



Internal Quality Assurance Cell (IQAC)
**Proforma for 2020-2021 MANUU Annual Report &
2020-2021 Annual Quality Assurance Report (AQAR)**

Information required from 1st April 2020 to 30th June 2021

(The information sought below will be used for the preparation of both 2020-2021 University Annual Report and 2020-2021 AQAR to be submitted to NAAC)

Profile of the Department

1) Name of the Department/Centre/Directorate/College/Polytechnic/ITI:

Department of Computer Science and Information Technology

Department of Computer Science & Information Technology at Maulana Azad National Urdu University was established in 2006 with one year Post Graduate Diploma in Information Technology (PGDIT). The objective of the department is to impart quality education and achieve the vision of excellence in the field of Computer Science & IT. The Department started Master of Computer Applications (MCA) in 2011 to develop core competency in computer applications and inculcate students with software development skills, as well as to take up challenges in the research. Department started B.Tech (Computer Science) in 2013 that has been approved by All India Council for Technical Education (ACITE) wef 2015. Ph.D program in Computer Science commenced with effective from 2013 and M.Tech (Computer Science) wef 2015 respectively. Our both the PG programmes viz., MTech and MCA have been approved by the AICTE from the academic year 2020-21.

2) Date of Establishment : 2006

3) Name of the Head/Director/Principal/Regional Director/ In-charge:

Dr. Syed Imtiyaz Hassan

4) Details of the Faculty :

Name	Highest Qualification	Designation
Dr. Abdul Wahid	Ph.D	Professor
Dr Pradeep Kumar	Ph.D	Associate Professor
Dr. Syed Imtiyaz Hassan	Ph.D	Associate Professor
Ms. Tunga Arundhati	M.Tech	Assistant Professor
Dr Bonthu Kotaiah	Ph.D	Assistant Professor
Dr. Khaleel Ahmad	Ph.D	Assistant Professor
Ms. Khaleda Afroaz	M.Tech	Assistant Professor
Mr. Jameel Ahamed	M.Tech	Assistant Professor
Ms. Geeta Pattun	M.Tech	Assistant Professor
Mr. Mohd Omar	M.Tech	Assistant Professor
Mr. Mohammad Islam	M.Tech	Assistant Professor
Mr. Ahmad Talha Siddiqui	M.Tech	Assistant Professor
Ms. Afra Fathima	M.Tech	Assistant Professor
Dr. Muqem Ahmed	Ph.D	Assistant Professor
Mr. Mohd Rafeeq	M.Tech	Assistant Professor
Mr. Mohatesham Pasha Quadri	M.Tech	Assistant Professor
Dr. Aziz Ahmad	Ph.D	Guest Faculty
Ms. Nusrath Fathima	M.Tech	Guest Faculty
Mr. Badul Basit	M.Tech	Guest Faculty
Mr. Mohammad Rashid	M.Tech	Guest Faculty
Dr. Fareeha Rasheed	Ph.D	Guest Faculty
Ms. Syeda Ulfath Banu	M.Tech	Guest Faculty
Mr. Mohammad Alam Jamal	M.Tech	Guest Faculty
Mr. Amir Khan	M.Tech	Guest Faculty
Mr. MD Anjar Ahsan	M.Tech	Guest Faculty

5) Details of the Programmes offered by the Department/College during 2020-2021:

Programme	Number of seats available	Number of applications received	Number of Students enrolled	Number of female Students	Number of OBC/SC/ST/PWD
UG (B.Tech-CS)	75	561	55	19	32/00/01/00
UG (B.Tech-CS-LE)	8	91	12	6	09/00/00/00
PG (M.Tech-CS)	23	69	19	6	10/00/00/00
PG (MCA)	38	83	31	4	20/00/00/00
PhD	4	74	4	2	01/01/00/00
Diploma	Nil	Nil	Nil	Nil	Nil
Certificate	Nil	Nil	Nil	Nil	Nil
Any Other	Nil	Nil	Nil	Nil	Nil
Total	148	878	121	37	72/01/01/00

6) Number of JRFs, SRFs, Post-doctoral Fellows, Research Associates and other fellows in the Department/College enrolled during 2020-2021:

Name of the Scholar	Name of Research fellowship	Duration of fellowship	Funding agency
Mr. Naiyar Iqbal	SRF	3 Years	UGC
Mr. Syed Abdul Basit Andrabi	SRF	3 Years	UGC

7) Number of Boards of Studies (BoS) conducted: 01 Agenda: 14th Board of Studies Meeting

Proposed agenda items for 14th BOS Online Meeting scheduled to be held on 24/08/2020, 11.00AM –Regd.

Confirmation of 13th BOS meeting

Items for Reporting/Consideration:

- 14.2 Approval of syllabus as per Revised Curriculum for MCA Two Years program implemented from academic year 2020-21 and Bridge Course for MCA first year students
- 14.3 Approval of M.Tech Computer Science syllabus as per Revised AICTE Curriculum implemented from academic year 2020-21
- 14.4 Research and Publication Ethics course for research scholars for research scholars as per UGC recommendations
- 14.5 In view of pandemic KOVID-19, the practical examinations of B,Tech, MTech, MCA Odd semesters including final year project of B.Tech, MCA final year Project and M.Tech Dissertation viva conducted online by the panel of internal faculty of CS & IT Department MANUU Hyderabad as recommended by the 39th Academic Council
- 14.6 MoU with the National Defence University (UPNM) Malaysia

Item for ratification

14.7 Confirmation of 7th DRC meeting

8) Number of Departmental Research Committees (DRCs) conducted: 03

7th meeting of Departmental Research Committee (DRC) of Department of Computer Science & Information Technology, MANUU Hyderabad is scheduled to be held on 22/08/2020 at 12:00pm through ONLINE.

Agenda Items:

- 1. Confirmation of Minutes of 6th DRC meeting held on 28/10/2019
- 2. To consider & review the RAC report of research scholars in CS & IT Department
- 3. Consideration of Co-Supervisor

8th meeting of the Departmental Research Committee (DRC) of the Department of Computer Science & Information Technology, MANUU Hyderabad is scheduled to be held on 06/11/2021 at 3:00pm through ONLINE.

Agenda Items:

- 1. Confirmation of Minutes of 7th DRC meeting held on 22/08/2020
- 2. To consider the faculty members in CS & IT departments as eligible PhD supervisor

9th meeting of Departmental Research Committee (DRC) of the Department of Computer Science & Information Technology, MANUU Hyderabad is scheduled to be held on 18/01/2021 at 3:30pm through ONLINE.

Agenda Items:

- 1. Confirmation of Minutes of 8th DRC meeting held on 06/11/2021
- 2. To consider & review the RAC report of research scholars in the CS & IT department.
- 3. allocation of the supervisor to research scholars admitted in academic year 2020-21.
- 4. Composition of RAC for the research scholars admitted in academic year 2020-21

9) Student Performance and Learning Outcomes:

Programme Outcomes:

Programme	Outcome
B.Tech (Computer Science)	<ol style="list-style-type: none"> 1. Design a system to meet the desired needs in real life. 2. Apply knowledge of Mathematics, Statistics and computer science in different domains 3. Understands the Legal, Professional and Ethical Problems. 4. Recognize the importance of continuous learning 5. Application of Technical skills in multidisciplinary areas.
M.Tech (Computer Science/ MCA)	<ol style="list-style-type: none"> 1. Practice with an expertise in academics, entrepreneurship, design and development in computing technology, or research in a specialized area of computer science and Engineering to pursue higher studies. 2. Exhibit analytical, decision -making and problem solving skills by applying research principles for handling real life problems with realistic constraints. 3. Ability to communicate the findings or express innovative ideas in an effective manner with an awareness of professional, social and ethical responsibilities.
PhD (Computer Science)	<ol style="list-style-type: none"> 1. Demonstrate knowledge of technological advances through active participation in life-long learning 2. Accept to take up responsibilities upon employment in the areas of teaching, research. 3. Independently carry out research/investigation and development work to solve practical problems. 4. Engage in life-long learning and professional development through self-study, continuing education, professional and doctoral level studies

(a) Programme Specific Outcomes:

Programme	Specific Outcome
B.Tech (Computer Science)	<ol style="list-style-type: none"> 1. Application of fundamentals of science and mathematics to develop the algorithms in the areas of Networks, Machine learning, Data Analytics, Artificial Intelligence, Software Engineering and Multimedia. 2. Develop the construction of new Programming constructs to implement the algorithms. 3. Application of software tools for the designing of computer systems in multidisciplinary areas. 4. Adoption of advancement of technology by continuous learning.
M.Tech (Computer Science/ MCA)	<ol style="list-style-type: none"> 1. Apply knowledge of recent computing technologies, skills and current tools of computer science and engineering. 2. Ability to design and conduct experiments, as well as to analyze and interpret data. 3. Knowledge of contemporary research issues in the different areas of computer science & engineering 4. Ability to explore research gaps, analyze and carry out research in the specialized/emerging areas.
PhD (Computer Science)	<ol style="list-style-type: none"> 1. Demonstrate knowledge of technological advances through active participation in life-long learning 2. Accept to take up responsibilities upon employment in the areas of teaching, research. 3. Independently carry out research/investigation and development work to solve practical problems. 4. Engage in life-long learning and professional development through self-study, continuing education, professional and doctoral level studies

(c) Course Outcomes:

Name of the Programme	Name of the Course	Course Code	Course Outcome
B.Tech (Computer Science)	B.Tech (Computer Science)	BTCS	<ol style="list-style-type: none"> 1. Understand, design and analyze computer programs in the areas related to Algorithms, System Software, Web design, Big data, Artificial Intelligence, Machine Learning and Networking. 2. Focus on improving software reliability, network security or information retrieval systems 3. Make use of modern computer tools for creating innovative career paths, to be an entrepreneur and desire for higher studies
M.Tech (Computer Science/ MCA)	M.Tech (Computer Science/ MCA)	MTCS/ MMC A	<ol style="list-style-type: none"> 1. realize the uncertainty that is involved in a situation described 2. select a suitable probability model 3. estimate and test its parameters on the basis of real data 4. compute probabilities of interesting events and other vital characteristics
PhD (Computer Science)	PhD (Computer Science)	PHDC S	<ol style="list-style-type: none"> 1. Accept to take up responsibilities upon employment in the areas of teaching, research. 2. Independently carry out research/investigation and development work to solve practical problems. 3. Engage in life-long learning and professional development through self-study, continuing education, professional and doctoral level studies

10) Pass percentage of the students of the Department/College

Programme Code	Programme Name	Number of Students appeared in the final year examination	Number of Students passed in final semester /year examination	Pass Percentage
BTCS	B.Tech (Computer Science)	48	48	100
MTCS	M.Tech (Computer Science)	13	13	100
MMCA	Master of Computer Application	30	30	100

11) Courses for which syllabus revision was carried out during the academic year 2020-2021:

Programme with Code	Name of the Course	Course Code	Date of Revision
Approval of syllabus as per Revised AICTE Model Curriculum for M.Tech Computer Science implemented from academic year 2020-2021	M.Tech (Computer Science)	MTCS whole syllabus as per AICTE Model Curriculum	24/08/2020
Approval of syllabus as per Revised AICTE Model Curriculum for MCA 2 Year implemented from academic year 2020-2021	Master of Computer Application	MMCA whole syllabus as per AICTE Model Curriculum	24/08/2020

12) Programmes/courses focused on employability/ entrepreneurship/ skill development during the academic year 2020-2021:

