5 YEARS)
TABASSUM GULL	INSPIRE-SRF	DST	2022-23	1 YEAR(5 YEARS)

**3.2.1** 3.2.1 Research funding received by the institution and its faculties through Government and non-government sources such as industry, corporate houses, international bodies for research project, endowments, Research Chairs during the last five years (INR in Lakhs) **(2019-2023)**

3.2.1.1: Total Grants for Research funding received by the institution and its faculties through Government and non-government sources such as industry, corporate houses, international bodies for research project, endowments, Research Chairs during the last five years (INR in Lakhs) **(2019-2023)**

**3.2.2** Number of research projects per teacher funded by government, non-government, industry, corporate houses, international bodies during the last five years

3.2.2.2 : Number of full time teachers working in the institution during the last 5 years **(2019-2023)**

S.No	Name of the PI/ Co-PI/Name of the person holding the Chair	Title of the research project, endowments, Research Chairs	Name of the funding agency	Duration	Year of award or sanction	Amount in INR. Lakhs
1	Prof. Mohd Arif Wani	Artificial Intelligence Research Center	RUSA	3 Years	2021	220
2	Prof. Mohd Arif Wani	Approach for Subspace Segmentation and Clustering	JK STIC	2 Years	2021	4.48
3	Dr. Javid Iqbal	Algorithm design and Mathematical Modelling of Software testing effort consumption	JK STIC	2 Years	2021	3
4	Dr. Manzoor A Chachoo	Impact of online education in kashmir during Covid-19	JK STIC	1 Year	2021	1.5
5	Dr. Manzoor A Chachoo	Development of a tri-lingual dictionary in kashmir, urdu and English	RUSA	2 Years	2020	35
6	Dr. Sajid Y Bhat	Computer Numerical Machine for making small wood carving articles	JK STIC	3 Years	2021	4.09
7	Dr. Faheem Masoodi	A fuzzy GRA/AHP based comprehensive analysis of Opportunities, challenges and implementation of IOT with an Indian Perspective	JK STIC	3 Years	2021	3

3.3.2	<b>Number of awards received for research/innovations by the institution/teachers/research scholars/ students during the last five years</b>
	<b>3.3.2.1: Total number of awards received for research/innovations by institution/teachers/research scholars/students year wise during the last five years (2019-2023)</b>

<b>Name of the awardee</b>	<b>Name of the award</b>	<b>Name of the awarding body</b>	<b>Category of award (innovation/technology transfer etc)</b>	<b>Year of award</b>
N/A	N/A	N/A	N/A	N/A

3.4.1                    **3.4.1 The institution ensures implementation of its stated Code of Ethics**

3.4.1.1 : The institution has a stated Code of Ethics for research and the implementation of which is ensured through the following:

1. Inclusion of research ethics in the research methodology course work
2. Presence of institutional Ethics committees (Animal, chemical,bio-ethics etc.,)
3. Plagiarism check
4. Research Advisory Committee

**Options:**

- A. All of the above
- B. Any 3 of the above
- C. Any 2 of the above
- D. Any 1 of the above
- E. None of the above(**Opt any one**)

<b>1. Inclusion of research ethics in the research methodology course work</b>	<b>2. Presence of institutional Ethics committees (Animal, chemical,bio-ethics etc.,)</b>	<b>3. Plagiarism check</b>	<b>4. Research Advisory Committee</b>
Yes	No	Yes	Yes

### 3.4.2 Number of Patents awarded during the last five years

3.4.2.1: Total number of Patents awarded year-wise during the last five years(2019-2023)

Name of the Faculty/student author of the patent	Patent Number	Date of Award	Patenet Awarding Agency
N/A	N/A	N/A	N/A
• In case of patents obtained outside India, provide us one of the following:			

the current status of the Indian Patent application

2. If you have filed the foreign patent without filing corresponding Indian Patent application, please provide us a copy of foreign filing license obtained from Indian Patent office as per Section 39 of Indian Patent act, 1970.



