Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL**
Name of the head of the Institution	**Prof.(Dr.) Saikat Maitra**
Designation	**Vice Chancellor**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**03323341014**
Mobile no.	**9831130882**
Registered Email	**vc@wbut.ac.in**
Alternate Email	**registrar@wbut.ac.in**
Address	**Maulana Abul Kalam Azad University of Technology, West Bengal Main Campus: NH-12, Simhat, Haringhata, Nadia Pin: 741249 Kolkata Office: BF-142, Sector One, Salt Lake City Kolkata:700064**
City/Town	**Haringhata**
State/UT	**West Bengal**

Pincode	**741249**

2. Institutional Status

University	**State**
Type of Institution	**Co-education**
Location	**Semi-urban**
Financial Status	**state**
Name of the IQAC co-ordinator/Director	**Dr. Somdatta Chakravortty**
Phone no/Alternate Phone no.	**03323341014**
Mobile no.	**9433897685**
Registered Email	**iqac.makautwb@gmail.com**
Alternate Email	**csomdatta@rediffmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://makautwb.ac.in/iqac/AQAR_MAKAUTWB_2017-18.pdf

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://makautwb.ac.in/page.php?id=229

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B++**	**2.87**	**2017**	**27-Nov-2017**	**26-Nov-2022**

6. Date of Establishment of IQAC	**18-Mar-2014**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by	Date & Duration	Number of participants/ beneficiaries

IQAC		

No Data Entered/Not Applicable!!!		

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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
MAKAUT WB(University)	RUSA 2.0	MHRD	2018 1825	200000000
MAKAUT WB(University)	TEQIP-III	World Bank	2017 1025	300000000
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View File]()
10. Number of IQAC meetings held during the year :	**4**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	[View File]()
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

12. Significant contributions made by IQAC during the current year(maximum five bullets)

The Quarterly Online Journal named "Tech Vistas" was launched on 3rd November, 2018 Launch of University News Letter "Vibrance"

Virtual Labs implemented in Practical Sessions ; Workshops, Faculty Development Programmes and Seminars have been organised in the session;

The University Departments of Computer Science and Engineering, Information Technology and Biotechnology have applied for NBA accreditation for its programs

Identification of students for Startup and Entrepreneurship after inviting proposals

Implementation of Digital Forums for specialized subjects; Incorporation of new

Degree, Diploma and Certification Courses on cutting edge technologies in the 2019-20

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
Development of Smart Classrooms in each Department	Twelve Smart Classrooms have been developed
Design of Faculty Appraisal System	Faculty Appraisal System has been designed
Development of modern labs	Robotics lab, Three D Printing lab, Augmented Reality-Virtual Reality lab, Modern Language Lab eveloped
Conducting Workshops and Seminars at regular intervals	Workshops, Faculty Development Programmes and Seminars on Cryptography & Cybersecurity, Machine Learning, Digital Pedagogy, Food Technology etc. has been organised in the session
Promotion of Interdisciplinary departmental research	Research projects with collaboration between Departments of Computer Science & Engineering and Biotechnology, Information Technology and Natural Sciences, Management has been fructified
Timely evaluation of answerscripts to publish results on time	Digital evaluation of answerscripts
Financial Support to faculty members to carry out research	University gives one lakh seed grant to young faculty members to carry out research
Encourage faculty members to patent innovative work	University gives five lakh to each department to carry out expenses related to patent activities
Encourage Digital Pedagogy amongst faculty members	Formation of Centre for Digital Pedagogy, Workshop on Digital Pedagogy, Practiced by all faculty members of the University in teaching-learning
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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Executive Committee Meeting	27-Sep-2019

15. Whether NAAC/or any other accredited

No

body(s) visited IQAC or interacted with it to assess the functioning ?	
16. Whether institutional data submitted to AISHE:	**Yes**
Year of Submission	**2019**
Date of Submission	**13-Feb-2019**
17. Does the Institution have Management Information System ?	**Yes**
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**Modules presently operation: 1. Financial Management System 2. Examination Management System 3. Registration Management System 4. Library Management System 5. Admission Management System 6. Faculty Appraisal System**