Name of the Programme with Code	Date of Introduction	Name of the Course with Code	Date of Introduction
M.Tech (Computer Science)	2015	Personality Development through Life Enlightenment Skills (PGCS234GET)	2020
M.Tech (Computer Science)	2015	Data Science (MTCS113PET)	2020
M.Tech (Computer Science)	2015	English for Research Paper Writing (PGCS131GET)	2020
M.Tech (Computer Science)	2015	Blockchain Technology (MTCS211PET)	2020
MCA	2011	Data Science (MMCA311PCT)	2020
MCA	2011	Blockchain Technology (MMCA313PCT)	2020
MCA	2011	Machine Learning (MMCA314PCT)	2020
MCA	2011	Digital Marketing (MMCA316PET)	2020
MCA	2011	Internet of Things (MMCA317PET)	2020
MCA	2011	Artificial Neural Network (MMCA322PET)	2020
MCA	2011	PHP Programming (MMCA324PET)	2020
MCA	2011	English Language & Communication Lab (MMCA160AEP)	2020

13) New programmes/courses introduced during the academic year 2020-2021:

Name of the Programme with Code	Date of Introduction	Name of the Course with Code	Date of Introduction
PhD (Computer Science)	2013	Research and Publication Ethics (PHCS103CCT)	2020
M.Tech (Computer Science)	2015	Advanced Algorithm (MTCS111PCT)	2020
M.Tech (Computer Science)	2015	Research Methodology & IPR (MTCS111RMT)	2020
M.Tech (Computer Science)	2015	Data Science (MTCS113PET)	2020
M.Tech (Computer Science)	2015	Semantics Web (MTCS114PET)	2020
M.Tech (Computer Science)	2015	English for Research Paper Writing (PGCS131GET)	2020
M.Tech (Computer Science)	2015	Disaster Management (PGCS132GET)	2020
M.Tech (Computer Science)	2015	Sanskrit for Technical Knowledge (PGCS133GET)	2020
M.Tech (Computer Science)	2015	Value Education (PGCS134GET)	2020
M.Tech (Computer Science)	2015	Blockchain Technology (MTCS211PET)	2020
M.Tech (Computer Science)	2015	Compilers for High Performance Computing (MTCS212PET)	2020
M.Tech (Computer Science)	2015	Distributed Computing (MTCS213PET)	2020
M.Tech (Computer Science)	2015	Quantum Computing (MTCS215PET)	2020
M.Tech (Computer Science)	2015	Digital Image Processing (MTCS222PET)	2020
M.Tech (Computer Science)	2015	Mobile Applications & Services (MTCS224PET)	2020
M.Tech (Computer Science)	2015	Graphics Processing Unit Computing (MTCS225PET)	2020
M.Tech (Computer Science)	2015	Constitution of India (PGCS231GET)	2020
M.Tech (Computer Science)	2015	Pedagogy Studies (PGCS232GET)	2020

M.Tech (Computer Science)	2015	Stress Management by Yoga (PGCS233GET)	2020
M.Tech (Computer Science)	2015	Personality Development through Life Enlightenment Skills (PGCS234GET)	2020
M.Tech (Computer Science)	2015	Intelligent Systems (MTCS121PET)	2020
M.Tech (Computer Science)	2015	Augmented & Virtual Reality (MTCS122PET)	2020
M.Tech (Computer Science)	2015	Soft Computing (MTCS123PET)	2020
M.Tech (Computer Science)	2015	Digital Forensics (MTCS124PET)	2020
MCA	2011	Statistical Analysis (MMCA111FCT)	2020
MCA	2011	Data Science (MMCA311PCT)	2020
MCA	2011	Blockchain Technology (MMCA313PCT)	2020
MCA	2011	Machine Learning (MMCA314PCT)	2020
MCA	2011	Digital Forensics (MMCA211PET)	2020
MCA	2011	Digital Marketing (MMCA316PET)	2020
MCA	2011	Internet of Things (MMCA317PET)	2020
MCA	2011	Pattern Recognition (MMCA319PET)	2020
MCA	2011	Artificial Neural Network (MMCA322PET)	2020
MCA	2011	Semantics Web (MMCA323PET)	2020
MCA	2011	PHP Programming (MMCA324PET)	2020
MCA	2011	Deep Learning (MMCA326PET)	2020
MCA	2011	Web Mining (MMCA327PET)	2020
MCA	2011	Natural Language Processing (MMCA328PET)	2020
Bridge Courses for MCA	2020	Discrete Mathematics (MMBC101PCT)	2020

Bridge Courses for MCA	2020	Information & Communication Technology (MMBC102PCT)	2020
Bridge Courses for MCA	2020	Introduction to Computer System & Hardware (MMBC103PCT)	2020
Bridge Courses for MCA	2020	Problem Solving using 'C' Language Lab (MMBC160PCP)	2020

14) Value-added courses imparting transferable and life skills offered during 2020-2021:

Name of the Value-added course	Date of Introduction	Number of Students enrolled
English for Research Paper Writing (PGCS131GET)	2020	19
Disaster Management (PGCS132GET)	2020	0
Sanskrit for Technical Knowledge (PGCS133GET)	2020	0
Value Education (PGCS134GET)	2020	0
Constitution of India (PGCS231GET)	2020	0
Pedagogy Studies (PGCS232GET)	2020	19
Stress Management by Yoga (PGCS233GET)	2020	0
Personality Development through Life Enlightenment Skills (PGCS234GET)	2020	0

15) Field Projects / Internships undertaken during the year 2020-2021:

Project/Programme Title	No. of students enrolled for Field Projects / Internships
B.Tech Computer science	6
MCA	4

16) Feedback System (Please provide the documentary evidence of the feedback): NA

(Please provide a note on analysis and utilization of the feedback obtained for the overall development of the Department/College).

Number of Students participated	Number of Teachers participated	Number of Employers participated	Number of Alumni participated	Number of Parents participated
145	University Level Information	University Level Information	University Level Information	University Level Information

17) Number of full time teachers appointed in the Department during 2020-2021:

Number of sanctioned positions	Number of filled positions	Vacant positions	Positions filled during the current year	Number of faculty with PhD
18	16	02	0	06

18) Student - Full time Teacher ratio during 2020-2021:

Number of Students enrolled in the Department (UG)	Number of Students enrolled in the Department (PG)	Number of full time Teachers available in the Department teaching only UG courses	Number of full time Teachers available in the Department teaching only PG courses	Number of Teachers teaching both UG and PG courses
67	50	12	4	16

19) Give details of the mentoring system in the Department?

Programme	Name of the Student	Name of the Teacher-Mentor
B.Tech	SHAGUFTA PARWEEN	Prof. Abdul Wahid
B.Tech	MOHD ANAS	
B.Tech	ALI ABU BAKR	
M.Tech	NAHID PARWEEN	
MCA	MOHAMMAD KASIM	
MCA	MD IRFAN ANSARI	
B.Tech	GULZEHRA GULZEHRA	Dr. Pradeep Kumar
B.Tech	ZAMIMA BATOOL	
B.Tech	MOHAMMAD AHMAD	
B.Tech	MOHAMMAD HARIS	
M.Tech	MD IMRAN	
MCA	JAMSHED ALAM	
MCA	MD AQUILUR RAHMAN	Dr. Syed Imtiyaz Hassan
B.Tech	NIYAZ ALI	
B.Tech	SADAF SHAHEEN	
B.Tech	KISHWAR AFSANA	
B.Tech	TAUSIF AHMAD	
M.Tech	MD DILSHAD HASSAN	
MCA	GULAM SARWAR	Mrs. Tunga Arundhathi
MCA	MOHAMMAD SUBHAN	
B.Tech	NAHEED FATIMA	
B.Tech	MD GULAB	
B.Tech	AHZAM ISHTIYAQ	
B.Tech	MD FARHAN NOORI	
M.Tech	AJAZ AHMED	Dr. Khaleel Ahmed
MCA	SALIM ANSARI	
MCA	MD ATHER NASEEM	
B.Tech	SAQUIBA WASI	
B.Tech	MD TAUQUEER REHAN	
B.Tech	MD ASIF	
B.Tech	FAIZAN EQUBAL	Ms. Khaleda Afroaz
M.Tech	MOHAMMAD MINSAR	
MCA	ARIF ASADULLAH	
MCA	FALAK TUBA	
B.Tech	MOHD SHAHID	
B.Tech	AKRAM ANSARI	
B.Tech	ABDUR RAHMAN	Ms. Afrah Fathima
M.Tech	MAHMOODA KHATOON	
M.Tech	AFEEFA RAFEEQUE	
MCA	SALTANAT NAZNI	
MCA	MOHAMMAD KAZIM	
B.Tech	NADRA PARWEEN	
B.Tech	MOHD SHAHBAN	Mr. Ahmed Talha Siddiqui
B.Tech	KHALDA NASREEN	
M.Tech	NADIYA ZAFAR	
M.Tech	SAIMA AFREEN	
MCA	ZOYA TABASSUM	
MCA	MOHAMMAD ASIF	
B.Tech	MD AMANULLAH	Mr. Ahmed Talha Siddiqui
B.Tech	MD AFROZ ALAM	

B.Tech	MOHD SAQIB	
B.Tech	MD SARWAR AHMAD	
M.Tech	MD ZIAUL HAQUE	
M.Tech	MD ZEYEUR RAHMAN	
MCA	FAIZA AFTAB	
MCA	MOHD SHAZWAN ALI	
B.Tech	AFREEN AFZAL	Mr. Mohd Omar
B.Tech	MD YASAR ARFAT	
B.Tech	NAZRIN TAIBIE	
M.Tech	HAROON RASHID	
M.Tech	MOHD SAQIB	
MCA	MD HAYATUL	
MCA	ASHHAR ABEDIN	Mr. Mohd Rafeeq
B.Tech	ISTIYAK AHMAD	
B.Tech	MD SHAKIR HUSSAIN	
B.Tech	SHIFA RAZA	
B.Tech	AKIF JAWAID	
M.Tech	FAROZA SHAMSHEEM	
MCA	ABDUL FAIZAN	Dr. Muqem Ahmed
MCA	MOHAMMAD ASHFAQ	
B.Tech	MARYAM IQBAL	
B.Tech	MD AQUIB EZAZ	
B.Tech	MD RASHEDIN	
B.Tech	KAREEM UNNISA	
M.Tech	SHADAB ANWAR ANSAR	Mr. Mohammad Islam
MCA	SUYAB KHAN	
MCA	MD RASHID	
B.Tech	RASHAD JAMAL ANSARI	
B.Tech	TAUQEER SAYEED	
B.Tech	SHAHAB MUSHARRAF	
B.Tech	FARHEEN FATIMA	Mr. Jameel Ahamed
M.Tech	MOHD ADIL FAZAL MUBEEN	
MCA	MUKHTAR UL ISLAM	
MCA	MD ABID RAZA	
B.Tech	SABREEN KOUSHAR	
B.Tech	MEHER AFRIN	
B.Tech	JULEE PERWEEN	Ms. Geeta Pattun
B.Tech	MAEINUDDIN MAEINUDDIN	
M.Tech	MD TANWEER ALAM	
MCA	MD SAIF ALI	
MCA	KASHIF BAIG	
B.Tech	SAQUIB ALAM	
B.Tech	MOHAMMAD ASAD	Mr. Mohatesham Pasha quadri
B.Tech	INAYAT RASOOL	
B.Tech	TAUSIF ALAM	
M.Tech	IRSHAD ALI	
MCA	SARFARAZ AHMAD	
MCA	MD FAIZAN HAIDER	
MCA	FARHA NAZ	
B.Tech	MOHAMMAD ZAID	
B.Tech	MOHAMMAD SHAREEF	

B.Tech	ADEELA SHAHID	
B.Tech	RAUSHAN IMAM ANSARI	
M.Tech	MOHD SULTAN	
MCA	ASHADULLAH HANEEF	
MCA	FAIYAZ AHMAD	

20) Percentage of teachers using ICT in the Department for effective teaching with Learning Management Systems (LMS), E-learning resources etc.