3.4.3 **3.4.3 Number of Ph.Ds awarded per recognized guide during the last five years**

3.4.3.1: How many Ph.D s were awarded during last 5 years **(2019-2023)**

3.4.3.2 : Number of teachers recognized as guides during the last five years **(2019-2023)**

Name of the Phd research Scholar	Name of the research Supervisor	Year of registration	Year of completion and Award of PhD
Ishfaq Majeed Sheikh	Dr. Manzoor Ahmad Chachoo	26-Dec-18	23-11-2023
Tahir Mujtaba	Prof.M.Arif Wani	01-09-2015	10-08-2022
Syed Abrar Ul Haq	Dr. Javaid Iqbal	10-09-2015	05-07-2022
Sameer Koul	Dr. Majid Zaman	01-Oct-15	2022
Owais	Dr. Dawood	02-Sep-15	18-07-2022
Nayeem Ahmad Bhat	Dr Umar Farooq	13-Jun-17	14-03-2022
Zubair Jeelani	Dr. Fasel Qadri	11-Jan-16	16-01-2022
Ms Iqra Saraf	Dr. Javaid Iqbal	09-Nov-15	19-10-2019
Shifaa Basharat	Dr. Manzoor Ahmad Chachoo	20-Jan-14	19-10-2019
Mohamad Ahtisham Wani	Dr. Wasim Ahmad Bhat	23-Sep-15	20-06-2019
Shozab Khurshid	Dr. Javaid Iqbal	01-Sep-15	27-07-2019
Razeef Mohd	Dr. Muheet Ahmad Butt	01-Oct-15	19-10-2019
Muzafar Rasool Bhat	Prof.M.Arif Wani	29-Jun-13	24-06-2019
Towseef Ah Teli	Prof.M.Arif Wani	29-Jun-13	24-06-2019
S Jahangeer Sidiq	Dr. Majid Zaman	29-Apr-16	24-06-2019
Mohsin Altaf Wani	Dr. Manzoor Ahmad Chachoo	21-Oct-14	20-04-2019
Musadir Mohd	Dr. Rana Hashimy	22-Oct-14	20-04-2019
Muneer Ahmad Dar	Dr. Javed Parvez		23-02-2019
Heena Farooq Bhat	Prof.M.Arif Wani		23-02-2019
Waseem Bakshi	Dr. Rana Hashmy	22-Oct-14	
Mubashira Majeed	Prof.S.M.K.Quadri		19-01-2019
Farooq Ahmad Bhat	Prof.M.Arif Wani		19-01-2019

### 3.4.4 Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years(2019-2023)

3.4.4.1: Number of research papers published in the Journals as notified on UGC website during the last five years (2019-2023)

