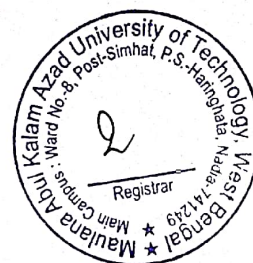


6.3.4 Average number of professional development / administrative training programs organized by the institution for teaching and non teaching staff during the last five years			
Year	No. of Faculty / Name of Faculty	Title of the professional/ administrative development program organized for the teaching staff/ non-teaching staff	Dates (from-to) (DD-MM-YYYY)
2017-2018	1	Workshop on Data Science with R under TEQIP-III	23rd – 29th March, 2018
2018-2019	10	Workshop on Machine learning with Python and Deep Learning Approach was organized under TEQIP III	March 25th -29th, 2019
2018-2019	4	Workshop on "Computational Biology with Modern Tools under TEQIP-III	17th June to 21st June 2019
2018-2019	5	Workshop on Cryptography and Cyber security under TEQIP-III	February 12th - 16th, 2019
2018-2019	50	One-week TEQIP III sponsored workshop on NBA NAAC Accreditation	03/01/2019- 07/01/2019
2019-2020	8	A workshop on Smart Sensor and IOT under TEQIP-III	21st – 25th October, 2019
2019-2020	4	Workshop on Data Science and Big data Analytics under TEQIP-III	13/01/2020- 17/01/2020
2019-2020	5	Training program on python under TEQIP-III	17/02/2020- 21/02/2020
2020-2021	5	Faculty Development Program (FDP) (Tapas Ghosh)	14-09-2020 to 19-09-2020
2020-2021	8	5 DAY WORKSHOP ON AI & ITS APPLICATION	02-11-2020 to 06-11-2020
2020-2021	8	INTELLIGENT COMPUTING	16-11-2020 to 20-11-2020
2020-2021	9	Internet of Things Security	11-09-2020 to 15-09-2020
2020-2021	7	Online workshop on Simple tools and techniques for preparation of digital content	07-11-2020 to 11-11-2020
2020-2021	5	Big Data Analytics Workshop	13-09-2020 to 18-09-2020
2020-2021	5	6-Day's AICTE sponsored Short Term Training Program (STTP) On EMERGING NANO-MATERIALS FOR SUSTAINABILITY	13-09-2020 to 18-09-2020
2020-2021	12	5day FDP on THE ART & CRAFT OF SCIENTIFIC & TECHNICAL WRITTING FROM A TO Z	05-07-2021 to 10-07-2021
2020-2021	5	INTELLIGENT COMPUTING	16-11-2020 to 20-11-2020
2020-2021	6	Internet of Things Security	11-09-2020 to 15-09-2020
2020-2021	8	STTP on Quantum Computing and its Applications	3/3/2021 to 24/7/2021
2021-2022	4	5day FDP on THE ART & CRAFT OF SCIENTIFIC & TECHNICAL WRITTING FROM A TO Z	05-07-2021 to 10-07-2021
2021-2022	6	AICTE sponsored FDP on Applications of Artificial Intelligence on Geospatial Data	26.07.2021 – 30.07.2021
2021-2022	4	EMERGING NANO-MATERIALS FOR SUSTAINABILITY	30.08.2021 - 04.09.2021
2021-2022	10	Application of AI, ML and DL in Smart	27.09.2021 -



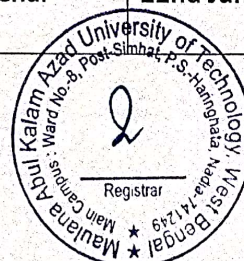
		Healthcare ( ATAL)	1.10.2021
2021-2022	5	Online Advanced C Programming Session-I	01.01.2022-29.01.2022
2021-2022	5	Inauguration of First Training Program on Fundamentals of Python Language for faculty members	16.02.2022 – 03.03.2022
2021-2022	5	ATAL FDP ON 'Applications of CRISPR-Cas Gene Editing Tool'	07.02.2022 – 11.02.2022
2021-2022	5	STTP- Foundation of Financial Markets and Financial Technologies	21.02.2022-26.02.2022
2021-2022	3	Technology in Library (6 Day Short Term Training Programme (STTP))	21.03.2022-26.03.2022





**6.3.4.1. Total number of teachers attending professional development Programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes year wise during last five years**

Year	Title of the professional development programme	Number of teachers who attended	Date and Duration From - To
2019-2020	Digital Education - A New Frontier	Anirban Roy	30th April, 2020
2019-2020	Faculty Development: Online Teaching	Anirban Roy	10th June, 2020
2019-2020	Online course on Material and Energy Balances completed from NPTEL	Anirban Roy	January - April, 2020
2019-2020	Short Term MOOCs Course (5 weeks) "Materials Data Sciences and Informatics" Course offered by Georgia Institute of Technology	Monalisa Char	16th Feb 2020
2019-2020	Short Term MOOCs Course (8 weeks) "Nanotechnology: A Makers Course" Course offered by Duke University, NC State University, The University of North Carolina at Chapel Hill	Monalisa Char	23rd May 2020
2019-2020	Short Term MOOCs Course (4 weeks) "AI for Everyone" Course offered by deeplearning.ai.	Monalisa Char	9th April 2020
2019-2020	6. Short Term MOOCs Course (9 weeks) "Introduction to programming with MATLAB" Course offered by Vanderbilt University	Monalisa Char	24th April 2020
2019-2020	Short Term MOOCs Course (6 weeks) "Material Behavior" Course offered by Georgia Institute of Technology	Monalisa Char	8th June 2020
2019-2020	Short Term MOOCs Course (5 weeks) "Materials Science: 10 things Every Engineer should Know. 5 weeks course	Monalisa Char	13th June 2020
2019-2020	Short Term MOOCs Course (8 weeks) "Surface Engineering of Nanomaterials" Course offered by SWAYAM.	Monalisa Char	16th June 2020
2019-2020	Webinar on Nanoparticles and Biomarkers in Disease Treatment and Management	Monalisa Char	9th June 2020
2019-2020	Webinar on MATLAB for Engineering Practice, Science and Research-I	Monalisa Char	11th June 2020
2019-2020	Webinar on Machine and Deep Learning with MATLAB for Engineering Applications-II	Monalisa Char	16th June 2020
2019-2020	Webinar on MATLAB and Simulink for IoT Application in Engineering	Monalisa Char	22nd June 2020