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
Mtech	**132**	**Industrial Engineering and Management**	**23/07/2018**
Mtech	**610**	**Biotechnology**	**11/09/2018**
BTech	**001**	**Computer Science and Engineering**	**09/07/2018**
BTech	**002**	**Information Technology**	**09/07/2018**
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
ME	**Information Technology**	**15/07/2018**	**PGIT 302**	**15/07/2018**
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
Mtech	**Material Science and**	**09/07/2018**

	Technology	
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Computer Science and Engineering	01/07/2018
BTech	Information Technology	01/07/2018
Mtech	Computer Science and Engineering	01/07/2018
Mtech	Software Engineering	01/07/2018
Mtech	Information Technology	01/07/2018
Mtech	Industrial Engineering and Management	01/07/2018
Mtech	Microelectronics and VLSI Technology	01/07/2018
Mtech	Bioinformatics	01/07/2018
Mtech	Biotechnology	01/07/2018
MSc	Molecular Biology	01/07/2018
MSc	Microbiology	01/07/2018
MSc	Genetics	01/07/2018
Mtech	Computer Science (Information Security)	01/07/2018
Mtech	Material Science and Technology	01/07/2018

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
No Data Entered/Not Applicable !!!		
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Information Technology	40
BTech	Computer Science & Engineering	40
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes

Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
The university has a wellestablished feedback system that aims at improving the teaching learning process and providing a continuous support to students for their allround development. They are: a. Course Monitoring b. Student Opinion poll c. Course exit survey d. Information from mentors e. Interaction of the Head of the Department. f. Graduate Exit Survey g. Alumni opinion h. Parents meeting a. Course Monitoring: Course monitoring is an exercise to check with students during the semester about any problems in instruction and coverage of syllabus in each course, and also about any other problems of facilities like canteen, library etc.The committee consisting of HOD and a senior faculty member visit each class, once after 6 weeks after the start of the semester and in the 11th or 12th week to get feedback. Students are asked about the level of satisfaction in instructions by the course instructors in subjects. In such subjects, they are asked to mention the specific problems, and their opinion, in terms of percentage of students, is also collected. General opinion on facilities like library, canteen is also obtained in each visit. Action: In the first visit, if most of the students opine that instruction is poor in one or more subjects, HOD issues a letter to the concerned teacher about the feedback and the need to improve in specific areas. HOD again takes feedback from the class after 5 or 6 periods. If students are still not satisfied, the teacher is changed for that subject. After each visit, teachers with unsatisfactory feedback are counselled. If the complaint is of a minor nature, like low voice or solving few problems, the teacher is counselled. If instruction is poor, a letter is issued mentioning the aspects to improve. For problems regarding facilities, HOD brings to the notice of the incharge of the facility or Principal when necessary.students. Course End Survey: After the end of every semester, feedback is taken for individual subjects in the form of Course End Survey with respect to their course Graduate Exit Survey: In the final semester i.e. 8th semester, exit survey is conducted and feedback is taken from the passing out students. Achievement Alumni Survey: Alumni Survey is conducted and feedback is taken from students who have graduated within the 34 years from the current academic year Employer Survey: Students who has undergone vocational/summer training and internship in the industries as well as who got the jobs in the industry students.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	Computer Science and Engineering	56	42	42
BTech	Information Technology	56	41	41
Mtech	Computer Science and Engineering	27	21	21

Mtech	Software Engineering	27	3	3
Mtech	Information Technology	27	9	9
Mtech	Industrial Engineering and Management	27	12	12
Mtech	Microelectronics and VLSI Technology	27	11	11
Mtech	Bioinformatics	27	3	3
Mtech	Biotechnology	27	11	11
Mtech	Material Science and Technology	23	3	3
MSc	Molecular Biology	10	2	2
MSc	Microbiology	15	13	13
MSc	Genetics	10	5	5
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	83	93	5	10	17

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Toolsand resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
35	25	5	20	12	10

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Yes. The University has initiated mentoring in its curriculum and assigned SPOCs for mentorship in the affiliated Institutions. The assigned mentors are required to upload details of mentorship to the University as follows: ? Student Attendance ? List of Students attached with Faculties. ? Any Unusual Behaviour. ? Participation in OutReach Programme ? Effort for Career Development Programme ? What are you currently doing well that's helping you get there? ? What are you not doing well that's preventing you from getting there? ? What can you do differently to overcome those challenges? ? Where do you need the most help? ? Communication Pattern