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
						Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list
"Generalized multi-release modelling of software reliability growth models from the perspective of two types of imperfect debugging and change point."	Saraf, Iqra, and Javaid Iqbal.	Department of Computer Sciences	Quality and Reliability Engineering International	2019			<a href="https://onlinelibrary.wiley.com/doi/abs/10.1002/qre.2516">https://onlinelibrary.wiley.com/doi/abs/10.1002/qre.2516</a>	
"Generalized software fault detection and correction modeling framework through imperfect debugging, error generation and change point."	Saraf, Iqra, and Javaid Iqbal.	Department of Computer Sciences	International Journal of Information Technology	2019			<a href="https://link.springer.com/article/10.1007/s41870-019-00321-x">https://link.springer.com/article/10.1007/s41870-019-00321-x</a>	
"Generalized multi-release framework for fault prediction in open source software."	Khurshid, Shozab, Avinash K. Shrivastava, and Javaid Iqbal.	Department of Computer Sciences	International Journal of Software Innovation (IJSI)	2019			<a href="https://www.researchgate.net/publication/353791707_Generalized_Multi-Release_Framework_for_Fault_Prediction_in_Open_Source_Software">https://www.researchgate.net/publication/353791707_Generalized_Multi-Release_Framework_for_Fault_Prediction_in_Open_Source_Software</a>	
"Generalised fault detection and correction modelling framework for multi-release of software."	Saraf, Iqra, Avinash K. Shrivastava, and Javaid Iqbal.	Department of Computer Sciences	International Journal of Industrial and Systems Engineering	2020			<a href="https://www.researchgate.net/publication/340330285_Generalised_fault_detection_and_correction_modelling_framework_for_multi-release_of_software">https://www.researchgate.net/publication/340330285_Generalised_fault_detection_and_correction_modelling_framework_for_multi-release_of_software</a>	
Effort based software reliability model with fault reduction factor, change point and imperfect debugging	S Khurshid, AK Shrivastava, J Iqbal	Department of Computer Sciences	International Journal of Information Technology	2021			<a href="https://link.springer.com/article/10.1007/s41870-019-00286-x">https://link.springer.com/article/10.1007/s41870-019-00286-x</a>	
"Effort-based fault detection and correction modelling for multi release of software."	Saraf, Iqra, Avinash K. Shrivastava, and Javaid Iqbal.	Department of Computer Sciences	International Journal of Information and Computer Security	2021			<a href="https://www.inderscienceonline.com/doi/abs/10.1504/IJICS.2021.114711">https://www.inderscienceonline.com/doi/abs/10.1504/IJICS.2021.114711</a>	
Generalised multi release framework for fault determination with fault reduction factor	Shozab Khurshid , Avinash K. Shrivastava and Javaid Iqbal	Department of Computer Sciences	International Journal of Information and Computer Security	2022	1744-1765		<a href="https://www.inderscienceonline.com/doi/abs/10.1504/IJICS.2022.121296">https://www.inderscienceonline.com/doi/abs/10.1504/IJICS.2022.121296</a>	
An Effective Intrusion Detection System Using Homogeneous Ensemble Techniques	Faheem Syeed Masoodi, Iram Abrar and Alwi M. Bamhdi	Department of Computer Sciences	International Journal of Information Security and Privacy	2022	1930-1650		<a href="https://www.igi-global.com/article/an-effective-intrusion-detection-system-using-homogeneous-ensemble-techniques/285018">https://www.igi-global.com/article/an-effective-intrusion-detection-system-using-homogeneous-ensemble-techniques/285018</a>	
OvSbChain: An Enhanced Snowball Chain Approach for Detecting Overlapping Communities in Social Graphs	Gulati, Jayati; Abulaish, Muhammad; Bhat, Sajid Yousuf.	Department of Computer Sciences	International Journal of Advanced Computer Science and Applications	2022	2158107X		<a href="https://www.proquest.com/openview/c3f8fab0beb0ec908ed65d8bdf15c0/1?pq-origsite=gscholar&amp;cbl=5444811">https://www.proquest.com/openview/c3f8fab0beb0ec908ed65d8bdf15c0/1?pq-origsite=gscholar&amp;cbl=5444811</a>	
An enforced block diagonal low-rank representation method for the classification of medical image patterns	Ishfaq Majeed Sheikh, Manzoor Ahmad Chachoo	Department of Computer Sciences	International Journal of Information Technology	2022	1221-1228		<a href="https://link.springer.com/article/10.1007/s41870-021-00841-5">https://link.springer.com/article/10.1007/s41870-021-00841-5</a>	
An efficient biomedical cell image fusion method based on the multilevel low rank representation	Ishfaq Majeed Sheikh, Manzoor Ahmad Chachoo, Arif Ahmed Rather	Department of Computer Sciences	International Journal of Information Technology	2022	1221-1228		<a href="https://link.springer.com/article/10.1007/s41870-022-01002-y">https://link.springer.com/article/10.1007/s41870-022-01002-y</a>	
UMAP guided topological analysis of transcriptomic data for cancer subtyping	Arif Ahmed Rather , Manzoor Ahmad Chachoo	Department of Computer Sciences	International Journal of Information Technology	2022	1221-1228		<a href="https://link.springer.com/article/10.1007/s41870-022-01048-y">https://link.springer.com/article/10.1007/s41870-022-01048-y</a>	
Manifold learning based robust clustering of gene expression data for cancer subtyping	Arif Ahmed Rather , Manzoor Ahmad Chachoo	Department of Computer Sciences	Informatics in Medicine Unlocked	2022	2352-9148		<a href="https://www.sciencedirect.com/science/article/pii/S2352914822000570">https://www.sciencedirect.com/science/article/pii/S2352914822000570</a>	
Lingual markers for automating personality profiling: background and road ahead	Mohmad Azhar Teli , Manzoor Ahmad Chachoo	Department of Computer Sciences	Journal of Computational Social Science	2022	2432-2725		<a href="https://link.springer.com/article/10.1007/s42001-022-00184-6">https://link.springer.com/article/10.1007/s42001-022-00184-6</a>	