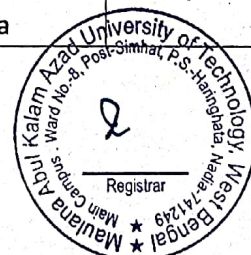


2019-2020	Webinar on Engineering Tomorrow: New Fields, Newer Prospects	Monalisa Char	13th June 2020
2019-2020	Webinar on Online Teaching	Monalisa Char	7th June 2020
2019-2020	Webinar on Observation of Annular Solar Eclipse	Monalisa Char	20th June 2020
2019-2020	Webinar on COVID-Myth Vs Fact	Monalisa Char	20th June 2020
2019-2020	Webinar on The Pandemic-A challenge to existing research and development	Monalisa Char	16th May 2020
2019-2020	Course Completion on "Machine Learning with Python" by IBM	Somdatta Chakravortty	Completed on 19.4.2020
2019-2020	Course Completion on "AI For Everyone" by DeepLearning.ai	Somdatta Chakravortty	Completed on 07.05.2020
2019-2020	Faculty Development: Online Teaching	Somdatta Chakravortty	10.6.2020
2019-2020	Faculty Development Program on Data Science and Big Data Analytics	Somdatta Chakravortty	13-01.2020 to 17.01.2020
2019-2020			
2019-2020	Security and Privacy for Big Data-part I from Coursera	Debasis Giri	April, 2020
2019-2020	Cryptography and Information Theory from Coursera	Debasis Giri	April, 2020
2019-2020	Data Science Math Skills from Coursera	Debasis Giri	April, 2020
2019-2020			
2019-2020	Mathematics for Machine Learning: Linear Algebra from Coursera	Debasis Giri	May, 2020
2019-2020	Smart Sensors and IoT	Joy Samadder	21.10.2019-25.10.2019
2019-2020	Faculty Development Program on Data Science and Big Data Analytics	Joy Samadder	13-01.2020-17.01.2020
2019-2020			
2019-2020	Responsive Website Basics: Code with HTML, CSS, and JavaScript from coursera	Joy Samadder	April 13, 2020
2019-2020	Introduction to Cybersecurity Tools & Cyber Attacks from coursera	Joy Samadder	April 14, 2020
2019-2020	Clustering Geolocation Data Intelligently in Python from coursera	Joy Samadder	May 1, 2020
2019-2020			
2019-2020	Data Science and Big Data Analytics	Joy Samadder	13-01-2020 to 17-01-2020
2019-2020	Programming for Everybody (Getting Started with Python) from coursera		April 28, 2020
2019-2020	Use Canva to Create Social Media Marketing Designs from coursera	Joy Samadder	April 23, 2020
2019-2020	Technical Support Fundamentals from coursera	Joy Samadder	April 14, 2020
2019-2020			
2019-2020	Smart Sensors and IoT	Dipanwita Ghosh	21.10.2019-25.10.2019



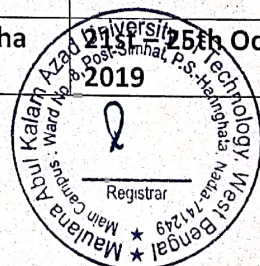


2019-2020	Faculty Development Program on Data Science and Big Data Analytics	Dipanwita Ghosh	13-01.2020- 1 7.01.2020
2019-2020	Data Analytics with Python from NPTEL	Dipanwita Ghosh	Jan-April 2020
2019-2020	Introduction to Research	Dipanwita Ghosh	Aug-Oct 2019
2019-2020	AI for Everyone from Coursera	Dipanwita Ghosh	13-May-20
2019-2020	Computer Vision –Image Basics with OpenCV and Python from Coursera	Dipanwita Ghosh	15-Jun-20
2019-2020	Logistic Regression with Python	Dipanwita Ghosh	15-Jun-20
2019-2020	Smart Sensors and IoT	Dipika Dhara	21.10.2019- 2 5.10.2019
2019-2020	Faculty Development Program on Faculty Development Program on Data Science and Big Data Analytics	Dipika Dhara	13-01.2020- 1 7.01.2020
2019-2020	Introduction to Machine Learning from NPTEL	Dipika Dhara	Jan-April 2020
2019-2020	Introduction to Research	Dipika Dhara	Aug-Oct 2019
2019-2020	Hadoop Platform and Application Framework from Coursera	Dipika Dhara	13-May-20
2019-2020	Business Analytics for Decision Making from Coursera	Dipika Dhara	2-Jun-20
2019-2020	Computer Vision –Image Basics with OpenCV and Python from Coursera	Dipika Dhara	15-Jun-20
2019-2020	Image Classification with CNNs using Keras	Dipika Dhara	14-Jun-20
2019-2020	Smart Sensors and IoT	Kamalika Bhattachrjya	21.10.2019- 2 5.10.2019
2019-2020	Faculty Development Program on Data Science and Big Data Analytics	Kamalika Bhattachrjya	13-01.2020- 1 7.01.2020
2019-2020	Technical support fundamentals from Coursera	Kamalika Bhattachrjya	April, 2020
2019-2020	AWS Fundamentals: Going cloud-native from Coursera	Kamalika Bhattachrjya	April, 2020
2019-2020	The bits and bytes of computer networking from Coursera	Kamalika Bhattachrjya	May, 2020
2019-2020	Fundamentals of network communication from Coursera	Kamalika Bhattachrjya	May, 2020
2019-2020	E-CONCLAVE on Women Entrepreneurs	Kamalika Bhattachrjya	16.06.2020
2019-2020	Cloud Computing from NPTEL	Kamalika Bhattachrjya	Jan-April 2020
2019-2020	Introduction to Internet of Things from NPTEL	Kamalika Bhattachrjya	Jan-April 2020