Number of Teachers on roll in the Department	Number of Teachers using ICT (LMS, e-Resources)	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
16+9 (Contractual Faculty)	16+9 (Contractual Faculty)	Google Classroom, Google Meet, Zoom, Microsoft Team, Moodle, Turnitin	06	02	NDLI, NPTEL, SWAYAM, MOOCs, JGate Plus, Springer, Taylor & Francis, Wiley Blackwell, Jstor, Notnul, South Asian Archive, i-Scholar, Cambridge University Press, Oxford University Press, Sage, Elsevier, Turnitin, World Library, Economic & Political Weekly, The Institute for Studies in Industrial Development.

21) Plan of action chalked out by the Department in the beginning of the academic year towards research enhancement and the outcome achieved by the end of the academic year:

Plan of Action for Research Enhancement	Achievements/Outcomes
To improve the research quality in the department	Publication of research papers in high-impact factor journals and communication of research papers to various other high impact factor journals

22) Research funds sanctioned and received from various agencies, industry and other organisations by the Department/College:

Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the year
Major projects			NA	
Minor Projects			NA	
Interdisciplinary Projects			NA	
Industry sponsored Projects			NA	
Projects sponsored by the University			NA	
Students Research Projects (other than compulsory by the University)			NA	
International Projects			NA	
Any other(Specify)			NA	
Total			NA	

23) Funds / Grants received from alumni, management, non-government bodies, individuals, philanthropies during 2020-2021(not covered above) by the Department/College:

Name of the alumnus/alumna, non-government funding agency/ individual etc.	Funds/ Grants received in Rs.	Purpose
NA	NA	NA

24) Revenue generated by the Department/College from Consultancy during 2020-2021:

Name of the Consultant(s) Department	Name of Consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Nil	Nil	Nil	Nil

25) Revenue generated from Corporate Training by the Department/College during 2020-2021:

Name of the Consultant(s) & Department	Title of the Programme	Agency seeking training	Revenue generated (amount in rupees)	Number of trainees
Nil	Nil	Nil	Nil	Nil

26) Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during 2020-2021:

Title of Workshop/Seminar	Name of the Department	Date(s)
Nil	Nil	Nil

27) Awards for Innovation won by Department/Teachers during 2020-2021:

Title of the Innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
Nil	Nil	Nil	Nil	Nil

28) Incubation centre created on campus by the Department/College during 2020-2021:

Incubation Centre	Name	Sponsored by
Nil	Nil	Nil

29) Start-ups incubated on campus by the Department/College during 2020-2021:

Name of the Start-up	Nature of the Start-up	Date of commencement
Nil	Nil	Nil

30) Number of Collaborative activities for research, faculty exchange, student exchange during 2020-2021:

Nature of Activity	Participant	Source of financial support	Duration
MoU	UPNM and MANUU Student and Faculty Research	Self	5 Years

31) Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during 2020-2021:

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	Number of participants
Nil	Nil	Nil	Nil	Nil

32) MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during 2020-2021:

Organisation	Date of MoU signed	Purpose and Activities	Number of students/teachers participated under MoUs

33) Extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during 2020-2021:

Title of the Activities	Organising unit/ agency/ collaborating agency	Name of the teachers coordinated in such activities	Names of the students participated in such activities
University Level Information	University Level Information	University Level Information	University Level Information

34) Awards and recognition received for extension activities from Government and other recognized bodies during 2020-2021:

Name of the Activity	Award/recognition	Awarding bodies	No. of Students benefited
NA	NA	NA	NA

35) Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender issue, etc. during the year 2020-2021:

Name of the scheme	Organising unit/ agency/ collaborating agency	Name of the activity	Names of the Teachers coordinated in such activities	Names of the Students participated in such activities
Azadi ka Amruth Mahotsav	AICTE	Webinar	Mrs. Tunga Arundhathi Mrs. Khaleda Afroaz	Telecasted on Youtube
Toycathon 2021	AICTE	Innovative Idea	Mrs. Tunga Arundhathi Mrs. Khaleda Afroaz Mr. Jameel Ahamed Mr. Mohatesham Pasha Quadri	<ol style="list-style-type: none"> 1. Mustafa Kamal 2. Mohd Nasir 3. MD Abdur Rahman 4. Mustajab Khan 5. Mohd Ghazi raza 6. Mohd Rizwan 7. Abdul Malik 8. Mohammad Faisal 9. Imran Khan 10. Munazir 11. Syed Muzakkir Sabri 12. Yazdan Rizwan 13. MD Ehtesham 14. Mohammad Anas 15. Dilwar Alam 16. Abdul Quadir 17. MD Ahsan Ashfaque 18. Shaheen Quamar 19. MD Asif
Nethaji Subhash Chandra Bose Birthday	AICTE	Online Essay Competition Poetry Recitation Virtual Posters	Mrs. Afrah Fathima	<ol style="list-style-type: none"> 1. Ayesha Sami

36) Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counseling and Mentoring etc.

Name of the capability enhancement scheme	Date of implementation	Number of Students enrolled	Agencies involved
University level	University level	University level	University level

37) Students benefited by guidance for competitive examinations and career counseling offered by the Department during the year 2020-2021:

Name of the scheme	Number of benefited Students by Guidance for Competitive examination	Number of benefited Students by Career Counseling activities	Number of Students who have passed in the competitive exam	Number of Students placed
NA	NA	NA	NA	NA

38) Departmental mechanism for transparency, timely redressal of student grievances, prevention of sexual harassment and ragging cases during 2020-2021:

Total grievances received	Number of grievances redressed	Average number of days for grievance redressal
University Level Information	University Level Information	University Level Information

39) Number of professional development / administrative training programmes organized by the Department/College for teaching and non-teaching staff during 2020-2021:

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	Dates (from-to)	Number of participants (Teaching staff)	Number of participants (Non-teaching staff)
University Level Information	University Level Information	University Level Information	University Level Information	University Level Information	University Level Information

40) Number of gender equity promotion programmes organized by the Department/College during 2020-2021:

Title of the programme	Period (from-to)	Participants	
		Female	Male
University Level Information	University Level Information	University Level Information	University Level Information

41) Details of augmentation in infrastructure facilities during 2020-2021 in the Department/College

Facilities	Existing	Newly added
Classrooms	07	08
Laboratories	07	15
Seminar Halls		01
Classrooms with LCD facilities		02
Classrooms with Wi-Fi/ LAN		
Seminar halls with ICT facilities		01
Video Centre		
No. of important equipment purchased during the current year.		<ol style="list-style-type: none"> 1. LCD Panel - 03 2. Zero-Client System-30 3. Color Printer - 02 4. Library-Barcode Printer - 01 5. Library-Barcode Scanner - 01 6. Zero-Client Server - 01 7. Projector Screen - 02 8. Public Place 3 Seater chair- 05 9. Headphone with Mic - 18 10. Webcams - 30 11. AC's - 08 12. Smart Podium - 01 13. Chair (Seminar Hall) - 100 14. Faculty Table - 09 15. Faculty Chair - 09 16. Library-Reading Table - 20 17. Library-BookShelf - 20 18. Library-Glass Door Almirah - 10 19. Circular Table & Display Rack(2)- 20. Table Top Book Scanner -02 21. Library-Small Plain Table -02 22. Library-Computer Table - 30 23. Interactive Board - 01 24. Library-Computer Chairs - 30 25. Library-Steel Almirah plan - 05 26. BookShelf - 18 27. Scanner with Window - 02 28. Pen Drives -18 29. LCD Electromagnetic InteractivePanel-02 30. UPS -02 31. Webcam -02 32. Portable HDD -02 33. Computer System - 01
Value of the equipment purchased during the year (Rs. in Lakhs)		Rs. 30,26,064.31 /- (Approx.)
Others:		

42) Technology up-gradation in the Department/College during 2020-2021:

Number of Computers in the Lab (Existing)	Number of Computers with in the Lab (Added during 2020-21)	Number of Computers in the Office (Existing)	Number of Computers in the Office (Added during 2020-21)	Number of Computers with faculty (Existing)	Number of Computers with faculty (Added during 2020-21)
97	0	01	0	19	0

43) Enlist most important initiatives taken to address locational advantages and disadvantages by the Department/College during 2020-2021:

Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff
University Level Information	University Level Information	University Level Information	University Level Information	University Level Information	University Level Information

44) Activities conducted during 2020-2021 by the Department/College for promotion of Universal Values and Ethics

Activity	Duration (from-----to-----)	Number of participants
Student Induction Program(UHV)	23-11-2020 to 28-11-2020	117

45) Welfare schemes initiated by the Department/College

Students (Number of Beneficiaries)	Name of the Scheme	Amount in Rupees
Teachers (Number of Beneficiaries)	NA	NA
Staff (Number of Beneficiaries)	NA	NA

46) Activities and support from the Parent – Teacher Association: NA

47) Activities and support from Alumni: NA

48) Describe at least two best practices of the Department/College initiated during 2020-2021:

1. CURRICULUM RESTRUCTURING FOR ENHANCED CAREER OPPORTUNITIES

The context: the Department of Computer Science and Information Technology is the most buzzing department of the organization which is always looking for improvement in various curricular and extracurricular activities. It has produced good quality graduates, post graduates and research scholars who have proved themselves in this competitive world.

The Objectives:

- To promote academic excellence
- To provide diverse career opportunities
- To create socially responsible citizens
- To make the students industry ready

The practice: The department maintains an active interface with the industry, specifically with the alumni who have been placed in various companies and organizations to discuss the problems faced by them during the shift from academia to industry and makes the necessary changes to the curriculum through the continual discussions during the board of studies meetings. The entire team of faculty members is always vigilant to point out the restructuring of the syllabus of various competitive examinations, so that those changes may be incorporated in the syllabus and those can ultimately help the students to qualify in those examinations.

Obstacles faced / Problems encountered: The faculty felt overloaded with the work involved and. Creating enough financial support for enhancing the facilities was another roadblock Updating the department library to include books of the changing syllabus takes time

Evidence of Success: there is an increase in the number of students getting placed every year and , particularly this year there is an increase in the number of students that apply and qualify for the competitive examinations such as GATE, UGC-NET, State exams, STET etc.

Resources required: frequent teacher training programs on new subjects, financial resources to buy books and software that can be used,

2. INITIATION TO FRESHER (INFORMATION LITERACY PROGRAM)

Goal of the practice: To acquaint the new students to the library and the resources available in it, an orientation program is conducted for them.

The process: The details of the OPAC, library management system and the KOHA are discussed with the students. facilitate the learning process in the current scenario, most of the books and journals are available in the digital formats. The schedules are drawn based on the subject/discipline to go into the details in 90 minutes duration. The departmental library is being enriched every year with requests from students that can be made through teachers, faculty and research scholars.

Impact of the process: since most of the books and journals are available in the digital format, they can be accessed in any part of the country. Students find it useful to access these books specially in the current scenario of no physical interaction,

Resources required: Trained library staff to handle classes. Guides, brochures, rules and regulations of the library for distribution, financial resources to upgrade the library often.

49) Plan of action of the Department/College/Centre/Directorate for the next academic year

The Department of Computer Science & Information Technology at Maulana Azad National Urdu University. Department of CS & IT, MANUU is one of the premier institutions of research and technology in computer science. The department is very keen on encouraging students, scholars and faculty for quality research and in this regard the scholars are advised to submit research papers to high impact journals indexed in the Science Citation Index Expanded (SCIE). The department plans to motivate fast learners to prepare and appear for various competitive examinations. The training and placement cell is organizing activities for students ranging from hackathon to competitive programming, and will continue to that, so that students can represent the department at national and international events. Several interested students will be motivated to join internships at various organizations. The department is planning to conduct an international conference by the end of the next academic year. The department also has plans for collaboration with other organizations and universities to promote collaborative research.