Protein secondary structure prediction using data-partitioning combined with stacked convolutional neural networks and bidirectional gated recurrent units	Mukhtar Ahmad Sofi, M. Arif Wani	Department of Computer Sciences	International Journal of Information Technology volume	2022	2285–2295		<a href="https://link.springer.com/article/10.1007/s41870-022-00978-x">https://link.springer.com/article/10.1007/s41870-022-00978-x</a>	
Segmentation of Satellite Images of Solar Panels Using Fast Deep Learning Model	M. Arif Wani, Tahir Mujtaba	Department of Computer Sciences	INTERNATIONAL JOURNAL of RENEWABLE ENERGY RESEARCH	2022	1309-0127		<a href="https://dl.wqtxts1xzle7.cloudfront.net/83046099/pdf-with-cover-page-v2.pdf?Expires=1664520213&amp;Signature=GmgeSfTUoAKseG3Cf3xHnr~y--AjINhSt1ihvPzrtINq4oC0ylgybSmlhB2c0HpcHGj9SWBi750qFEjmWAe~6yrvTYccwsSdDkWYooJueSxulgXiKrolziA4Wved5lPqB0waEtwNvwFC4XBP6i~Egcv9cZC-gTTXIMkQCSocJpLO7-c7Sk0qlNTcf97UY6E~NIusAd6MIDmNxmdMTbCktHRum7ifBC~jEszzLKENW70fSp1YnepU5TksDmYQPzob5rYRKgyKAER9qVKVQu4h6oHzvWSApsjQGJSSMvkg0RxUeHV662jeZ8c~0JCfQ6Bzd2wvBaJeaHYMT~5HA_&amp;Key-Pair-Id=APKAJLOHF5GGSLRBV4ZA">https://dl.wqtxts1xzle7.cloudfront.net/83046099/pdf-with-cover-page-v2.pdf?Expires=1664520213&amp;Signature=GmgeSfTUoAKseG3Cf3xHnr~y--AjINhSt1ihvPzrtINq4oC0ylgybSmlhB2c0HpcHGj9SWBi750qFEjmWAe~6yrvTYccwsSdDkWYooJueSxulgXiKrolziA4Wved5lPqB0waEtwNvwFC4XBP6i~Egcv9cZC-gTTXIMkQCSocJpLO7-c7Sk0qlNTcf97UY6E~NIusAd6MIDmNxmdMTbCktHRum7ifBC~jEszzLKENW70fSp1YnepU5TksDmYQPzob5rYRKgyKAER9qVKVQu4h6oHzvWSApsjQGJSSMvkg0RxUeHV662jeZ8c~0JCfQ6Bzd2wvBaJeaHYMT~5HA_&amp;Key-Pair-Id=APKAJLOHF5GGSLRBV4ZA</a>	
Modelling reliability growth for multi-version open source software considering varied testing and debugging factors	I Saraf, J Iqbal, AK Shrivastava	Department of Computer Sciences	Quality and Reliability Engineering International	2022			<a href="https://onlinelibrary.wiley.com/doi/abs/10.1002/qre.3048">https://onlinelibrary.wiley.com/doi/abs/10.1002/qre.3048</a>	
"Modelling of NHPP based software reliability growth model from the perspective of testing coverage, error propagation and fault withdrawal efficiency."	Khurshid, Shozab, Javaid Iqbal	Department of Computer Sciences	International Journal of Reliability, Quality and Safety Engineering	2022			<a href="https://www.worldscientific.com/doi/10.1142/S0218539322500139">https://www.worldscientific.com/doi/10.1142/S0218539322500139</a>	