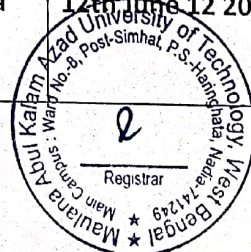


2019-2020	IoT (Internet of Things) Wireless & Cloud Computing Emerging Technologies	Kamalika Bhattacharya	June, 2020
2019-2020	Google Cloud Platform Big Data and Machine Learning Fundamental	Kamalika Bhattacharya	June, 2020
2019-2020	Workshop on Data Science and Big Data Analytics	Sayantani Saha	13- 17 January, 2020
2019-2020	Database Management System from NPTEL	Sayantani Saha	Jan-April 2020
2019-2020	ISEA Project Phase II sponsored Faculty Development Program on Cyber Forensics	Sayantani Saha	10th – 14th February, 2020
2019-2020	Introduction to Big Data from Coursera	Jadav Das	June, 2020
	Introduction to Internet of Things and Embedded System	Jadav Das	June, 2020
2019-2020	Aurdino Platform and Cprogramming	Jadav Das	May , 2020
2019-2020	Smart Sensors and IoT	Jayabrata Chakraborty	21.10.2019-25.10.2019
2019-2020	Faculty Development Program on Data Science and Big Data Analytics	Jayabrata Chakraborty	13-01.2020-17.01.2020
2019-2020	Programming for Everybody (Getting Started with Python) from coursera	Jayabrata Chakraborty	11.04.2020
2019-2020	Fundamentals of Reinforcement from Coursera Learning	Jayabrata Chakraborty	11.04.2020
2019-2020	Python Data Structures from Coursera	Jayabrata Chakraborty	13.04.2020
2019-2020	Neural Networks and Deep Learning	Jayabrata Chakraborty	25.04.2020
2019-2020	Smart Sensors and IoT	Bappaditya Chakraborty	21.10.2019-25.10.2019
2019-2020	Faculty Development Program on Data Science and Big Data Analytics	Bappaditya Chakraborty	13-01.2020-17.01.2020
2019-2020	Programming for Everybody (Getting Started with Python) from coursera	Bappaditya Chakraborty	11.04.2020
2019-2020	Neural Networks and Deep learning Learning	Bappaditya Chakraborty	10.04.2020
2019-2020	Convolutional Neural Networks from Coursera	Bappaditya Chakraborty	30.04.2020
2019-2020	Workshop on Smart Sensors and IoT during	Dr. Sriparna Saha	21st to 25th October, 2019



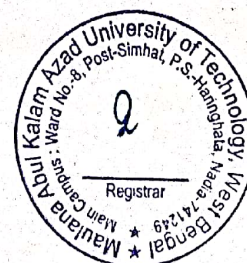


2019-2020	Workshop on Data Science and Big Data Analytics	Dr. Sriparna Saha	13th – 17th January, 2020
2019-2020	ISEA Project Phase II sponsored Faculty Development Program on Cyber Forensics	Dr. Sriparna Saha	10th – 14th February, 2020
2019-2020	Course completion: 'Introduction to Artificial Intelligence' from Simplilearn	Dr. Sriparna Saha	6th April 2020
2019-2020	Course completion: 'AI for Everyone' from Coursera	Dr. Sriparna Saha	13th April 2020
2019-2020	Course completion: 'Neural Networks and Deep Learning' from Coursera	Dr. Sriparna Saha	21st April 2020
2019-2020	Webinar Participation In 'Digital Education- A New Frontier'	Dr. Sriparna Saha	30th April 2020
2019-2020	Webinar Participation In 'Innate Immunity To Respiratory Invasions'	Dr. Sriparna Saha	9th May 2020
2019-2020	Course completion: 'Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization' from Coursera	Dr. Sriparna Saha	16th May 2020
2019-2020	Webinar Participation in 'Psychological Counseling'	Dr. Sriparna Saha	18th May 2020
2019-2020	Course completion: 'Structuring Machine Learning Projects' from Coursera	Dr. Sriparna Saha	26th May 2020
2019-2020	Webinar Participation in 'VC's Round Table – Higher Education beyond COVID19'	Dr. Sriparna Saha	30th May 2020
2019-2020	Webinar Participation in 'Application of Artificial Intelligence on Geo-Spatial Data : A Pandemic View from Space'	Dr. Sriparna Saha	30th May 2020
2019-2020	Webinar Participation in 'Faculty Development: Online Teaching'	Dr. Sriparna Saha	10th June 2020
2019-2020	Webinar Participation in 'Media Educators' Round Table'	Dr. Sriparna Saha	6th June 2020
2019-2020	Webinar Participation in 'Application of Artificial Intelligence on Geo-Spatial Data : A Pandemic View from Space'	Dr. Sriparna Saha	6th June 2020
2019-2020	Webinar Participation in 'Online Teaching'	Dr. Sriparna Saha	7th June 2020
2019-2020	Webinar Participation in 'Enabling an Intelligent IoT Edge'	Dr. Sriparna Saha	8th June 2020
2019-2020	Webinar Participation in 'Basic Concepts Of Steganography : Hiding Data Within Data'	Dr. Sriparna Saha	9th June 2020
2019-2020	Webinar Participation in 'Matlab for Engineering Practice, Science, and Research'	Dr. Sriparna Saha	11th June 2020
2019-2020	Talk Deliberation at Online Webinar session titled "Applications of AI in Healthcare: From Behavioral to Psychological Perspectives "	Dr. Sriparna Saha	12th June 2020