50) Details of the Scholars who were declared eligible to be awarded MPhil/PhD degrees during 1st April 2020 to 30th June 2021: (PhD)

Name of the Scholar	Title of the dissertation/thesis	Supervisor's name and designation	Date of the result declaration
ZIEMA MUSHTAQ	Cost estimation of Mobile Application Development	Prof Abdul Wahid Dean, School of Technology	15-04-2020
Abdul Manan Koli	The Prediction of Election Outcomes Through Data Mining Techniques	Dr. Muqem Ahmed, Assistant Professor	18-03-2021

51) Students qualifying in state/ national/ international level examinations during 2020-2021 (e.g. NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services):

Item	Name of the Student selected/ qualifying	Registration number/roll number for the examination
GATE	Haseeb Khan	CS21S61407682
	Mohd. Ghazi Raza	CS21S5003051
	Kamran Ashraf	CS21S1404521
State Govt.	Mohammad Minsar	7112211
	MD ASHIF RAJA	4306349
	Mahenoor soni	7111419
	Mustafiz Sharique	9301073
	NAIYAR IQBAL	4108805
	Md Ejaz Hussain	1122216
	Zainab Fatema	3110380
	Zohra khatoon	5309166
	RAHMAT ALAM	3204015
	Nabgha Fatma	5107305
	Saifullah Rahmani	8103862
Any Other		

52) Vertical Mobility of Students from UG to PG, and from PG to MPhil/PhD:

Name of the Student	UG>PG	PG>MPhil/PhD	Name of the Institution/University in which the Student was admitted
DILSHAD HASAN	B.Tech to M.Tech		MANUU Hyderabad
MOHD SULTAN	B.Tech to M.Tech		MANUU Hyderabad
IRSHAD ALI	B.Tech to M.Tech		MANUU Hyderabad
AJAZ AHMAD	B.Tech to M.Tech		MANUU Hyderabad
MD DILSHAD HASSAN	B.Tech to M.Tech		MANUU Hyderabad
NAHID PARWEEN	B.Tech to M.Tech		MANUU Hyderabad
MD ASHIQUE AZIZ	B.Tech to M.Tech		Pondicherry University
HAROON RASHEED	B.Tech to M.Tech		MANUU Hyderabad
AMEER AZAM	B.Tech to M.Tech		University of Hyderabad
MOHAMMAD HESHAM ASHRAF	B.Tech to MBA		MANUU Hyderabad
KHURSEED ALAM	B.Tech to MBA		MANUU Hyderabad
NIHAL AHEMAD	B.Tech to MBA		MANUU Hyderabad
SOBIYA ARSHEEN		M.Tech to Ph.D	MANUU Hyderabad
MOHAMMAD SAIFUDDIN	B.Tech to M.Tech		Jamia Millia Islamia, New Delhi
MOHAMMAD ZIYA ABBAS	B.Tech to M.Tech		Jamia Millia Islamia, New Delhi
MOHAMMAD OMAIR	B.Tech to M.Tech		Aligarh Muslim University, Aligarh

53) Details of the Placements of Students during 1st April 2020 to 30th June 2021

(Please note that No evidence of joining, for example, photocopy of the ID card of the company etc.)

Name of the Scholar/Student	Programme pursued in MANUU	Name of the Institution/Company joined	Date of Placement	Placement through Campus or Off- Campus mode
Yawar Jawaid	B.Tech CS	Project Engineer, Wipro Limited	Jan 27, 2021	Off- Campus mode
Jamshed Akhter	B.Tech CS	Assistant System Engineer, Tata Consultancy Services Limited	April 27, 2021	Off- Campus mode
Ahmad Husain	B.Tech CS	Deloitte Hyderabad	April 5, 2021	Off- Campus mode
Athar Parvez	B.Tech CS	Assistant System Engineer-Trainee ,Tata Consultancy Services Limited (TCSL)	March 27, 2021	Off- Campus mode
Khurshid Alam	B.Tech CS	Innoye Technologies Pvt. Ltd.		Off- Campus mode
Mohammad Furqan	B.Tech CS	Mindtree, a Larsen & Turbo Group Company, Hyderabad	April 16, 2021	Off- Campus mode
Sharim Ejaz	B.Tech CS	Assistant System Engineer, Tata Consultancy Services Limited	April 13, 2020	Off- Campus mode
Amir Suhail	B.Tech CS	Web Developer-Trainee, Clayfin Technologies, Chennai	Jan 8,2021	Off- Campus mode
Siddique Mohd Shakeeb	B.Tech CS	NetCracker an NEC Company, Hyderabad	March 15,2021	Off- Campus mode
Mohd Israr	B.Tech CS	Robert Bosch Engineering and Business Solutions Private Limited	July 6, 2021	Off- Campus mode
Faizane Rasool	B.Tech CS	Web Developer-Trainee, Clayfin Technologies, Chennai	Jan 8, 2021	Off- Campus mode
Kamran Siddiqui	M.Tech CS	Bank of Baroda Gachibowli, Hyderabad	Feb 5, 2021	Off- Campus mode
Shahana Alam	B.Tech CS	Neudesic, Hyderabad	April 5, 2021	Off- Campus mode
Asad Naqvi	B.Tech CS	Wipro	May27, 2021	Off- Campus mode
Zeeshan Siddiqui	B.Tech CS	Wipro	June 15, 2021	Off- Campus mode

Mohd Adil	B.Tech CS	TCS Hyderabad	Jan 1, 2021	Off- Campus mode
Mohammad Wakeel	B.Tech CS	Infosys, Hyderabad	July 8, 2021	Off- Campus mode
Mohd Tayyab	MCA	GIIT SOLUTIONS	July 2, 2021	Off- Campus mode
Rizwan Ahmad	MCA	Web Sultanate Software Technologies	July 27, 2020	Off- Campus mode

54) Details of Awards for Innovation won by Students/Scholars during 2020-2021:

Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
NA	NA	NA	NA	NA

55) Details of Research Publication of the Scholars/Students during the last Academic year based on average citation index in UGC-CARE list/ Scopus/ Web of Science or PubMed/ Indian Citation Index

Name of the Scholar	Title of the paper	Name of the journal, with volume / issue no	Publication date & name of the publisher	Citation Index	Institutional affiliation as mentioned in the publication	Number of Citations excluding self citations
Fareeha Rasheed	Learning Style Detection in E-learning Systems Using Machine Learning Techniques	Expert Systems with Applications, Vol (174)	22 February 2021, Elsevier	SCIE	MANUU	0
Jeelani Ahmed	A Framework for Sentiment Analysis of Online News Articles	International Journal on Emerging Technologies, 11(3)	30/5/2020, Research Trend	Scopus	MANUU	0
Jeelani Ahmed	ONLINE NEWS CLASSIFICATION USING MACHINE LEARNING TECHNIQUES	IIUM Engineering Journal, 22(2)	International Islamic University Malaysia, Jalan Gombak, 53100 Kuala Lumpur, Malaysia	Web of Science & Scopus	MANUU	0
Syed Abdul Basit Andrabi	A Review of Machine Translation for South Asian Low Resource Languages	Turkish Journal of Computer and Mathematics Education vol 12 No.5	5 April 2021 Karadeniz Technical University	Scopus	MANUU	0

56) h-Index of the Research Scholars Publications during the year (based on Scopus/ Web of Science)

Name of the Scholar	Title of the paper	Name of the journal, with volume / issue no	Publication date & name of the publisher	h-index	Institutional affiliation as mentioned in the publication	Number of Citations excluding self citations

57) Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings by the scholars/students during 2020-2021:

Name of the Scholar	Title of the book/edited book	Title of the chapter	Title of the paper published in Conference Proceeding	Title and details of the translated work
Naiyar Iqbal	Lecture Notes in Electrical Engineering book series	A Framework for the RNA-Seq Based Classification and Prediction of Disease	Proceedings of the 1st International Conference on Data Science, Machine Learning and Applications	
Jeelani Ahmed	Lecture Notes in Electrical Engineering book series	Ontological Based Approach of Integrating Big Data: Issues and Prospects	International Conference on Data Science, Machine learning & Applications (ICDSMLA 2019)	
Syed Abdul Basit Andrabi	Inventive Systems and Control	A Comprehensive Study of Machine Translation Tools and Evaluation Metrics	A Comprehensive Study of Machine Translation Tools and Evaluation Metrics (ICISC 2021)	
P SALMA KHATOON	Advances in Intelligent Systems and Computing, vol 1245. Springer, Singapore.	Semantic Interoperability for IoT Agriculture Framework with Heterogeneous Devices	Proceedings of International Conference on Recent Trends in Machine Learning, IoT, Smart Cities and Applications. Advances in Intelligent Systems and Computing, vol 1245. Springer, Singapore. https://doi.org/10.1007/978-981-15-7234-0_34 .	
P SALMA KHATOON	IEEE Xplore Digital Library (Database not a Book)	A Crop Selection Framework using K Nearest Neighbour for IoT Semantic Interoperability Applications	8th International Conference on Computing for Sustainable Global Development (INDIACom), 2021, pp. 262-267	
Sobiya Arsheen	IEEE	Flying Ad hoc Network Expedited by DTN Scenario: Reliable and Cost-effective MAC Protocols Perspective	International Conference on Application of Information and Communication Technologies (AICT), https://doi.org/10.1109/AICT50176.2020.9368575	

58) Details of Participation of the Scholars/Students in Conferences, Seminars, Workshops etc. During 2020-2021:

Name of the Scholar/ Student	Program me pursuing	Name of the Conference/ Seminar/ Workshop	Date & Place	Participated as paper presenter/poster presenter/participant/other	Title of the Presentation
Mohammad Islam	PhD (CS)	One Week Online Faculty Development Programme on Research Trends in AI and ML	25 th to 30 th January, 2021, Sreyas Institute of Engineering & Technology, Hyderabad	Participation	NA
Mohammad Islam	PhD (CS)	One Weeks Online Short - Term Training Programme on Research Methodology: Tools & Techniques	1st to 5 th February, 2021 at Sardar Vallabhai National Institute of Technology, Gujarat.	Participation	NA
Geeta Pattun	PhD (CS)	One Week Online Faculty Development Programme on Research Trends in AI and ML	25 th to 30 th January, 2021, Sreyas Institute of Engineering & Technology, Hyderabad	Participation	NA
Geeta Pattun	PhD (CS)	One Weeks Online Short - Term Training Programme on Research Methodology: Tools & Techniques	1st to 5 th February, 2021 at Sardar Vallabhai National Institute of Technology, Gujarat.	Participation	NA
Geeta Pattun	PhD (CS)	Deeksharambh - Student Induction Program 2020	9th to 17th November 2020. organised by the Office of Dean, Students Welfare	Participation	NA
Zohra Khatoon	M.Tech. (CS)	Two-Day National Conference on Computational Methods, Data Science and Applications (NC-CMDSA 2021)	24-25 th May 2021 Department of Computer Science and Information Technology, School of Technology, MANUU (Virtual Mode)	Paper Presenter	An Empirical Illustration on Student Stress: An Outlook