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
421	35	12.02

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
49	32	17	11	27

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Prof. Saikat Maitra	Vice Chancellor	S.S. Bhatnagar Memorial award for the year 20182019 for his contribution in research in the field of Chemical Engineering and Technology in the Indian Science Congress
2018	Prof. Sriyankar Acharya	Professor	Shikharatna by Govt. of West Bengal on his contribution to teachinglearning
2018	Prof. Debasish De	Professor	Best Research Paper Award, IET, UK
2018	Dr. Ranjita Biswas	Associate Professor	Ramalingaswamy Fellowship,from DBT
2018	Dr. Debdut Naskar	Assistant Professor	DST INSPIRE Fellowship

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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	001,002	2,4,6,8	18/06/2019	31/07/2019
Mtech	612,113,614,132,136,610,109,153,150	2,4	18/06/2019	22/08/2019
MSc	280,852,993	2,4	18/06/2019	22/08/2019

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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
No Data Entered/Not Applicable !!!		

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

https://makautwb.ac.in/page.php?id=314

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
001	BTech	Computer Science and Engineering	30	26	87
002	BTech	Information Technology	22	19	86
109	Mtech	Bioinformatics	2	2	100
113	Mtech	Software Engineering	4	3	75
132	Mtech	Industrial Engineering and Management	17	16	94
136	Mtech	Microelectronics and VLSI Technology	14	14	100
153	Mtech	Computer Science (Information Security)	8	8	100
610	Mtech	Biotechnology	6	6	100
612	Mtech	Computer Science and Engineering	14	13	93
614	Mtech	Information Technology	11	9	82
280	MSc	Molecular Biology	1	1	100
852	MSc	Microbiology	11	11	100
993	MSc	Genetics	5	4	80
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

No Data Entered/Not Applicable !!!

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	Ranjita Biswas	DBTRamalingaswami Fellowship	26/03/2019	DBT
National	Debdut Naskar	DSTInspire Faculty fellowship	01/11/2018	DST
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3.1.2 – Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of the fellowship	Funding Agency
Research Associate	1095	TEQIPIII
Junior Research Fellow	1095	MHRDFAST
Junior Research Fellow	1095	DST
Senior Research Fellow	730	DST
Senior Research Fellow	730	S T and DBT (GoWB)
Post Doctoral Fellow	730	NPDFSERB
Post Doctoral Fellow	730	DBTBIF
Research Associate	1095	TEQIPIII
Research Associate	1095	TEQIPIII
Research Associate	1095	TEQIPIII
Research Associate	1095	TEQIPIII
Research Associate	1095	TEQIPIII
Research Associate	1095	TEQIPIII
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Research Associate	1095	TEQIPIII
Research Associate	1095	TEQIPIII
Research Associate	1095	TEQIPIII
Research Associate	1095	TEQIPIII
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3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	1825	DeitY	112	18
Major Projects	1825	MHRD	250	50
Major Projects	1825	DST Inspire faculty	35	7
Major Projects	1825	DBT Ramalingaswami Fellowship	88	12.55
Major Projects	1460	DST	35.02	10.74
Minor Projects	730	DSTWB	5.4	2.94
Minor Projects	1095	DBTWB	19.94	7.67
Interdisciplinary Projects	1095	DSTWB	17.12	8

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3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Workshop in Intellectual Property Rights	EKTA Incubation Centre, MAKAUT	14/03/2019
Seminar on Building Entrepreneurs	EKTA Incubation Centre, MAKAUT	07/12/2018
Faculty and Executive Development Program and Training on State of the Art Practices and Software Tools	School of Computational Sciences	28/09/2018

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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
No Data Entered/Not Applicable !!!				

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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
EKTA Incubation Centre	EKTA Incubation Centre	DST, GOI and University	XESP	Development of Electronic products	13/09/2018

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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Biotechnology	3
Bioinformatics	1
Computer Science and Engineering	3

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Biotechnology	11	1.98
International	Bioinformatics	4	3.0
International	Computer Science and Engineering	5	5.0
International	Information Technology	8	3.3
International	Natural and Applied Sciences	13	1.25

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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Bioinformatics	3
Computer Science and Engineering	17
Information Technology	2

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3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
No Data Entered/Not Applicable !!!			