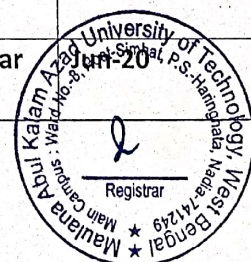


2019-2020	Webinar Participation In 'Engineering Tomorrow: Newer field, Newer Prospects'	Dr. Sriparna Saha	13th June 2020
2019-2020	Webinar Participation In 'Machine and Deep Learning with MATLAB for Engineering Applications - II'	Dr. Sriparna Saha	16th June 2020
2019-2020	Course completion: 'Convolutional Neural Networks' from Coursera	Dr. Sriparna Saha	16th June 2020
2019-2020	Course completion: 'Sequence Models' from Coursera	Dr. Sriparna Saha	2nd June 2020
2019-2020	Strategies and Advancements In Research & Development: Strengthening Academicians for Pharmaceutical Care	Dr Sonla Kundu	22.06.20 - 26.06.20
2019-2020	FDP on 'Application of Business Analytics in the areas of Management' organized by R V Institute of Management, Bangalore;	Sarani Bhaumik	22nd to 26th June 2020
2019-2020	7-Days FDP on Contemporary Research Practices in Social Sciences, Amity University; Uttar Pradesh;	Sarani Bhaumik	30th May to 05th June 2020.
2019-2020	Finance for Non-Finance Professionals	Indranil Mukherjee	29-09-2019 to 03-11-2019
2019-2020	FDP on 'Future of Learning: COVID or No COVID' organized by R V Institute of Management, Bangalore	Sarani Bhaumik	May 27th to May 29th, 2020
2019-2020	Certificate of Appreciation for Online Summer Internship Program (OSIP-2020) as Resource Person on Biochemical & Biomedical Engineering, organised by Indian Institute of Chemical Engineers	Dr. Sebak Ranjan Roy	May – July 2020
2019-2020	ICEMC-2020 (International Conference), HIT, Haldia, W.B.	Dr. Niladri Chakraborty	05/02/2020 to 07/02/2020
2019-2020	FDP on "Strategies and Advancements in Research & Development: Strengthening Academicians for Pharmaceutical Care" organized by Vignan College of Pharmacy, Guntur in association with National Research Development Corporation (NRDC).	Dr. Sonia Kundu	22/06/2020-26/06/2020
2019-2020	Refresher Course: ARPIT Course (16 week, SWAYAM; UGC-AICTE approved) for Career Advancement Scheme (CAS) promotion on 'Online Refresher Course In Chemistry For Higher Education' Exam	Dr Tapas Ghosh	16.02.2020



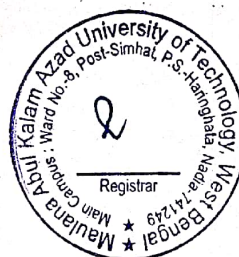


2019-2020	Faculty Development Programme: On Cyber Forensics, organized by Dept. of Computer Science and Engineering, MAKAUT, WB	Dr Tapas Ghosh	10-14 Feb, 2020
2019-2020	4 weeks orientation program: Teaching Learning Centre, Ramanujan College, University of Delhi	Dr Sankar Mondal	June 26 – July 24, 2020
2019-2020	Workshop on Data Science & Big Data Analytics, organized by MAKAUT, WB in association with Islamic University of Science & Technology, Jammu & Kashmir	Anwesha Sengupta	13th Jan-17th Jan, 2020
2019-2020	5 days FDP on "Recent advances on Machine Learning & its application" Organized by Amity Institute of Technology, Amity University, Kolkata	Anwesha Sengupta	23rd – 27th June, 2020
2019-2020	Advances in Energy Storage Technologies, Systems and organised by CSIR-CMERI, Durgapur	Sri Kunal Chowdhury	22nd-23 <sup>rd</sup> Jan 2020
2019-2020	National Seminar on Conventional to Renewables- Transition in Indian Power Sector organised by Jadavpur University	Sri Kunal Chowdhury	07th - 08 <sup>th</sup> Feb 2020
2019-2020			
2019-2020	FDP on Medical Biomaterials (NPTEL)	Dr Debdut Naskar	February-April, 2020
2019-2020	Science Leadership Workshop (NPTEL)	Dr Debdut Naskar	June 22-June 28, 2020
2019-2020	Short Term Courses on Basics of CRISPR/Cas9	Dr Debdut Naskar	Jun-20
2019-2020	Short Term Courses on Basics of Mouse Genetics	Dr Debdut Naskar	Jun-20
2019-2020	Short Term Courses on Genetic Testing for Colorectal Cancer Risk	Dr Debdut Naskar	Jun-20
2019-2020	Short Term Courses on Fundamentals of Immunology: T Cells and Signaling (Coursera)	Dr Debdut Naskar	April-May, 2020
2019-2020	Short Term Courses on Fundamentals of Immunology: Death by Friendly Fire (Coursera)	Dr Debdut Naskar	April-May, 2020
2019-2020	Short Term Courses on Fundamentals of Immunology: Innate Immunity and B-Cell Function (Coursera)	Dr Debdut Naskar	April-May, 2020
2019-2020	Short Term Courses on Beyond Genes: Epigenetics, Environment and Health	Dr Debdut Naskar	Jun-20
2019-2020	Short Term Courses on History and development of Mouse Model System	Dr Debdut Naskar	Jun-20
2019-2020	Short Term Courses on Introduction to Mouse Genetics Certificate Program	Dr Debdut Naskar	Jun-20



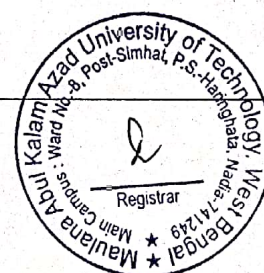


2019-2020	Short Term Courses on Reproductive Biology of the Laboratory Mouse	Dr Debdut Naskar	Jun-20
2019-2020	Extracellular Vesicles in Health and Disease	Dr Suryyani Deb	April 27 to May 25, 2020
	Basics of Extracellular Vesicles	Dr Suryyani Deb	May 30 to June 3, 2020
2019-2020	FDP on Recombinant DNA Technology webinar series	Dr. Rina Rani Ray	May-June, 2020
	FDP on Digital modules of Nucleic Acid Handling webinar series	Dr. Rina Rani Ray	June-July 2020
2019-2020	Antimicrobial resistance - theory and methods of Technical University of Denmark from Coursera	Dr. Rina Rani Ray	March-April 2020
2019-2020	Unravelling solutions for Future Food problems of Utrecht University from Coursera	Dr. Rina Rani Ray	April-May 2020
2019-2020	Foundations of Public Health Practice: Health Protection from Coursera	Dr. Rina Rani Ray	April-May 2020
	Psychology of Popularity from Coursera	Dr. Rina Rani Ray	May-June, 2020
2019-2020	Bacteria and Chronic Infections from Coursera	Dr. Rina Rani Ray	March-April, 2020