Naiyar Iqbal	PhD (CS)	Two-Day National Conference on Computational Methods, Data Science and Applications (NC-CMDSA 2021)	24-25 th May 2021 Department of Computer Science and Information Technology, School of Technology, MANUU (Virtual Mode)	Paper Presenter	I-NFG: An integrated neuro fuzzy genetic based soft computing technique for feature selection and disease prediction using gene expression
Fareeha Rasheed	Faculty	Two-Day National Conference on Computational Methods, Data Science and Applications (NC-CMDSA 2021)	24-25 th May 2021 Department of Computer Science and Information Technology, School of Technology, MANUU (Virtual Mode)	Paper Presenter	ChronHate- Chronological ordering of hate speeches: An Indian Context
Jeelani Ahmed	PhD (CS)	Five Day Online Workshop on Research Methodology and ICT	11 - 20 April, Hyderabad	Participant	
Jeelani Ahmed	PhD (CS)	One Week Online Workshop on Action Research	7th - 11th December, Hyderabad	Participant	
Jeelani Ahmed	PhD (CS)	AICTE Training and Learning (ATAL) Academy	26-10-2020, Online FDP	Participant	
Jeelani Ahmed	PhD (CS)	AICTE-Sponsored Faculty Development Programme	16-26 November, Hyderabad	Participant	
Jeelani Ahmed	PhD (CS)	2020 IEEE International Conference on Technology, Engineering, Management for Societal impact using marketing, entrepreneurship and talent (TEMSMET)	10 December, Bengaluru	Paper Presenter	A study of big data and classification of NoSQL Databases

Sobiya Arsheen	PhD (CS)	Research Methodology: tools and techniques II, FDP on Blockchain Technology	March 2021, February 2021	Paper Presenter	Flying Ad hoc Network Expedited by DTN Scenario: Reliable and Cost-effective MAC Protocols Perspective, Blockchain in E- Governance
MOHD ARSHAD	PhD (CS)	Research Methodologies and Statistical Data Analysis	16th Nov - 28th Nov 2021	participant	
MOHD ARSHAD	PhD (CS)	FDP On Electrical & Computer Engineering	4th Jan - 8th Jan 2021	Participant	
MOHD ARSHAD	PhD (CS)	FDP On Role Of Faculty In Modeling Students	24th - 26th May 2021	participant	
MOHD ARSHAD	PhD (CS)	Five Day Online Workshop On Research Methodology And ICT	11th - 20th April 2021	participant	
MOHD ARSHAD	PhD (CS)	National Conference on Computational Methods, Data Science and Applications	24th - 25th May 2021	Paper Presenter	A Critical Review Detection and Tracking of Two Wheeler's Traffic Rules Violations
Syed Abdul Basit Andrabi	PhD (CS)	International conference on Inventive Systems and Control (ICIS 2021)	7-8 January 2021 , at JCT College of Engineering Coimbatore India	Paper Presenter	A Comprehensive Study of Machine Translation Tools and Evaluation Metrics

P SALMA KHATOON	PhD (CS)	One Week Online Workshop on Action Research jointly organised by the Office of Dean, Research and Consultancy and Centre for Professional Development of Urdu Medium Teachers (CPDUMT), Maulana Azad National Urdu University, Hyderabad	From 7th to 11th December 2020, Online mode.	participant	
P SALMA KHATOON	PhD (CS)	Two week online Faculty Development Programme on "Emerging Technologies for Education and Research in CS and IT" conducted by BVICAM, New Delhi.	From 13th July to 25th July 2020	Participant	
P SALMA KHATOON	PhD (CS)	Live webinar on "Artificial Intelligence for Science and Engineering Applications in MATLAB" organized by the Department of Computer Applications, B.S.Abdur Rahman Crescent Institute of Science and Technology	29.05.2020, Online Mode	Participant	
P SALMA KHATOON	PhD (CS)	Five days Faculty Development Programme on "Machine Learning and Its Applications using Python" organized by Ajay kumar Garg Engineering-MCA	From June 29 to July 3, 2020., Online mode	Participant	

Fareeha Rasheed	PhD(CS)	Five days Faculty Development Programme on "Machine Learning and Its Applications using Python" organized by Ajay kumar Garg Engineering-MCA	From June 29 to July 3, 2020., Online mode	Participant	
P SALMA KHATOON	PhD (CS)	Five Day Online Workshop on "Research Methodology and ICT" organised by the Centre for Professional Development of Urdu Medium Teachers (CPDUMT) and Office of the Dean Research and Consultancy, Maulana Azad National Urdu University, Hyderabad	From 11th to 20th April 2021, Online mode	Participant	
P SALMA KHATOON	PhD (CS)	INDIACom-2021 8th International Conference on "Computing for Sustainable Global Development", organized by BVICAM, New Delhi.	17th-19th March, 2021, Online mode	Presenter	A Crop Selection Framework using K Nearest Neighbour for IoT Semantic Interoperability Applications
P SALMA KHATOON	PhD (CS)	Two-Day National Conference on "Computational Methods, Data Science and Applications" organized by MANUU, Department of CS&IT, Hyderabad	24th-25th May 2021, Online Mode	Presenter	A Dynamic Ontology Framework Design to Provide Interoperability In Agriculture IoT
SHAIKH AFZAL VAZIR	PhD (CS)	Challenges and Applications on Cyber-Physical Systems	07th - 12th Dec-2020 , Online	NA	NA

SHAIKH AFZAL VAZIR	PhD (CS)	One Week Online FDP on Research Trends in AI and ML	25th - 30th January 2021 , Online	NA	NA
SHAIKH AFZAL VAZIR	PhD (CS)	Research Methology: Tools and Techniques - II	1th - 5th February 2021	NA	NA
SHAIKH AFZAL VAZIR	PhD (CS)	Advances in Artificial Intelligence and Machine Learning	19th - 21th March 2021, Online	NA	NA
SHAIKH AFZAL VAZIR	PhD (CS)	Five Day Online Workshop on Research Methodology and ICT	11th - 20th April 2021, online	NA	NA
SHAIKH AFZAL VAZIR	PhD (CS)	Trends and Challenges in Current Research	19th – 23rd April 2021, Online	NA	NA
SHAIKH AFZAL VAZIR	PhD (CS)	Five Day Online Workshop on Creative Thinking and Academic Writing	01th to 05th March 2021, Online	NA	NA
Fareeha Rasheed	PhD (CS)	Five Day Online Workshop on Creative Thinking and Academic Writing	01th to 05th March 2021, Online, MANUU	NA	NA
Fareeha Rasheed	PhD (CS)	One Week Online Faculty Development Programme on Emerging Trends in Information Technology	20th-25th July 2020 conducted by Department of Computer Science, IITM Janakpuri,	Participant	
Fareeha Rasheed	PhD (CS)	Seven days Faculty Development Programme on "Quality Assurance in Higher Education Institutions: Revised NAAC Framework"	9th June to 15th June 2020. organized by IQAC, School of Management Sciences, Varanasi	Participant	

SHAIKH AFZAL VAZIR	PhD (CS)	National Conference on Computational Methods, Data Science and Applications	24th 25th May, 2021 , Online	paper presenter	A Comparative Study of Indian Higher Education Institutes of National Importance Websites on the Challenges regarding Web Accessibility
Shaik Moinuddin Ahmed	PhD (CS)	Two-Day National Conference on Computational Methods, Data Science and Applications (NC- CMDSA 2021)	24-25th May 2021,Maulana Azad National Urdu University,Hyder abad	participant	
Shaik Moinuddin Ahmed	PhD (CS)	AICTE FDP on Machine Learning in Computer Vision & Video Processing	1st to 19th April 2021, PSCMRCE T,Vija yawada	participant	
Shaik Moinuddin Ahmed	PhD (CS)	Five Day Online Workshop on Research Methodology and ICT	11th to 20th April 2021,Maulana Azad National Urdu University,Hyder abad	participant	
Shaik Moinuddin Ahmed	PhD (CS)	STTP on Information Security- Current Trends and Future Perspectives	15-03-2021 to 19- 03- 2021,MANIT,Bh opal	participant	
Shaik Moinuddin Ahmed	PhD (CS)	FDP on Machine Learning and Image Processing Applications	15th-27th March 2021,PSCMRCE T,Vijayawada	Participant	
Shaik Moinuddin Ahmed	PhD (CS)	National Workshop on Data Science and Advanced Computing.	13th -14th March 2021 (Level-I) and 19th -21st March 2021 (Level-II),VIT- AP University.	Participant	
Shaik Moinuddin Ahmed	PhD (CS)	Five Day Online Workshop on Creative Thinking and Academic Writing	01 to 05 March 2021,Maulana Azad National Urdu University, Hyderabad	Participant	

Shaik Moinuddin Ahmed	PhD (CS)	AICTE Sponsored Two Week FDP(2-2) on "Nurturing Morals, Work Ethics & Accountability for Technical Teachers"	07th - 19th December, 2020, VRSEC, Vijayawada	Participant	
Shaik Moinuddin Ahmed	PhD (CS)	One Week Online Workshop on Action Research	7th to 11th December 2020, MANUU, Hyderabad	Participant	
Fareeha Rasheed	PhD (CS)	One Week Online Workshop on Action Research	7th to 11th December 2020, MANUU, Hyderabad	Participant	
Fareeha Rasheed	PhD (CS)	ATAL program on Data Sciences	11-5-2020 to 15-05-2020, NIT, Nagaland	Participant	
Fareeha Rasheed	PhD (CS)	ATAL program on Data Sciences	from 26-10-2020, Aligarh Muslim University	Participant	
Shaik Moinuddin Ahmed	PhD (CS)	One Week Short Term Training Program on Web Development with Python Django Framework	16th to 20th November 2020, Ramachandra College of Engineering, Eluru	Participant	
Shaik Moinuddin Ahmed	PhD (CS)	Academy Online FDP on "Stress-management"	2-11-2020 to 6-11-2020, MANUU, Hyderabad	Participant	
Shaik Moinuddin Ahmed	PhD (CS)	Disaster Risk Reduction in Resilient Infrastructure	30.09.2020 to 02.10.2020, Andhra University, Vishakapatnam	Participant	
Shaik Moinuddin Ahmed	PhD (CS)	Data Science & Its Applications In STEM	07th to 21st September, 2020, Andhra University, Vishakapatnam	Participant	
Shaik Moinuddin Ahmed	PhD (CS)	STTP on Advanced Deep Learning Techniques with Python	31 st August 2020 to 5th September 2020, Anurag Group of Institutions, Hyderabad	Participant	

Shaik Moinuddin Ahmed	PhD (CS)	Faculty Development Programme on Online Teaching-Learning And Research Methodology	July 18 - July 29, 2020, Govt. P. G. College, Bilaspur Rampur - Uttar Pradesh	participant	
Suheel Yousuf Wani	PhD (CS)	Two-Day National Conference on Computational Methods, Data Science and Applications (NC-CMDSA 2021)	24-25th May 2021, Virtual	Paper Presenter	Comparative Analysis of Various Machine Learning Algorithms for prediction of heart disease.
Suheel Yousuf Wani	PhD (CS)	Faculty Development Program on Machine Learning and its Applications using Python	29 June- 3 July, 2020, Virtual	Participant	NA
Suheel Yousuf Wani	PhD (CS)	National Urdu Science Congress-2020	25-26 Feb 2020, Hyderabad	Paper Presenter	Zaban-e-Urdu: An English to Urdu Translation and Summarization Tool
Naiyar Iqbal	PhD (CS)	One-week FDP/SDP Webinar Series on "PRACTICAL BIOINFORMATICS ON A WET-LAB SET-UP" organized by Sathyabama Institute of Science and Technology in association with Indian Association of Applied Microbiologist (IAAM) & Georgetown University, Washington DC, USA	11-16th May 2020	Participant	