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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
No Data Entered/Not Applicable !!!						

[View File](#)

3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
No Data Entered/Not Applicable !!!						

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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	8	8	4	0
Resource persons	9	3	0	7
Presented papers	20	9	0	3
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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
No Data Entered/Not Applicable !!!			
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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
No Data Entered/Not Applicable !!!				
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3.6 – Extension Activities

3.6.1 – Number of 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 the year

Title of the activities	Organising unit/agency/collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Blood Donation Camp	NSS Unit, MAKAUT, WB	30	59
Tree Plantation	NSS Unit, MAKAUT, WB	34	98
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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
No Data Entered/Not Applicable !!!			
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3.6.3 – 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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
No Data Entered/Not Applicable !!!				

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3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
No Data Entered/Not Applicable !!!			
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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
No Data Entered/Not Applicable !!!					
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3.7.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Tannessee State University, USA	09/11/2018	Academic Research and Cooperation	10
Administrative Training Institute	13/12/2018	To strengthen technical cooperation through sharing experience, best practices through knowledge in the area of capacity building of Civil Servants	5
WEBEL INFORMATICS LIMITED (A Govt. of West Bengal Undertaking)	31/12/2018	Collaboration in Training Skill Building to reach out further in the District to the aspirant youth of the state with enhanced curriculum, quality of training , Assessment and Certification.	10
Merchants Chamber of Commerce	03/01/2019	Provide all the support, assistance to MAKAUT and its affiliated colleges intending to run all the accademic	30

		courses in their respective campuses .	
West Bengal Electronics Industry Development Corporatipon (WBEIDC)	29/01/2019	Plan, Propose , Implement and Administer all ICT inventions of MAKAUT to create an environment for best in standard teaching / learning experience with Cutting egde ICT technology infrastructure	15
Trinnect Ltd., UK,	02/02/2019	PG Diploma in Health Informatics and Telemedicine for 1 year PG Diploma/PG Certificate in Health Informatics and Telemedicine, Post Graduate (PG) Diploma in Digital Marketing	15
Cambridge Marketing College, UK	21/02/2019	PG Diploma in Digital Marketing for 1 year Certificate programme in Digital Marketing for 6 months	10
Aunwesha Knowledge Technologies Private Ltd	22/02/2019	PG Diploma in New and Emerging Technologies for 1 year PG Certificate in New and Emerging Technologies for 6 months Certificate programme in Soft Skills for 3 months	17
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
61095000	257877882

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Newly Added

Class rooms	Newly Added
Laboratories	Newly Added
Seminar Halls	Newly Added
Classrooms with LCD facilities	Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added
Seminar halls with ICT facilities	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Video Centre	Newly Added
Others	Newly Added

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
KOHA	Fully	Latest	2005

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	14326	8617200	2444	733200	16770	9350400
Reference Books	2670	2536500	1850	1572500	4520	4109000
e-Books	10307	9288370	0	0	10307	9288370
Journals	0	0	0	0	0	0
e-Journals	0	0	0	0	0	0
Digital Database	0	0	0	0	0	0
CD & Video	863	0	153	0	1016	0
Library Automation	1	1	1	1	2	2
Weeding (hard & soft)	0	0	0	0	0	0
Others(specify)	1	713055	0	0	1	713055
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4.2.3 – 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	Platformon which module is developed	Date of launching e-content
No Data Entered/Not Applicable !!!			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
Existing	250	7	1	2	1	6	8	150	0
Added	100	0	1	0	0	1	0	850	0
Total	350	7	2	2	1	7	8	1000	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

<div align="center">1 MBPS/ GBPS</div>

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
No Data Entered/Not Applicable !!!	