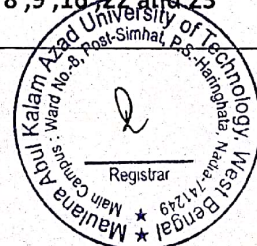


2020-2021	Debdut Naskar	NPTEL-AICTE FDP on Biomedical Nanotechnology offered by IIT Roorkee	September- October 2020
2020-2021	Dr Ananta Kumar Das	Recent advances in Environmental Biotechnology, Continuing Education Programme (CEP), IITKgp, under TEQIP-III	05.10.2020-09.10.2020.
2020-2021	Dr Ananta Kumar Das	5-Day Faculty Development Programme on Advanced Research Techniques "MAKAUT	8,9,16,22 and 23 August, 2020
2020-2021	Dr Ananta Kumar Das	15 days Online training on 'Water Audit and Conservation in Industries', organized by Centre for Science & Environment' Centre for Science & Environment	1 <sup>st</sup> March-14 <sup>th</sup> March 2021.
2020-2021	Dr Ananta Kumar Das	5-Day FDP on Applied Mathematical Skills for Science & Engineering using contemporary tools	14 <sup>th</sup> Sept to 18 <sup>th</sup> Sept. 2020
2020-2021	Dr Anirban Roy	Computational Techniques in Chemistry & Materials Science – How to use Contemporary Software Tools	14 <sup>th</sup> – 19 <sup>th</sup> September, 2020
2020-2021	Monalisa Char	TEQIP III sponsored Faculty Development Program (FDP) organised by Centre for Advanced Electronics (CAE), IIT Indore	21st to 23rd December, 2020
		"VLSI and Nanotechnology in Energy, Environment, and Neuromorphic Computation"	
2020-2021	Monalisa Char	5 days FDP (AICTE Training And Learning (ATAL) Academy) organised by Malaviya	4th to 8th January 2021



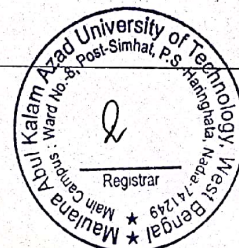


		National Institute of Technology Jalpur (MNIT Jalpur) on Novel Materials	
2020-2021	Monalisa Char	Short-term course as a part of quality Improvement program organised by Department of MEMS, IIT Indore "Advanced Technology for Materials Engineering"	19th to 24th January 2021
2020-2021	Monalisa Char	Transforming Science Education and Research through Computation: Intensive Tools of Learning, organised by MAKAUT WB	20th July 2020
2020-2021	Monalisa Char	IEEE Xplore: Search vs. Research, webinar organised by MAKAUT WB	30th July 2020
2020-2021	Monalisa Char	"Programming for Everybody (Getting Started with Python)" (7 weeks course) Offered by University of Michigan through coursera	21 <sup>st</sup> September 2020
2020-2021	Monalisa Char	"Introduction to Molecular Spectroscopy" (4 weeks course) Offered by The University of Manchester through coursera	21 <sup>st</sup> November 2020
2020-2021	Monalisa Char	"Python Basics for Data Science" (5 weeks course) Offered by IBM through edX	26 <sup>th</sup> April 2021
2020-2021	Prof. Ananta Das	5-Day Faculty Development Programme on Advanced Research Techniques, MAKAUT	8, 9, 16, 22 and 23 August, 2020
2020-2021	Dr. Chabita Saha	5-Day Faculty	8, 9, 16, 22 and 23



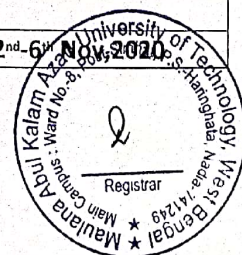


		Development Programme on Advanced Research Techniques,	August, 2020
2020-2021	Dr Atreyee Biswas	MAKAUT Four-week course on "Mathematics for Machine Learning: Linear Algebra" authorized by Imperial College London and offered through Coursera	Completed on 07/07/2020
2020-2021	Dr Atreyee Biswas	Four-week course on "From Big-Bang to Dark Energy" authorized by The University of Tokyo and offered through Coursera	Completed on 23/04/2020
2020-2021	Dr. Sankar Prasad Mondal	Faculty Induction Program (FIP 02)	21 <sup>st</sup> September to 20 <sup>th</sup> October 2020
2020-2021	Dr. Sankar Prasad Mondal	E-CONTENT DEVELOPMENT & ONLINE TEACHING	07 February, 2021 - February 14, 2021
2020-2021	Dr. Sankar Prasad Mondal	ACADEMIC WRITING	18-24 February, 2021
2020-2021	Dr. Sankar Prasad Mondal	Machine Learning and Optimization for Uncertain Decision Making	05 <sup>th</sup> - 9 <sup>th</sup> March, 2021
2020-2021	Dr TAPAS GHOSH	Orientation Program; UGC sponsored '30 <sup>th</sup> Online Orientation Course' organized by HRDC, MIZORAM University	28 <sup>th</sup> July 28 to 17 <sup>th</sup> August, 2020
2020-2021	Dr. Arijit Bag	SCIENTIFIC & TECHNICAL WRITING	2-6 November, 2020
2020-2021	Dr. Hiranmoy Mondal	12 day Faculty Development Programme on "Mentoring for Mental Well-Being of University Students" organized by the IQAC of Brainware University, Barasat from July 20, 2020 to August 7, 2020	Brainware University, Kolkata
2020-2021	Dr. Hiranmoy Mondal	5 day Faculty Development programme on Applied	MAKAUT, West Bengal