Naiyar Iqbal	PhD (CS)	Three-day FDP Webinar Series on "Technologies for Healthcare" organized by Department of ECE, GMR Institute of Technology, Rajam, Andhra Pradesh	08-10th June 2020	Participant	
Naiyar Iqbal	PhD (CS)	Three day International Webinar Series on "COVID 19 Pandemic" organized by Institute of Bioinformatics, Bangalore, Karnataka	23 25th June 2020	Participant	
Naiyar Iqbal	PhD (CS)	Two-day FDP Webinar Series on "Applications of Mathematics in Engineering" organized by Department of Mathematics and Humanities, Mahatma Gandhi Institute of Technology, Hyderabad, Telangana	03-04th July 2020	Participant	
Naiyar Iqbal	PhD (CS)	Five day Workshop Webinar Series on "Computational Tools for Analysis of Biological Systems" jointly organized by Department of Biotechnology, Dr. B.R. Ambedkar National Institute of Technology, Jalandhar, Punjab	02 06th September 2020	Participant	

Naiyar Iqbal	PhD (CS)	Three day International Conference Webinar Series on "Data Science in Biology" jointly organized by Institute of Bioinformatics, Bangalore & Indian Institute of Technology, Jodhpur	03 05th September 2020	Participant	
Naiyar Iqbal	PhD (CS)	Two day Webinar Series on "National Education Policy 2020" organized by Centre for Professional Development of Urdu Medium Teachers, Maulana Azad National Urdu University, Hyderabad, Telangana	16 17th September 2020	Participant	
Naiyar Iqbal	PhD (CS)	Two day Webinar Series on "Bioinformatics: Concepts and Applications" organized by Department of Biochemistry, Institute of Home Economics, University of Delhi	18 19th September 2020	Participant	

Naiyar Iqbal	PhD (CS)	Five day FDP Webinar Series on "Computational Science and Biology" organized by Department of Basic and Applied Science, National Institute of Technology, Arunachal Pradesh sponsored by All India Council for Technical Education Training and Learning (AICTE ATAL) Academy India	05 09th October 2020	Participant	
Naiyar Iqbal	PhD (CS)	Five day FDP Webinar Series on "Data Science" organized by Department of Computer Science, Aligarh Muslim University (AMU), Uttar Pradesh sponsored by All India Council for Technical Education Training and Learning (AICTE ATAL) Academy India	26 31st October 2020	Participant	
Naiyar Iqbal	PhD (CS)	Three day Workshop and The 2nd TCGA Conference on "Towards Team Science for Multi omics Cancer Research in South Asia" jointly organized by Centre for Translational Cancer Research (Pune), Persistent Systems Ltd., and TCGA, NCI, NIH, USA	03-05th December 2020	Participant	

Naiyar Iqbal	PhD (CS)	One week Webinar Series on "Action Research" organized by Centre for Professional Development of Urdu Medium Teachers, Maulana Azad National Urdu University, Hyderabad, Telangana	07 11th December 2020	Participant	
Naiyar Iqbal	PhD (CS)	One week Webinar Series on "Bioinformatics" organized by Department of Biotechnology, Delhi Technological University (DTU), New Delhi	14-18th December 2020	Participant	
Naiyar Iqbal	PhD (CS)	One week FDP Webinar Series on "Computer Science and Biology" organized by Department of Computer Engineering, Sandip Institute of Technology and Research Centre, Nashik sponsored by All India Council for Technical Education Training and Learning (AICTE-ATAL) Academy India	10 14th January 2021	Participant	

Naiyar Iqbal	PhD (CS)	One week FDP Webinar Series on "Computer Science and Biology" organized by Department of Computer Science & Engineering, Malaviya National Institute of Technology, Jaipur sponsored by All India Council for Technical Education Training and Learning (AICTE-ATAL) Academy India	18 22nd January 2021	Participant	
Naiyar Iqbal	PhD (CS)	Five day Webinar Series on "Creative Thinking and Academic Writing" jointly organized by the office of Dean, Research and Consultancy & Centre for Professional Development of Urdu Medium Teachers, Maulana Azad National Urdu University, Hyderabad, Telangana	01-05th March 2021	Participant	

Naiyar Iqbal	PhD (CS)	Three day International Seminar on "Advances in Artificial Intelligence and Machine Learning" jointly organized by Department of Computer Science & Interdisciplinary Centre for Artificial Intelligence, Aligarh Muslim University (AMU) Uttar Pradesh	19 21st March 2021	Participant	
Naiyar Iqbal	PhD (CS)	Five day Webinar Series on "Research Methodology and ICT Tools" jointly organized by Centre for Professional Development of Urdu Medium Teachers & Dean, Research and Consultancy, Maulana Azad National Urdu University in collaboration with Telangana State Urdu Academy, Hyderabad, Telangana	11 20th April 2021	Participant	
Naiyar Iqbal	PhD (CS)	One-day webinar on "How Machine Learning is aiding in predicting the spread of COVID-19" organized by Wiley India	01st April 2020	Participant	

Naiyar Iqbal	PhD (CS)	One-day webinar on "IEEE Xplore - Delivering Research Better Than Ever" organized by IEEE Educational Society Chapter, Hyderabad Section, Telangana	04th April 2020	Participant	
Naiyar Iqbal	PhD (CS)	One-day webinar on "Research Proposal Writing" organized by IEEE Educational Society Chapter, Hyderabad Section, Telangana	14th April 2020	Participant	
Naiyar Iqbal	PhD (CS)	One-day webinar on "Fuzzy Interpolative Systems and Applications" organized by CSI & IEEE Educational Society Chapter, Hyderabad Section, Telangana	23rd April 2020	Participant	
Naiyar Iqbal	PhD (CS)	One-day webinar on "Publishing Process Cambridge University Press" organized by Cambridge University Press in association with Maulana Azad National Urdu University Library, Hyderabad, Telangana	29th April 2020	Participant	

Naiyar Iqbal	PhD (CS)	One-day webinar on "SARS CoV-2 Testing/Diagnosis: Nanomaterial-Based Biosensors using Physical Perspective" organized by Department of Applied Physics, University School of Vocational Studies and Applied Sciences, Gautam Buddha University, Greater Noida, Uttar Pradesh	3rd May 2020	Participant	
Naiyar Iqbal	PhD (CS)	One-day webinar on "Research Workflows, Research Metrics & Excellence in Academic Institutes" organized by AICTE & Elsevier	14th May 2020	Participant	
Naiyar Iqbal	PhD (CS)	One-day webinar on "Artificial Intelligence for Science and Engineering Applications in MATLAB" organized by B. S. Abdur Rahman Crescent Institute of Science and Technology, Chennai in association with MATLAB MathWorks Inc.	29th May 2020	Participant	
Naiyar Iqbal	PhD (CS)	One-day webinar on "Artificial Intelligence for COVID'19" organized by DMI College of Engineering, Chennai	30th May 2020	Participant	

Naiyar Iqbal	PhD (CS)	One-day webinar on "Current Perspectives of Microbial Diseases 2020" organized by Internal Quality Assurance Cell & Department of Microbiology, Yashwantrao Chavan College of Science, Karad, Maharashtra	05th June 2020	Participant	
Naiyar Iqbal	PhD (CS)	One-day webinar on "Study of Corona Virus using Bioinformatics Tool" jointly organized by Guru Nanak Institute of Pharmaceutical Science and Technology (Life Science) & Bioclues Organization	06th June 2020	Participant	
Naiyar Iqbal	PhD (CS)	One-day webinar on "Research in Digital Age-Problems and Opportunities" organized by Bharati Vidyapeeth's Institute of Computer Applications and Management, New Delhi	12th June 2020	Participant	
Naiyar Iqbal	PhD (CS)	One-day webinar on "Advancements in Computing & Informatics" organized by Department of Information Technology, Baba Ghulam Shah Badshah University, Rajouri, Jammu & Kashmir	21st July 2020	Participant	

Naiyar Iqbal	PhD (CS)	One-day webinar on "Genomics: from Personal Genomes to Populations" organized by GENoMiX Team	05th September 2020	Participant	
Naiyar Iqbal	PhD (CS)	One-day webinar on "Online-Turnitin User Awareness Program" organized by Maulana Azad National Urdu University	18th September 2020	Participant	
Naiyar Iqbal	PhD (CS)	One-day webinar on "Optimization and AI Techniques" organized by Bharati Vidyapeeth's Institute of Computer Applications and Management, New Delhi	06th November 2020	Participant	
Naiyar Iqbal	PhD (CS)	One-day webinar on "Soft Computing and Its Applications" jointly organized by Department of Computer Application IT and Internal Quality Assurance Cell (IQAC), A. M. College, Gaya	23rd May 2021	Participant	
Naiyar Iqbal	PhD (CS)	One-day webinar on "Managing & Measuring Research: Using SCOPUS Effectively" organized by Dr. Zakir Husain Central Library, Jamia Millia Islamia, New Delhi, in association with Elsevier	29th June 2021	Participant	

59) Details of participation in Sports/Extracurricular activities by Scholars/Students during 2020-2021:

Name of the Scholar/ Student	Programme Pursuing	Name of the Sport / Cultural/ Outreach Activity	Level: International/ National/ State/ University	Title of Distinction (prize/award/appreciation)

60) Details of Research Publication of the faculty during the last Academic year based on average citation index in UGC-CARE list/ Scopus/ Web of Science or PubMed/ Indian Citation Index

Name of the author	Title of the paper	Name of the journal, with volume / issue no	Publication date & name of the publisher	Citation Index	Institutional affiliation as mentioned in the publication	Number of Citations excluding self citations
Fareeha Rasheed and Abdul Wahid	Learning Style Detection in E-learning Systems Using Machine Learning Techniques	Expert Systems with Applications, Vol:174	22 Feb, 2021, Elsevier	SCIE	MANUU	
Parul Kalra, Deepti Mehtrotra, and Abdul Wahid	Mapping User Information with Cognitive Skills by Hybrid IR Models with Inference Engine	International Journal of Performability Engineering Vol:16(9)	2020/9/1, Totem Publisher	Scopus	MANUU	
Shah Imran Alam, Ihtiram Raza Khan, Syed Imtiyaz Hassan , Farheen Siddiqui, M. Afshar Alam, and Anil Kumar Mahto	Open Data Release and Privacy Concerns: Complexity in Mitigating Vulnerability with Controlled Perturbation	Spl issue Artificial Intelligence in Food Quality Improvement, Journal of Food Quality, Hindawi, Volume June 2021, Article ID 9929049, https://doi.org/10.1155/2021/9929049 ISSN: 0146-9428 (Print), ISSN: 1745-4557 (Online)	Hindawi, Volume June 2021,	SCIE (IF 2.4), Scopus	MANUU	
Musaeed Abouarork and Khaleel Ahmad	Authentication in opportunistic networks: State and art	Journal of Discrete Mathematical Sciences and Cryptography	15/04/2021 Taylor & Francis	Scopus, ESCI (WoS)	Yes	
Md. Ibrahim Talukdar, Rosilah Hassan, Md. Sharif Hossen, Khaleel Ahmad , Faizan Qamar, Amjed Sid Ahmed	Performance Improvements of AODV by Black Hole Attack Detection Using IDS and Digital Signature	Wireless Communications and Mobile Computing, Volume 2021	March 2021 Wiley & Hindawi	SCIE, Scopus	Yes	