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
146226000	178742022	141063409	4517232

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

<div align="center">All such information is availablein the university website.</div>

<div align="center">https://makautwb.ac.in</div>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	TEQIP	10	3691200
Financial Support from Other Sources			
a) National	DBT(CENTRAL AND STATE GOVERNMENT),AICTE Scholarship	26	4958400
b)International	0	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Mentoring	01/08/2018	204	Departmental Faculties
Yoga	06/08/2018	195	Yoga Instructors
Bridge Courses	01/08/2018	204	Members of Faculty of Department
No file uploaded.			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	GATE	21	31	11	11
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
5	5	7

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
No Data Entered/Not Applicable !!!					
View File					

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	1	M.TECH in Biotechnology	Biotechnology	IIT,KGP	PhD
2019	1	M.TECH in Biotechnology	Biotechnology	MAKAUT,WB	RESEARCH PROJECT
2019	1	M.TECH in INDUSTRIAL ENGINEERING &MANAGEMENT	INDUSTRIAL ENGINEERING &MANAGEMENT	IIT,KGP	PhD

| 2019 | 7 | B.Tech in Information Technology | Information Technology | IITs, Jadavpur University, Calcutta University, IIEST, Sibpur etc. | M.Tech in Information Technology/Computer Science & Engineering |
| 2019 | 10 | B.Tech in Computer Science & Engineering | Computer Science & Engineering | IITs, Jadavpur University, Calcutta University, IIEST, Sibpur etc. | M.Tech in Computer Science & Engineering |

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	11

<div align="center">No file uploaded.</div>

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
ANNUAL ATHLETICS MEET	INSTITUTIONAL	150
NATIONAL SCIENCE DAY	INSTITUTIONAL	200
RABINDRAJAYANTI	INSTITUTIONAL	100

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5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	0	National	0	0	0	0

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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

1. No Student Council 2. Antiragging Committee Students representative [2 from 1st year B. Tech, 2 from 2nd year B. Tech, 1 from 3rd year B. Tech, 1 each from M.Tech 1st year 2nd year] 3. Internal Complaints Committee(ICC): Three student Nominees (If the matter involves students) 4. Grievance Redressal: Students Representative(Special Invitee)

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Name of the society : MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY ALUMNI ASSOCIATION The association currently focusses on the following objectives: i)

To arrange for smooth management and administration of the association progressively and to keep the organization in development activities for the betterment of the university. ii) To try to maintain good relation between the members of the organization and Exstudents, students and management of the university in all respect. iii)To bring together all former students of the university in order to maintain contact each other. iv)To provide opportunities for interaction between past and present students of the university. v) To arrange and organize social and cultural functions for the entertainment and benefit of members and other local people. vi) To build an inseparable bond among teachers, nonteaching, governing body, student and ex students.

5.4.2 – No. of registered Alumni:

442

5.4.3 – Alumni contribution during the year (in Rupees) :

0

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni Meet2019 (30/03/2019)

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

1. The University has set up a number of different Schools of Study, viz. School of Computational Sciences, School of Engineering Sciences, School of Biological Sciences, School of Management Sciences, School of Natural and Applied Sciences and School of Renewable Energy as well as a number of Departments and Centres under these Schools. These Schools have been given full functional autonomy and also financial autonomy to a certain extent. It is proposed to allow these Schools, as well as the Departments under them to draw up their syllabi, prepare the question papers and conduct the examinations as well. The Controller of Examinations Section, while providing support to these Schools, in no way interferes with their functioning. The teachinglearning process has thus been made completely decentralized in character. This will be of immense help to the University Departments in gaining accreditation from the different regulatory authorities. 2. The University convenes meetings of its different statutory bodies, viz. the Executive Council, the Academic Council, the Finance Committee etc. at regular intervals for detailed deliberations regarding different academic and administrative issues and approval of the decisions to be implemented by the executive management of the University. If some decision needs to be taken and implemented under conditions of exigency, postfacto approval is sought from these statutory committees. In these meetings, apart from the regular members other stakeholders are often requested to attend as invitees for offering their views. All such suggestions are considered before arriving at any decision and its subsequent implementation. This makes the decision making process transparent and leads to a sense of belonging among the different stakeholders of the University. 3. The University has constituted a number of different Councils such as the Inspection Council. Examinations Council, Registration Council, Finance Council etc. to help the different functional administrative departments of the University. This makes the decision making and implementation process more broad based and representative and provides a sense of equity and better direction to the stakeholders of this public institution.

6.1.2 – Does the institution have a Management Information System (MIS)?