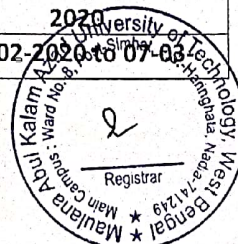


		Mathematical skills for Science and Engineering using contemporary tools on 14-18 <sup>th</sup> September, 2020 at MAKAUT, West Bengal.	
2020-2021	Ms. Anwesha Sengupta	Data Science & Big Data Analytics organized by MAKAUT, WB in association with Islamic University of Science & Technology, Jammu & Kashmir.	13 <sup>th</sup> Jan-17 <sup>th</sup> Jan,2020
2020-2021	Ms. Anwesha Sengupta	Coursera (Write Professional Emails in English)	May 11,2020
2020-2021	Ms. Anwesha Sengupta	5 days FDP on "Recent advances on Machine Learning & its application" organized by Amity Institute of Technology, Amity University, Kolkata.	23 <sup>rd</sup> June – 27 <sup>th</sup> June,2020
2020-2021	Ms. Anwesha Sengupta	Coursera (Speak English Professionally: In person, Online & On the phone)	June,25,2020
2020-2021	Ms. Anwesha Sengupta	Coursera (Python Basics)	July 18, 2020
2020-2021	Ms. Anwesha Sengupta	5 days FDP on "Advanced Research Techniques".Organized by MAKAUT, WB.	8 <sup>th</sup> August-23 <sup>rd</sup> August, 2020
2020-2021	Ms. Anwesha Sengupta	6-day National level online workshop on "Programming Essentials for Mathematics using Python".Organized by CHRIST (Deemed to be University.)	9 <sup>th</sup> August- 14 <sup>th</sup> August,2020
2020-2021	Ms. Anwesha Sengupta	5 Day FDP on Applied Mathematical Skills for Science & Engineering Using Contemporary Tools Organized by MAKAUT, WB, in association with IUST, Jammu & Kashmir.	14 <sup>th</sup> – 18 <sup>th</sup> September, 2020
2020-2021	Ms. Anwesha Sengupta	FDP on "The Art & Craft	2 <sup>nd</sup> -6 <sup>th</sup> Nov, 2020





		of Scientific & Technical writing from A to (almost) Z" Organized by MAKAUT, WB, in association with IUST, Jammu & Kashmir	
2020-2021	Ms. Anwesha Sengupta	FDP on Essential Mathematics for Machine Learning, NPTEL course.	September, 2020- December, 2020
2020-2021	Prof(Dr)Radhaballabh Bhar	Certificate in 'Online teaching' organized by MAKAUT in collaboration with Cambridge Marketing College, UK	Week end program completed on 30 <sup>th</sup> September, 2020.
2020-2021	Prof(Dr)Radhaballabh Bhar	Training on 'Cyber Safety and Security' organized by Cyber Security Centre of Excellence, West Bengal, in Association with Information Security Education and awareness (ISEA), (Program by Ministry of Electronics and Information Technology, Govt. of India.	July 14 – 18, 2020
2020-2021	Prof(Dr) Subhas Chandra Bhattacharya	5 days FDP on 'Current topics and tools of Applied Physics for Science, Engineering and Technology'	12th to 16 <sup>th</sup> October, 2020
2020-2021	Prof. Pranabesh Chakraborty	ROAD TO IT -ENABLED FUTURE PHARMA INDUSTRY	23/02/2021 to 28/02/2021
2020-2021	Prof. Chowdhury Mobaswar Hossain	ROAD TO IT -ENABLED FUTURE PHARMA INDUSTRY	23/02/2021 to 28/02/2021
2020-2021	Dr. Jayanta Chattopadhyay	ROAD TO IT -ENABLED FUTURE PHARMA INDUSTRY	23/02/2021 to 28/02/2021
2020-2021	Dr. Tapas Kumar Pal	ROAD TO IT -ENABLED FUTURE PHARMA INDUSTRY	23/02/2021 to 28/02/2021
2020-2021	Indranil Mukherjee	Financial Markets	23-11-2019 to to 12-01-2020
2020-2021	Indranil Mukherjee	Customer Analytics	09-02-2020 to 07-03-2020





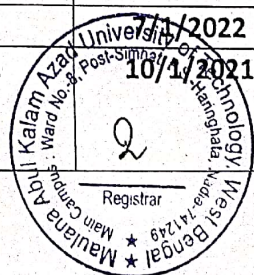
2020-2021	Indranil Mukherjee	Operations Analytics	2020 07-03-2020 to 26-03-2020
2020-2021	Indranil Mukherjee	People Analytics	27-03-2020 to 11-04-2020
2020-2021	Indranil Mukherjee	Accounting Analytics	11-04-2020 to 10-05-2020
2020-2021	Indranil Mukherjee	Business Analytics Capstone	16-05-2020 to 15-06-2020
2020-2021	Indranil Mukherjee	Business Analytics Consolidated	09-02-2020 to 15-06-2020





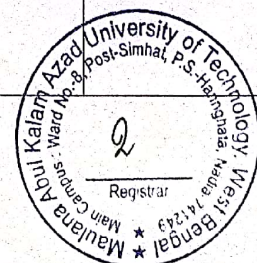
**Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)  
(Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.,)**