Modelling and predicting software vulnerabilities using a sigmoid function.	Iqbal, J., Firdous, T., Shrivastava, A. K., & Saraf, I.	Department of Computer Sciences	International Journal of Information Technology,	2022			<a href="https://www.researchgate.net/publication/357954848_Modelling_and_predicting_software_vulnerabilities_using_a_sigmoid_function">https://www.researchgate.net/publication/357954848_Modelling_and_predicting_software_vulnerabilities_using_a_sigmoid_function</a>	
"Integrating Burr type testing effort functions in logistic reliability growth model with uncertainty factor."	Iqbal, Javaid, Nyla Manzoor, Avinash K. Shrivastava, and Ishfaq A. Malik.	Department of Computer Sciences	International Journal of System Assurance Engineering and Management	2023			<a href="https://link.springer.com/article/10.1007/s13198-023-02084-y">https://link.springer.com/article/10.1007/s13198-023-02084-y</a>	
"Generalised multi release framework for fault determination with fault reduction factor."	Khurshid, Shozab, Avinash K. Shrivastava, and Javaid Iqbal.	Department of Computer Sciences	International Journal of Information and Computer Security	2023			<a href="https://www.inderscienceonline.com/doi/abs/10.1504/IJICS.2022.121296">https://www.inderscienceonline.com/doi/abs/10.1504/IJICS.2022.121296</a>	
Skull stripping on multimodal brain MRI scans using thresholding and morphology	Sajid Y Bhat, Afian Naqshbandi, Muhammad Abulaish	Department of Computer Sciences	The Imaging Science Journal	2023			<a href="https://www.tandfonline.com/doi/abs/10.1080/13682199.2023.2208923">https://www.tandfonline.com/doi/abs/10.1080/13682199.2023.2208923</a>	
OvSbChain: An Enhanced Snowball Chain Approach for Detecting Overlapping Communities in Social Graphs	Jayati Gulati, Muhammad Abulaish, Sajid Yousuf Bhat	Department of Computer Sciences	International Journal of Advanced Computer Science and Applications	2022			<a href="https://www.proquest.com/openview/c3f8fab06eb0ec908ed65d8b6df15c0/1?pq-origsite=gscholar&amp;cbl=5444811">https://www.proquest.com/openview/c3f8fab06eb0ec908ed65d8b6df15c0/1?pq-origsite=gscholar&amp;cbl=5444811</a>	
Scaling density-based community detection to large-scale social networks via MapReduce framework	Muhammad Abulaish, Ishfaq Majid Bhat, Sajid Yousuf Bhat	Department of Computer Sciences	Journal of Intelligent & Fuzzy Systems	2020			<a href="https://content.iiospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs182765">https://content.iiospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs182765</a>	