Partial	

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Teaching and Learning	1. Academic Calendar is framed and is strictly adhered. 2. Smart Class rooms in academic departments are currently existing. 3. Use of modern methods of teaching are in vogue (lectures supported by teaching aids, computer projection, demonstration, live modelling, peertutoring, collaborative learning, flipped learning, and the use of learning management system are being regularly practiced). 4. The campus is fully WiFi enabled. 5. Virtual Labs in several academic departments have started exposing the students in cuttingedge and / emerging subjects through Virtual Labs / Workshops. 6. Exposing students for outdoor learning through educational trips, excursions, camps, exhibitions etc. 7. Motivating and encouraging students for research activities.
Curriculum Development	1. Respective BOS considers the proposed curriculum and syllabi. Following deliberations, the different Board of Studies recommend the syllabi and the recommended syllabi are thereafter placed before the Academic Council for consideration and approval with or without modification. 2. Acceptance of all revised curricula by the Executive Council. 3. In all cases the opinions of Industry Experts, alumnae and students' are taken into account in designing the curricula. 4. Feedback on curriculum development are taken from different stakeholders of higher education on a regular basis.
Examination and Evaluation	1. Evaluation is done under centralized control. 2. Digital Evaluation of answer scripts will be extended to UG courses after successful implementation of the same in the PG courses during 201819. 3. University is in the process of improving the quality of the question banks and assignment of the banks for the purpose of creating learningcentric environment for the student. 4. All records related to examination, certificates etc. have been digitized. 5. Transparency is maintained in the entire evaluation

	process and the students have been given opportunity to review their examination papers. Evaluated answer scripts are shown to the respective students against RTI application.
Human Resource Management	1. Institute has an established mechanism of Employment for substantive posts through website / leading dailies followed by interviews. The institution recruits faculty member and staff based on the guidelines provided by UGC regulations and the State Government orders. Recruited faculties are deputed to undergo faculty development program to enhance the Teaching Learning quality. 2. In addition, value addition to academic and research is done through value added courses, seminars, workshops, colloquium and symposia of national and international levels. Academic luminaries in different fields are invited to deliver talks. 3. Teachers also get exposure through faculty development programs conducted under programs, viz. TEQIP project.
Research and Development	1. Six nodal centers for promotion of research has been established by MAKAUT in its affiliated colleges, located across the state. 2. University has developed a research pool for the promotion of research involving the affiliated colleges. 3. Interdisciplinary research is actively encouraged. 4. Yearly assessment of faculty is being done on the basis of publication in International peer reviewed journals, having good Impact Factors, Patents and Copyright of innovative work, and quality of research. 5. Existence of wellequipped laboratories with digital library facilities, individual computational system, and WiFi connection. 6. University encourages students to undertake industry sponsored projects and present technical papers in appropriate forums.
Library, ICT and Physical Infrastructure / Instrumentation	1. Library is wellequipped with good numbers and titles of books, periodicals and digital resources with reprographic facilities. 2. Library management systems, like Libsys etc. are used. 3. A fully WiFi enabled campus. 4. 10 Mbps (INFLIBNET) and 1 GBPS NKN Internet and 1 GBPS NKN internal band width is available in the library. 5. University has

	wellfurnished seminar halls with modern presentation facilities 6. University has adequate facilities for physically challenged students and also for sports, games (indoor/ outdoor, yoga, gymnasium) and cultural activities. 7. University has adequate hostel accommodation for UG, PG and Ph.D level students.
Industry Interaction / Collaboration	1. University collaborates with various national and international Institutes / Universities. 2. University has introduced industry relevant programmes in association with leading industries through tieups. Industry officials visit the campus to conduct seminars/workshops and also take active participation in the various processes. These activities have academically benefited our teachers/students to understand and learn new cutting edge technologies and current market trends. 3. Students are encouraged to take up industry sponsored projects and industry experts are invited for academic activities. 4. University has signed MOU during the last academic year with Islamic University of Science and Technology (JK), PRSI, BCC, etc.
Admission of Students	1. All admission Notification is issued in leading newspapers and also announced in the University website, through Information Brochure and webpage information. 2. Admission into B.Tech programmes is through the WBJEE Board and other courses through PGET/CET/WBJEE/JEMAT as per AICTE /State Government /UGC norms as the case may be. 3. Admission to all UG and PG programmes are strictly based on merit and adhering to all National and State Policy on reservations. 4. Admission to Ph.D. programme is as per UGC Guidelines. 5. Transparency is maintained at all levels of admission.