Year	Name of teacher who attended the program	Title of the program	Duration (from) (DD-MM-YYYY)	Duration (to) (DD-MM-YYYY)
2021-2022	Dr Debdut Naskar	Online elementary FDP on Application of CRISPR-Cas gene editing tools	2/7/2022	2/11/2022
2021-2022	Dr. Debdut Naskar	New Frontiers of Advancement In Natural and Biological Sciences (Botany, Zoology, Bio-Technology, Microbiology, Environmental Science, Geology, Bio-Chemistry and Any Other Allied Subjects	9/10/2021	9/23/2021
2021-2022	Soumen Kumar Pati	Recent Research Trends in AI/ML and Data Science	7/5/2021	7/10/2021
2021-2022	Dr. Sonia Kundu	EMERGING TRENDS & INNOVATIVE FOOD PACKAGING TECHNOLOGIES IN FOOD INDUSTRIAL PRACTICES	6/19/2021	7/11/2021
2021-2022	Dr. Anju Paul	National Workshop on Starter Culture for Fermented Dairy Products	1/17/2022	1/22/2022
2021-2022	Dr. Anju Paul	Online Training Programme on Functional Fermented Dairy Foods for Management of Health and Disease	2/1/2022	2/3/2022
2021-2022	Sowvik Dey	Research Publication & Ethics (RPE)	12/13/2021	12/17/2021
2021-2022	Totan Ghosh	FDP-SI UHV	6/27/2022	7/1/2022
2021-2022	Krishnendu Maji	FDP-SI UHV	6/27/2022	7/1/2022
2021-2022	Dr. Sriparna Saha	Application of AI, ML and DL in Smart Healthcare	9/27/2021	10/1/2021



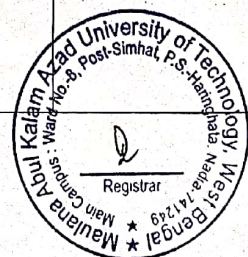


2021-2022	Chittabrata Mal	AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Applications of CRISPR-Cas Gene Editing Tool"	2/7/2022	2/11/2022
2021-2022	Chittabrata Mal	GTN Smorgasbord 2 "Tapas"	3/14/2022	3/18/2022
2021-2022	Chittabrata Mal	FDP on "Frontiers of Biological Research: Challenges and opportunities"	8/13/2021	8/18/2021
2021-2022	Chittabrata Mal	Complete Python Bootcamp	7/1/2021	7/6/2021
2021-2022	Sri Kunal Chowdhury	Electric Vehicle Charging Station	7/2/2021	7/2/2022
2021-2022	Sri Kunal Chowdhury	Hydrogen the Future Fuel	11/26/2021	11/29/2021
2021-2022	Ananta Kumar Das	Internal Auditor(IMS)	1/22/2022	2/13/2022
2021-2022	Ananta Kumar Das	Insight into non-thermal to thermal EOR and Environmental Impact of Modern Petroleum & Chemical Industry	2/26/2022	3/30/2022
2021-2022	Ananta Kumar Das	Insight into non-thermal to thermal EOR and Environmental Impact of Modern Petroleum & Chemical Industry	2/26/2022	3/30/2022
2021-2022	Hridoy Ranjan Bairagya	AICTE Training and Learning (ATAL) Academy Sponsored FACULTY DEVELOPMENT PROGRAM on "Computer Science and Biology: Impact of Bioinformatics and Molecular Biology on Drug Discovery"	10/4/2021	10/8/2021
2021-2022	Atreyee Biswas	Faculty Development Programme on 'Mathematical Biology and Biostatistics'.	7/26/2021	7/30/2021



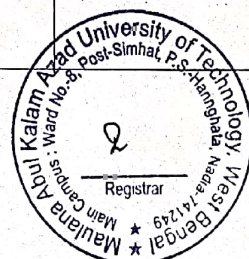


2021-2022	Dr. Atreyee Biswas	One Day State Level Webinar on 'A Brief Survey on selected topics on Real Analysis and Geometry'	7/8/2021	7/8/2021
2021-2022	Dr. Animesh Naskar	Environmental pollution: Laboratory and Testing	1/17/2022	1/28/2022
2021-2022	Dr. Chabita Saha	New Avenues of Emotion Recognition	7/23/2021	8/28/2021
2021-2022	Dr. Chabita Saha	Emerging Nano - Materials for Sustainability	8/30/2021	9/4/2021
2021-2022	Dr. Avijit Duary	Inculcating Universal Human Values in Technical Education	10/18/2021	10/22/2021
2021-2022	Dr. Avijit Duary	Internet of Things (IoT) Application	2/14/2022	2/19/2022
2021-2022	Dr. Banashree Sen	Implementation of Numerical Methods using MATLAB	1/3/2022	1/8/2022
2021-2022	Manik Chandra Das	Statistical Methods in Manufacturing Engineering: Theory and Applications	12/21/2021	12/28/2021
2021-2022	Manik Chandra Das	AICTE-UKIERI further education leadership and management training programme	11/23/2021	11/26/2021
2021-2022	Manik Chandra Das	AICTE-UKIERI further education leadership and management training programme	1/18/2022	1/21/2022
2021-2022	Manik Chandra Das	AICTE-UKIERI further education leadership and management training programme	3/21/2022	3/23/2022
2021-2022	Dr. Hiranmoy Mondal	AICTE QIP sponsored online short-term course	1/3/2022	1/8/2022
2021-2022	Dr. Bivash Mallick	Statistical Methods in Manufacturing Engineering: Theory and Applications	12/21/2021	12/28/2021