Md Sharif Hossen, Khaleel Ahmad , Khairol Amali Bin Ahmad	Impact of contacts for message copies, mobile nodes and buffer size in delay-tolerant networks	International Journal of Innovative Computing and Applications, Volume 12, Issue 2-3	18/03/2021 InderScience	Scopus	Yes	
Khaleel Ahmad , Afsar Kamal	Mix Networks: Existing Scenarios and Future Directions on Security and Privacy	Recent Patents on Engineering, Volume 14, Issue 3	01/12/2021 Bentham Science Publishers	Scopus	Yes	
Khairol Amali bin Ahmad, Mohammad Nazmul Hasan, Md. Sharif Hossen, Khaleel Ahmad	Performance Analysis of DEBT Routing Protocols for Pocket Switch Networks	Computers, Materials & Continua, Volume 66, Issue 3	December 2020, Tech Science Press, USA	SCIE, Scopus	Yes	
Rosilah Hassan, Selver Pepic, Muzafer Saracevic, Khaleel Ahmad , Milan Tasic	A Novel Approach to Data Encryption Based on Matrix Computations	Computers, Materials & Continua, Volume 66, Issue 2	November 2020, Tech Science Press, USA	SCIE, Scopus	Yes	
Jameel Ahamed, Mohammad Ahsan Chishti	Semantic interoperability in the internet of things-state-of-the-art and prospects	International Journal of Innovative Computing and Applications, Volume 12, Issue 2-3	18/03/2021 InderScience	Scopus	Yes	
Jameel Ahamed, Mohammad Ahsan Chishti	Ontology based semantic interoperability approach in the Internet of Things for healthcare domain	Journal of Discrete Mathematical Sciences and Cryptography	15/04/2021 Taylor & Francis	Scopus, ESCI (WoS)	Yes	
Jeelani Ahmed, Muqem Ahmed	ONLINE NEWS CLASSIFICATION USING MACHINE LEARNING TECHNIQUES	IIUM Engineering Journal, Vol. 22, No. 2,	IIUM Press 2021	Scopus, ESCI (WoS)	yes	

<u>Abdul Manan Koli*</u> , Muqeeem Ahmed	<u>Machine Learning Based Parametric Estimation Approach for Poll Prediction</u>	Recent Advances in Computer Science and Communications Formerly <u>Recent Patents on Computer Science</u>	Bentham Science 2021	Scopus	yes	
Khatoun, P.S., Muqeeem Ahmed	<u>A crop selection framework using K nearest neighbour for IoT semantic interoperability applications</u>	Proceedings of the 2021 8th International Conference on Computing for Sustainable Global Development, Ipp. 262–267, 9441275	INDIACom 2021	IEEE,Scopus	yes	
Khatoun, P.S., Muqeeem Ahmed	<u>Semantic Interoperability for IoT Agriculture Framework with Heterogeneous Devices</u>	Advances in Intelligent Systems and Computing, 1245, pp. 385–395	Advances in Intelligent Systems and Computing, 2021	Springer, Scopus	yes	
Ahmad, N., Sethi, S., Muqeeem Ahmed	<u>Cache-Aware Query-Broadcast to Improve QoS of Routing Protocols in MANETs</u>	Wireless Personal Communications, 2020, 113(1), pp. 481–498	Springer Science 2020	SCI,Scopus	yes	
Rashid, E., Ansari, M.D., Gunjan, V.K., Muqeeem Ahmed	<u>Improvement in extended object tracking with the vision-based algorithm</u>	Studies in Computational Intelligence, 2020, 885, pp. 237–245	Springer 2020	Scopus	yes	
Jeelani Ahmed, Muqeeem Ahmed	<u>A framework for sentiment analysis of online news articles</u>	International Journal on Emerging Technologies, 2020, 11(3), pp. 267–274	International Journal on Emerging Technology 2020	Scopus	yes	
Jeelani Ahmed, Muqeeem Ahmed	<u>Ontological Based Approach of Integrating Big Data: Issues and Prospects</u>	Lecture Notes in Electrical Engineering, 2020, 601, pp. 365–378	Springer 2020	Scopus	yes	
Alimuddin, Mohd Rafeeq	<u>Synthesis and Characterization of Strontium Oxide Nano Particle by Sol-Gel Method</u>	ORIENTAL JOURNAL OF CHEMISTRY	: January 05, 2021, ORIENTAL JOURNAL OF CHEMISTRY	Web of Sciences	yes	

61) h-Index of the faculty Publications during the year (based on Scopus/ Web of Science)

Name of the author	Title of the paper	Name of the journal, with volume / issue no	Publication date & name of the publisher	h-index	Institutional affiliation as mentioned in the publication	No. Of Citations excluding self citations

62) Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings by the faculty during the year Name of the author	Title of the book/edited book	Title of the chapter	Title of the paper published in Conference Proceeding	Title and details of the translated work
Syed Abdul Basit Andrabi, Prof. Abdul Wahid	Inventive Systems and Control. Lecture Notes in Networks and SyHistems	A Comprehensive Study of Machine Translation Tools and Evaluation Metrics	Organized by JCT College of Engineering and Technology on January 7–8 , 2021, Inventive Systems and Control. Lecture Notes in Networks and Systems Published by Springer	
Hamza Mutahar, Dr. Pradeep Kumar	Proceedings of 021 11th International Conference on Cloud Computing, Data Science & Engineering (Confluence)	Security-Enhanced SDN Controller Based Kerberos Authentication Protocol	Organized by Amity University, 28-29 Jan. 2021, added to IEEE explore on 15th March 2021. Published by IEEE	
Naiyar Iqbal, Dr. Pradeep Kumar	Lecture Notes in Electrical Engineering, ICDSMLA2019	A Framework for the RNA-Seq Based Classification and Prediction of Disease	Organized by CMR Engineering College, Hyderabad in March 2019 but published on 19 May 2020	
Mohd. Omar, Dr. Pradeep Kumar	Proceedings of 2020 International Conference on Information Science and Communications Technologies (ICISCT)	Detection of Roads Potholes using YOLOv4	Organized by Tashkent University of Information Technologies, Uzbekistan 4-6 Nov 2020, published by IEEE	

Syed Imtiyaz Hassan and Parul Agarwal	Big Data, IoT, and Machine Learning: Tools and Applications, Tylor & Francis, July 2020., pp. 277-294, ISBN: 9780367336745(hbk) , 9780429322990(ebk)	Analytical Approach to Sustainable Smart City Using IoT and Machine Learning		
Salem Abbas, Khaleel Ahmad			Opportunistic Routing Protocols Based on Fuzzy Logic: Present and Future Directions, 2021 International Conference on Artificial Intelligence and Smart Systems (ICAIS), Published by IEEE April 2021	
Afsar Kamal, Khaleel Ahmad, Rosilah Hassan, Khujamatov Khalim	Edited Book: Functional Encryption, Springer	NTRU Algorithm: Nth Degree Truncated Polynomial Ring Units		
Uma N. Dulhare, Azmath Mubeen, Khaleel Ahmad	Edited Book: Machine Learning and Big Data: Concepts, Algorithms, Tools and Applications, Wiley	Hands-On H2O Machine Learning Tool		
Editors: Uma N. Dulhare, Khaleel Ahmad, Khairol Amali Bin Ahmad	Edited Book: Machine Learning and Big Data: Concepts, Algorithms, Tools and Applications, Wiley			
Editors: Ahmad, Khairol Amali bin, Ahmad, Khaleel, Dulhare, Uma N.	Edited Book: Functional Encryption, Springer			

Sobiya Arsheen, Abdul Wahid, Khaleel Ahmad, Khujamatov Khalim			Flying Ad hoc network expedited by DTN scenario: reliable and cost-effective MAC protocols perspective, 2020 IEEE 14th International Conference on Application of Information and Communication Technologies (AICT), Uzbekistan Published by IEEE 07/10/2020	
Mohammad Rashid, Irfan Alam			Software Defined Networks in IoT Devices: A Comparative Study, Two Day National Conference on Computational Methods, Data Science and Applications organized by Dept. of CS&IT, School of Technology, MANUU Hyderabad	
Zohra Khatoun & Mohammad Islam	1st Proceedings of Conference on Computational Methods, Data Science and Applications (NC-CMDSA 2021)	An Empirical Illustration on Student Stress: An Outlook	Two-Day National Conference on Computational Methods, Data Science and Applications (NC-CMDSA 2021) 24-25 th May 2021	

63) Patents published/awarded during 2020-2021:

Patent Details	Patent status Published/Filed	Patent Number	Date of Award
Title: Smart Vehicle Monitoring System, Inventors: Khairol Amali Ahmad, Khaleel Ahmad , Manju Khari, Archit Garg Patent filed country: Malaysia	Filed on 18/12/2020	UI2020006852	

64) Faculty participation in Seminars/Conferences and Symposia during 2020-2021:

Name of the Faculty	Name of the Conference	Dates of the Conference	Participated as Paper Presenter (Title of the Paper)	Resource Person (Title of the Presentation)	Level (State/National/International)
Dr. Khaleel Ahmad	IEEE International Conference on Information Science and Communications Technologies (ICISCT 2020),Uzbekistan	4-6 November 2020		Delving IR 4.0 Applications Using Blockchain	International
Dr. Khaleel Ahmad	3rd International Conference on Communication and Computing System (ICCCS-2021), Jawahar Lal Nehru University (A Central University), Delhi, India.	5-7 February 2021		Impact of Blockchain Technology on Fourth IR	International

Dr. Khaleel Ahmad	Five-Day Online Workshop on Research Methodology and ICT Tools for Research, Organized by Maulana Azad National Urdu University (A Central University) in collaboration with Telangana State Urdu Academy, Hyderabad, India	11-19 April 2021		Tools for Literature Review	National
Jameel Ahamed	Five-Day Online Workshop on Research Methodology and ICT Tools for Research, Organized by Maulana Azad National Urdu University (A Central University) in collaboration with Telangana State Urdu Academy, Hyderabad, India	11-19 April 2021		Tools for Report Writing	National
Jameel Ahamed	Action Research for Urdu Medium Teachers and Research scholars by MANUU	11 Dec 2020		ICT tools for Research	National
Jameel Ahamed	E-Learning for Urdu Medium Teachers by MANUU	17 July 2020		LMS	National
Jameel Ahamed	Workshop on 5G by CHRISTIAN EMINENT COLLEGE, INDORE	19 June 2021		5G and Future of IoT	National

Afrah Fathima	International Hazar Sciengifica Researchers Conference-II	10-12 April 2021	Extracting SIGNAL Conversation from Android Smart phones using ElcomSoft Forensic Tool		International
Adul Basit	Webinar organised by IEEE Hyderabad section, Education Society Chapter	5th October 2020		Cyber security Issues, Challenges and Career opportunities	National
Dr. Aziz Ahmed	E-Learning for Urdu Medium Teachers by MANUU	13-18 July 2020		Tools for online test	National

65) Participation of Faculty in Training Programmes/Refresher Courses/Orientation Programmes/Others during 2020-2021

Name of the Faculty	Name of the Programme	Place, date & duration of the Programme	Level: International/ National/ State/ University
Dr. Syed Imtiyaz Hassan	4-days Online Course on Examination Reforms	Online 15-18 April, 2020 organized by AICTE.	National
Dr. Syed Imtiyaz Hassan	Ten days Faculty Induction Program	Online, 13.11.20 to 18.12.2020	University
Dr. Khaleel Ahmad	Faculty Development Program on Blockchain Technology	Online, Finland Lab 8-12 June 2020, Five days	National
Dr. Khaleel Ahmad	Faculty Development Program on Python for Data Science	Online, MITS Andhra Pradesh 24-28 June 2020, Five days	National
Dr. Khaleel Ahmad	Faculty Development Program on Blockchain and Machine Learning	Online, Gurukula Kangri University 29 June-03 July 2020 Five days	National
Dr. Khaleel Ahmad	Workshop on Cryptology	Online, JNU, New Delhi, 22-26 July 2020 Five days	National
Dr. Khaleel Ahmad	Training Programme on Blockchain Technology and Applications	Online, IIITDM, Jabalpur, 17-22 October 2020 Five days	National
Dr. Khaleel Ahmad	Industrial Training	BSNL, Hyderabad 16 Nov 2020-05 December 2020, Three weeks	National
Mr. Mohd Omar	Industrial Training	BSNL, Hyderabad 16 Nov 2020-05 December 2020, Three weeks	National
Mr. Mohd Omar	online workshop on Universal Human Value. "Inculcating Universal Human Values in Technical Education"	26-30 October, 2020, One week by AICTE	National