6.2.2 – Implementation of e-governance in areas of operations:

E-governace area	Details
Planning and Development	Yes. A perspective plan is being drawn to serve as a Road Map of the University to thrive in the new campus in the coming years.
Administration	Yes. All Administrative activities pertaining to statutory and nonstatutory bodies are carried out digitally.

Finance and Accounts	Yes. ERP system is already in vogue.
Student Admission and Support	Yes. 1. All admission Notification is issued in leading newspapers and also announced in the University website, through Information Brochure and webpage information. 2. All admission related activities, fees, announcement of examinations, etc. are announced through website.
Examination	Yes. 1. All records related to examination, certificates etc. have been digitized. 2. Digital Evaluation of answer scripts have been extended to UG level also.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of 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
2019	RABI DEYASHI	INTERNSHIP DURING 05TH JANUARY 2019 – 24TH JANUARY 2019 AT IIT GUWAHATI	TEQIP III	6120
2019	ANIRBAN PURKAIT	INTERNSHIP DURING 05TH JANUARY 2019 – 24TH JANUARY 2019 AT IIT GUWAHATI	TEQIP III	6120
2019	SOUMYA DAS	INTERNSHIP DURING 27TH DECEMBER 2018 – 24TH JANUARY 2019 AT NIT ROURKELA	TEQIP III	5390
2019	AMITAVA MITRA	INTERNSHIP DURING 27th DECEMBER 2018 – 24th JANUARY 2019 AT NIT ROURKELA	TEQIP III	5340
2018	PINAK ROY CHOWDHURY	SUMMER RESEARCH INTERNSHIP EXPENSES DURING 04TH JUNE 201815TH JULY 2018 AT IIITM GWALIOR.	TEQIP III	4390
2018	DR. DEBASHIS DE	PAPER	TEQIP III	4165

		PRESENTATION IN CONFERENCE (IEEE EDKCON 2018)		
2018	SANJUKTA MITRA	PAPER PRESENTATION IN CONFERENCE (IEEE EDKCON 2018)	TEQIP III	4165
2018	TANAYA PAUL (Research Assistants)	7th International Conference on 'Computing, Communication and Sensor Networks' IN KOLKATA , 27 th – 28 th October, 2018	TEQIP III	6750
2018	DR. DEBASIS GIRI	REIMBURSEMENT OF CHARGES FOR PAPER PUBLICATION IN IEEE	TEQIP III	36819
2018	SADIP MIDYA (Research Assistants)	PAPER PRESENTATION IN THE 4TH INTERNATIONAL CONFERENCE IN KOLKATA, 20th – 22nd November, 2018	TEQIP III	8500
2018	DR. TAPAS GHOSH	ATTENDING TEQIP III SHORT TERM COUSE AT IIT KHARAGPUR	TEQIP III	372
2018	ASHMITA ROY (Research Assistants)	TWO PAPER PRESENTATION IN THE 4TH INTERNATIONAL CONFERENCE, 20th – 22nd November, 2018	TEQIP III	17000
2019	DEEPSUBHRA GUHA ROY (Research Assistants)	INTERNATIONAL CONFERENCE AT DELHI URSI ASIA PACIFIC RADIO SCIENCE CONFERENCE DURING 9TH 15TH MARCH, 2019	TEQIP III	36028
2019	ISHITA BHAKTA (Research Assistants)	TO ATTEND THE 2ND INTERNATIONAL CONFERENCE AT	TEQIP III	5000

| 2019 | DR. SANTANU PHADIKAR | PAPER FOR PRESENTATION AND PARTICIPATION AT THE ICRCICN2018 | TEQIP III | 8500 |

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6.3.2 – Number of professional development / administrative training programmes organized by the University for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	One week TEQIP III sponsored workshop on NBA NAAC Accre ditation		03/01/2019	07/01/2019	50	0

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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
One week ISEA Project Phase II Faculty Development Program on "Cyber Security	50	28/01/2019	01/02/2019	7
One week ISEA Project Phase II Faculty Development Program on "Cryptography and Cyber Security"	50	25/03/2019	29/03/2019	6
Two weeks Short Term Training Programme on "IP Networking"	1	01/10/2018	12/10/2018	7
Global Blockchain	2	18/10/2018	19/10/2018	7