2021-2022	Dr. Bivash Mallick	Emerging Trends and Contemporary Tools for Research and Practice In Ergonomics and Safety	3/11/2022	3/15/2022
2021-2022	Dr. Bivash Mallick	Human Factors Engineering In Healthcare Systems	5/16/2022	5/20/2022
2021-2022	Sayantani Saha	FDP on "Application of AI, ML and DL in Smart Healthcare"	9/27/2021	10/1/2021
2021-2022	ANJAN CHOUDHURY	Statistical Method in Manufacturing Engineering: Theory & Application" by Jadavpur University date- 21.12.2021 to 28.12.2021	12/21/2021	12/28/2021
2021-2022	ANJAN CHOUDHURY	Course on " Human Factor Engineering in Health care Systems"	5/16/2022	5/20/2022
2021-2022	Indranil Mukherjee	Fundamentals of Quantitative Modeling	6/20/2020	7/3/2020
2021-2022	Indranil Mukherjee	Introduction to Spreadsheets and Models	7/4/2020	7/20/2020
2021-2022	Indranil Mukherjee	Financial Acumen for Non-Financial Managers	7/21/2020	8/16/2020
2021-2022	Indranil Mukherjee	Introduction to Corporate Finance	8/16/2020	9/23/2020
2021-2022	Indranil Mukherjee	Finance and Quantitative Modeling for Analysts	6/20/2020	23-09-2020
2021-2022	Indranil Mukherjee	Programming for Everybody (Getting started with Python)	10/5/2020	11/6/2020
2021-2022	Indranil Mukherjee	Python Data Structures	11/20/2020	1/6/2021
2021-2022	Indranil Mukherjee	Practical Time Series Analysis	1/11/2021	03-05-2021
2021-2022	Joy Samadder	International Faculty Development Programme (FDP) on "The Art of Doing Research"	7/12/2021	7/22/2021

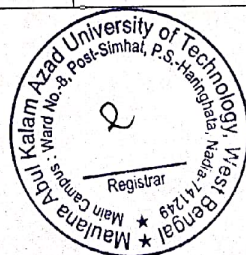


2017-2018	Prof. Debashis De	Workshop on Data Science with R under TEQIP-III, 23rd -29th, March 2018	23rd -29th, March 2018
2018-2019	50 members	NBA/NAAC workshop was organised under TEQIP III, Jan 03-07, 2019	Jan 03-07, 2019
2017-2018	Prof. Debashis De	1-week workshop on Data Science with R, jointly organized by MAKAUT, WB and IUST from March 23-29, 2018) held at Government College of Engineering and Ceramic Technology, Kolkata)	from March 23-29, 2018)
2018-2019	DR. RINA RANI RAY	ONLINE COURSE	
2018-2019	DR. DEBDUT NASKAR	ONLINE COURSE	
2018-2019	Dr. Debasis Giri	Workshop on Cyber Security at Chennai	
2018-2019	Dr. Debdut Naskar	NUTR104x: Nutrition and Health: Human Microbiome (online course)	
2018-2019	5 members	5 day workshop on Cryptography and Cyber Security	Feb 12-Feb 16, 2019

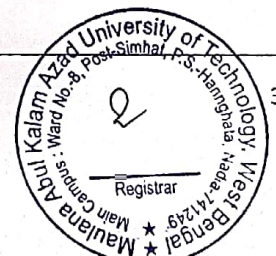




2019-2020	4 members	A Twinning activities with IUST, J&K under TEQIP-III, 25th -29th Sep, 2019	25th -29th Sep, 2019
2019-2020	8 members	A workshop on Smart Sensor and IOT under TEQIP-III, 21st-25th October, 2019	21st-25th October, 2019
2019-2020	Dr. Saikat Basu	REGISTRATION FEES FOR COURSE	
2019-2020	Dr. Debdut Naskar	FDP from NPTEL	
2019-2020	6 members	ISEA Project Phase II sponsored Faculty Development Program on Cyber Forensics, 10th-14th Feb, 2020	10th-14th Feb, 2020
2019-2020	5 members	Training program on python under TEQIP-III, 17th-21st Feb, 2020	17th-21st Feb, 2020
2019-2020	4 members	Workshop on Data Science and Big data Analytics under TEQIP-III, 13-17th January 2020	13-17th January 2020
2020-2021	6 members	Faculty Development program on 'Applied Mathematical Skills for Science and Engineering using contemporary tools' was held during 14-18 September 2020 by Prof (Dr) Sukhendu Samajdar.	14-18 September 2020
2020-2021	10 members	5-day Workshop on Cloud, IoT and Data Science was held during 18 - 22 September 2020.	18 - 22 September 2020.
2020-2021	9 members	Workshop on Cryptology was held during 15-19 September 2020.	15-19 September 2020.
2020-2021	10 members	Workshop on Robotics was held during 29 Aug 2020 - 2 Sept 2020.	29 Aug 2020 - 2 Sept 2020.



2020-2021	5 members	FDP on digital forensic & ethical hacking was conducted during 16-20 September 2020.	16-20 September 2020.
2020-2021	7 members	FDP on Trends in Bio-Technology was conducted during 15-19 September 2020.	15-19 September 2020.
2020-2021	5 members	FDP on COMPUTATIONAL TECHNIQUES IN CHEMISTRY & MATERIALS SCIENCE – HOW TO USE CONTEMPORARY SOFTWARE TOOLS was conducted during September 2020.	September 2020.
2020-2021	7 members	FDP program of Intelligent Computing was conducted during 11 <sup>th</sup> – 15 <sup>th</sup> September 2020.	11 <sup>th</sup> – 15 <sup>th</sup> September 2020.
2020-2021	4 members	Workshop on “An introduction to computational biology with R” was conducted during 21 <sup>st</sup> – 25 <sup>th</sup> September 2020.	21 <sup>st</sup> – 25 <sup>th</sup> September 2020.
2020-2021	10 members	5-days Workshop “Challenges in Cyber Security and Cyber Crime” was conducted during November 22-26, 2020.	November 22-26, 2020.
2020-2021	8 members	5 days FDP of “Scope and Opportunities of Analog VLSI Design in Industry and Academia: Concepts to Full Custom Chip Design” which was conducted from 21/09/2020 to 25/09/2020.	21/09/2020 to 25/09/2020.





2020-2021	5 members	5 days workshop on Next Generation Big Data biology for futuristic research was conducted during last week of September 2020.	September 2020.
2020-2021	10 members	FDP on "The Art and Craft of Scientific & Technical writing From A to (Almost) Z." was conducted during September 2020 and total expenses were incurred Rs. 26000/-	September 2020
2021-2022	Dr. Animesh Naskar	National Workshop on Maintenance and Servicing of Analytical & Laboratory Instruments, dated from 18th July to 22nd July 2022, organised by the Department of Applied Physics, MAKAUT	