**Number of books and chapters in edited volumes published per teacher during the last five years (2019-2023)**

Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Whether at the time of publication Affiliating Institution was same Yes/No	Name of the publisher
1	Javaid Iqbal, Faheem Syeed Masoodi, Ishfaq Ahmad Malik, Shozab Khurshid, Iqra Saraf, Alwi M. Bamhdi	System Reliability and Security: Techniques and Methodologies, Volume I, 2023		2023	9781032624983	University of Kashmir	Taylor & Francis Group
2	Faheem Masoodi, Mohammad Quasim, Syed Bukhari, Sarvottam Dixit, Shadab Alam	Applications of Machine Learning and Deep Learning on Biological Data		2022	9781032214375	University of Kashmir	Taylor & Francis Group
3	Syed Nisar Hussain Bukhari, Faheem Masoodi, Muneer Ahmad Dar, Nisar IqbalWani, Adfar Sajad and Gousiya Hussain		Prediction of Squamous Diseases Using Machine Learning	2022	9781032214375	University of Kashmir	Taylor & Francis Group
4	Tawseef Ahmed Teli, Faheem Syed Masoodi and Zubair Masoodi		Application of Machine Learning and Deep Learning on Biological Data	2022	9781032214375	University of Kashmir	Taylor & Francis Group
5	Ishfaq Majeed Sheikh & Manzoor Ahmad Chachoo		Leukocytic Cell Nucleus Identification Using Boundary Cell Detection Algorithm with Dilation and Erosion Based Morphometry	2022	978-3-030-96569-3	University of Kashmir	Springer
6	Ishfaq Majeed Sheikh & Manzoor Ahmad Chachoo		Low-Rank Representation Based Approach for Subspace Segmentation and Clustering of Biomedical Image Patterns	2022	978-3-030-96569-3	University of Kashmir	Springer
7	M. Arif Wani, Vasile Palede	Deep Learning Applications, Volume 4, 2022		2022	978-981-19-6152-6	University of Kashmir	Springer
8	M. Arif Wani, Ishwar K. Sethi, Weisong Shi, Guangzhi Qu, Daniela Stan Raicu, Ruoming Jin	Proceedings of international conference on Machine Learning and Applications		2022	978-1-6654-4337-1	University of Kashmir	IEEE
9	M. Arif Wani, Taghi TaKhoshgoftaar, Vasile Palade	Deep Learning Applications, Volume 2, 2020		2020	978-981-15-6758-2	University of Kashmir	Springer
10	M. Arif Wani, Mehmed Kantardzic, Moamar Sayed-Mouchaweh	Deep Learning Applications		2020	978-981-15-1815-7	University of Kashmir	Springer
11	M. Arif Wani, Farooq A. Bhat, Sadaf Afzal, Asif I. Khan	Advances in Deep Learning,		2020	978-981-13-6794-6	University of Kashmir	Springer
12	M. Arif Wani, Taghi M. Khoshgoftaar, Dingding Wang, Huanjing Wang, Naeem (Jim) Seliya	Proceedings of Machine Learning and Applications		2019	978-1-7281-4549-5	University of Kashmir	IEEE

3.4.6 **E-content is developed by teachers**

1. For e-PG-Pathshala

2. For CEC (Undergraduate)

3. For SWAYAM

4. For other MOOCs platforms

5. Any other Government Initiatives

6. For Institutional LMS

Options:


A. Any 4 or all of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

E. None of the above

(Opt any one)

C

1. For e-PG-Pathshala	2. For CEC (Undergraduate)	3. For SWAYAM	4. For other MOOCs platforms	5. Any other Government Initiatives	6. For Institutional LMS
No	Yes		No	No	No

Faheem Syeed Masoodi  
Design and Analysis of Algorithms  
[https://onlinecourses.swayam2.ac.in/cec20\\_cs03/pr](https://onlinecourses.swayam2.ac.in/cec20_cs03/pr)

3

3.5.1	<b>Revenue generated from consultancy and corporate training during the last five years(2019-2023)</b>	
	3.5.1.1: Total amount generated from consultancy and corporate training year-wise during the last five years (INR in lakhs)	

Name of the faculty consultant or trainer	Organization to which consultancy or corporate training provided	Dates/duration of consultancy	Amount generated in INR
N/A	N/A	N/A	N/A

3.6.2 **Number of extension and outreach programs conducted by the institution through organised forums like NSS/NCC with involvement of community year wise during the last five years (2019-2023)**

3.6.2.1: Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years

Name of the activity	Organising unit/ Forum/ collaborating agency	Date of the activity DD-MM-YYYY	Number of students participated in such activities
N/A	N/A	N/A	N/A

**3.7.1 Number of functional MoUs /linkage with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years (2019-2023)**

**3.7.1.1:** Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years (2019-2023)

Year of signing MoU	Name of the organization with whom MOU/Collaboration being signed	Duration	Purpose of MOU/Collaboration	List the actual activities under each MOU year-wise	Date of the activity conducted
N/A	N/A	N/A	N/A	N/A	N/A