Mr. Mohd Omar	Five Day Online workshop	STRIDE Research Methodology Workshop organized by UGC-STRIDE Task Group 2020, 17th August to 21st August, 2020, MANUU	National
Mr. Mohd Omar	Faculty Development Program on Python for Data Science	Online, MITS Andhra Pradesh 24-28 June 2020, Five days	National
Mr. Mohd Omar	Faculty Development Program on Python and emerging trends in Machine Learning	2nd to 6 th June, conducted by Forsk coding school	National
Jameel Ahamed	Industrial Training	BSNL, Hyderabad 16 Nov 2020-05 December 2020, Three weeks	National
Jameel Ahamed	8 Online Module by AICTE NITTT	12 Weeks Jan-Feb 2021	National
Jameel Ahamed	FDP on IoT by IIIT Kottayam (ATAL)	14-18 Sept 2020	National
Jameel Ahamed	FDP on Data Science by NIT Karnataka (ATAL)	21-25 Sept 2020	National
Jameel Ahamed	FDP on "Research Challenges and Emerging Trends in Ontology and Data Science for Deep Learning	07-12 Dec 2020	National
Ahmad Talha Siddiqui	FDP on "Deep Learning and Computer Vision" by KAMLA NEHRU INSTITUTE OF TECHNOLOGY. (ATAL)	07-11 June 2021	National
Ahmad Talha Siddiqui	Industrial Training	BSNL, Hyderabad 16 Nov 2020-05 December 2020, Three weeks	National

Khaleda Afroaz	4-days Online “Course on Examination Reforms”	4-days Online Course on Examination Reforms conducted during 15-18 April, 2020 organized by AICTE.	National
Khaleda Afroaz	FDP on “360° Classroom Management- Teaching Methodology”	Sri Sairam Institute of Management studies, Chennai, 16th to 21st May 2020	National
Khaleda Afroaz	FDP on “Research Methodology: TOOLS & TECHNIQUES”	IILM, Noida, 18-22 May 2020	National
Khaleda Afroaz	Workshop on Cryptology	Online, JNU, New Delhi, 22-26 July 2020 Five days	National
Khaleda Afroaz	Industrial Training	BSNL, Hyderabad 16 Nov 2020-05 December 2020, Three weeks	National
Khaleda Afroaz	Inculcating Universal Human Values in Technical Education	Online, AICTE, 31 May 2021-04 June 2021, Five Days	National
Afrah Fathima	Industrial Training	BSNL, Hyderabad 16 Nov 2020-05 December 2020, Three weeks	National
Muqeem Ahmed	Industrial Training	BSNL, Hyderabad 16 Nov 2020-05 December 2020, Three weeks	National
Muqeem Ahmed	FDP on IoT by IIIT Kottayam (ATAL)	14-18 Sept 2020	National
Muqeem Ahmed	FDP on Data Science by NIT Karnataka (ATAL)	21-25 Sept 2020	National
Muqeem Ahmed	AICTE sponsored Six Days Online Short Term Training Programme on “Tableau-Data Visualization Tool for Researchers	31st Aug to 05 sept 2020	National

Muqem Ahmed	FDP on "Simulation and Modeling of Data Communications & Networks	27July to 31 July 2020	National
Muqem Ahmed	Online FDP on "Recent Trends in Computer Science &IT	13.07.2020 to 17.07.2020	National
Muqem Ahmed	One Week Virtual Faculty Development Program on Emerging technologies in engineering organized by Malla Reddy college of Engineering association with computer society of india and institution's innovation council	Ist June 2020 to 06 th June, 2020.-Reg.	National
Muqem Ahmed	Five Days FDP on Digital Image Processing and with Research Technology	15/06/2020-19/06/2020	National
Muqem Ahmed	Faculty Development Program on Python for Data Science	Online, MITS Andhra Pradesh 24-28 June 2020, Five days	National
Muqem Ahmed	Five Days National Faculty Development Program on "Applications of Machine Learning and Deep Learning"	24th June to 28th June, 2020 at	National
Mohatesham Pasha Quadri	Industrial Training	BSNL, Hyderabad 16 Nov 2020-05 December 2020, Three weeks	National
Mohatesham Pasha Quadri	4-days Online "Course on Examination Reforms"	4-days Online Course on Examination Reforms conducted during 15-18 April, 2020 organized by AICTE.	AICTE

Mohatesham Pasha Quadri	Workshop on “Online Teaching Learning and Evaluation with Moodle MOOC Platform”	Online Workshop by IMC, MANUU, Hyderabad on 29th, May 2020	National
Mohatesham Pasha Quadri	Online Webinar on “The New Face of Higher Education after COVID-19”	Online Webinar by Acharya Nagarjuna University on 10th, May 2020.	State
Mohatesham Pasha Quadri	“Two Weeks Online Faculty Development Programme on Machine Learning for Computer Vision”	Online Two Week FDP by Electronics ICT Academies during June 29 - July 8, 2020.	National
Abdul Basit	Faculty Development Program on “Cyber Security”	Online, Department of Computer Science and Engineering, in association with Supraja Technologie, June 19th to 24th 2020, One Week	National
Abdul Basit	SAFETY OF WOMEN WITH RISING CYBER CRIMES	Online, Amity Law School, Amity University Haryana. 19 th May, 2020	National
Abdul Basit	The New Face of Higher Education after COVID-19	Online, ACHARYA NAGARJUNA UNIVERSITY, May 10, 2020	National
Abdul Basit	one day workshop on “Intellectual Property Rights (IPR)”	Online, organized by University of Hyderabad- Institutional Innovation Council and Technology Enabling Centre on 22 nd May 2021.	National

Abdul Basit	Webinar on Artificial Intelligence using PYTHON	online, Department of Computer Science and Engineering, University School of Information and Communication Technology, Gautam Buddha University, Greater Noida, 09/06/2020,	National
Abdul Basit	International Webinar on "Application of Deep Learning for COVID 19 Diagnosis and Treatment"	Online, JAMIA HAMDARD ING, New Delhi 30 May, 2020	International
Abdul Basit	Five Day Online Workshop on Research Methodology and ICT	Online, Centre for Professional Development of Urdu Medium Teachers (CPDUMT) and Office of the Dean Research and Consultancy, Maulana Azad National Urdu University, Hyderabad in collaboration with Telangana State Urdu Academy, Hyderabad from 11th to 20th April 2021.	National

Abdul Basit	Faculty Development Programme on LaTeX	Online, organized by North Lakhimpur College (Autonomous) with course material provided by Spoken Tutorial Project, IIT Bombay. from 2020-06-20 to 2020-06-24	National
MOHD RAFEEQ	Industrial Training	BSNL, Hyderabad 16 Nov 2020-05 December 2020, Three weeks	National
Dr. Aziz Ahmed	Introduction to SAGE	ICT, Mumbai. 20 May -29 June 2020	National
Dr. Aziz Ahmed	Five Days online FDP on R Programming	Department Of MCA, Indira College of Engineering and Management, Pune in association with Spoken Tutorial, IIT Bombay from 11/05/2020 to 15/05/2020 .	National
Dr. Aziz Ahmed	MOOCs, E-Content Development and OER	Government First Grade College Hungund, Karnataka 28 May to 3 June 2020	National
Dr. Aziz Ahmed	Moodle Learning Management System	K.J.Somaiya Institute of Engineering and Information Technology, Mumbai in association with Spoken Tutorial, IIT Bombay from 26-30 May 2020	National
Dr. Aziz Ahmed	"E-LEARNING TOOLS FOR EFFECTIVE TEACHING AND LEARNING"	Nirmala Memorial Foundation College of Commerce & Science in collaboration with EdFly Learn ~ Learning Management Solutions. May 16, 2020	National
Dr. Aziz Ahmed	One Day Webinar on New Higher Education Policy and Digitization of Education	DBATU, Lonere & R.C. Patel Institute of Technology, Shirpur. May, 17 2020	National

Dr. Aziz Ahmed	One week online National Level FDP on "Mathematics : A Practical Approach in Science and Technology."	Deogiri Institute of Engineering and Management Studies, Aurangabad. 28 June to 3 July 2020	National
Mohammad Islam	Industrial Training	BSNL, Hyderabad 16 Nov 2020-05 December 2020, Three weeks	National
Mohammad Islam	One Online Module by AICTE NITTT	12 Weeks Jan-Feb 2021	National
Mohammad Islam	AICTE Training And Learning (ATAL) Academy Online FDP on "Augmented Reality (AR)/ Virtual Reality (VR)" at THIAGARAJAR POLYTECHNIC COLLEGE.	17-08-2020 to 21-08-2020, One Week	National
Mohammad Islam	AICTE Training And Learning (ATAL) Academy Online FDP on "Computer Science & Biology" at Amal Jyothi College of Engineering.	24-08-2020 to 28-08-2020, One Week	National
Mohammad Islam	Inculcating Universal Human Values in Technical Education	Online, AICTE, 05th to 9th August 2020, One Week	National
Mohammad Islam	4-days Online "Course on Examination Reforms"	4-days Online Course on Examination Reforms conducted during 15-18 April, 2020 organized by AICTE.	AICTE

Mohammad Islam	Short Term Training Program-2 on “Advanced Deep Learning Techniques with Python” at Department of Computer Science & Engineering, Anurag Group of Institutions, Hyderabad, India	31st August 2020 to 5th September 2020. One week	National
Mohammad Islam	Workshop on “Machine Learning and its Application using Python” at Ajay Kumar Garg Engineering College, Ghaziabad, India	29-06-2020 to 03-07-2020, One week	National
Mohammad Islam	Workshop on Effective Teaching in Computer Science” at TLC, Central University of Rajasthan.	13th to 17th July 2020, One week	National
Mohammad Islam	Workshop on Artificial Intelligence and Data Science at Indian Society of Technical Education (ISTE) and Mangalmay Institute of Engineering & Technology, Greater Noida, Uttar Pradesh.	25-05-2020 to 29-05-2020, One week	National
Geeta Pattun	Industrial Training	BSNL, Hyderabad 16 Nov 2020-05 December 2020, Three weeks	National
Geeta Pattun	5 days Faculty Development Program- Student Induction on UHV” universal human Values”.	conducted online during 14-18 June, 2021. by AICTE	National

66) E-content developed by Teachers such as: e-PG-Pathshala, CEC (under e-PG-Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc.

Name of the Teacher	Name of the module	Platform on which module is developed	Date of launching e - content
Nil	Nil	Nil	Nil

67) Teachers awarded National/International fellowship for advanced studies/research during 2020-2021:

	Name of the Teacher awarded the fellowship	Name of the Award	Date of Award	Awarding Agency
International	Nil	Nil	Nil	Nil
National	Nil	Nil	Nil	Nil

68) Teachers received financial support to attend conferences / workshops and towards membership fee of professional bodies during 2020-2021:

Year	Name of the Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
Nil	Nil	Nil	Nil	Nil

69) Details of the Faculty Membership of Boards/Committees (Outside MANUU)

Name of the Faculty	Name of the board/committee	Name of the institution/organization/Industry
Prof. Abdul Wahid	Academic Council	Thassim Beevi Abdul Kader College for Women, Ramanthapuram
Prof. Abdul Wahid	Board of Studies	RBVRR college for Women, Hyderabad
Dr Pradeep Kumar	Board of Studies	CMR Engineering College Hyderabad
Dr Pradeep Kumar	Board of Studies	GNIT Hyderabad