Congress "Consensus 2018"				
Workshop on "SAS Programming SAS Predictive Modelling" conducted by Institute of Business Management in collaboration with HandsOn System	1	16/11/2018	17/11/2018	6
Faculty and Executive Development programme on "Modern International and Digital Marketing: Practices and Software Toolsa Global Vision" organized by Cambridge Marketing College, UK and Maulana Abul Kalam University of Technology, West Bengal	80	28/09/2018	30/09/2018	8
Workshop on Intellectual Property Rights	100	14/03/2019	14/03/2019	8
Workshop on Machine Learning with Python: A Deep Learning Approach	70	25/03/2019	29/03/2019	8
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
32	16	47	68

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Mediclaim Policy,	Mediclaim Policy,	Students Health Home,

| Accident Insurance Policy | Accident Insurance Policy | Students Development Fund |

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

1. The Finance Department of the university follows total cash less policy with respect to receipts and payments of the university. The university makes 100 payments through bank transfer/checks and receives fees from the students and colleges through Bank Payment Gateways/POS/Paytm. 2. The Final Accounts of the university has been completed upto the Financial Year 201819 and the Local Audit Department of the PAG has submitted their Inspection Report up to Financial Year 201718. They will be requested to update the audit of the Final Accounts for the year 201819 soon through proper channel. The funds of the university are also being managed as per Govt. Norms and directions of the Finance Committee and Executive Council of the university as modified from time to time. 3. The university took appropriate measures to fully utilise the RUSA and UGC 12th Plan Grants in the best interest of the university. The Project/Programme funds received from different funding agencies are kept with respective project bank accounts to ensure efficient project management.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Nil	0	Not applicable
No file uploaded.		

6.4.3 – Total corpus fund generated

182563686

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Experts from neighboring academic institutes / state universities of national repute	Yes	Directors of Schools and Heads of Departments
Administrative	Yes	Administrative Experts outside the University	Yes	Senior Officers of the University

6.5.2 – What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)

1. During physical inspection of the colleges / institutes, different departments of the colleges are encouraged to frame syllabi independently for onward transmission of the same to the university. Hence Institutions are able to exercise independent judgement in such matters. 2. During university examination, Head of the Institutions are assigned / entrusted with responsibilities of CentreInCharge / OfficerInCharge of the examination and thereby enabling the Institution to conduct the examination. 3. On verification of the accounts during inspection, the aspect of the financial autonomy

exercised by the Head of the institutions other administrative officers are also taken into care. 4. In different academic forums of the university, like EC (Executive Council), General Council (GC), Academic Council (AC) of the university, the college teachers along with their principals actively take part in policy making decisions during which they get acquainted with the concept of autonomy.

6.5.3 – Activities and support from the Parent – Teacher Association (at least three)

1. The ParentTeacher Association plays a vital role at the time of admission of the students. Ragging is one of the vital issues taken up as a matter of concern. 2. The parents are periodically provided feedback about their wards. It is a major responsibility of the ParentTeacher Association to maintain a balance between their children's personal and professional lives in the competitive environment of learning. 3. The department interacts with the parents on regular basis regarding regularity in the attendances and improvement of performances of their wards.

6.5.4 – Development programmes for support staff (at least three)

1. University encourages the support staff to participate /attend cultural programmes sports, games (indoor/ outdoor, yoga, gymnasium). 2. NonTeaching and Support staff are encouraged to pursue their higher studies by granting leave. 3. NonTeaching and Support staff are deployed in various training programme/ orientation programme.

6.5.5 – Post Accreditation initiative(s) (mention at least three)

1. Filling up of vacant teaching and nonteaching posts. 2. Establishing smart classrooms in the new campus and setting up of new experiments in the newly refurbished laboratories. 3. Arranging seed money for research to new faculty members.

6.5.6 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	No
d)NBA or any other quality audit	Yes

6.5.7 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Seminar on Research Methodology	21/07/2018	21/07/2018	21/07/2018	56
2018	Seminar on India's Contribution to World Peace	18/09/2018	18/09/2018	18/09/2018	100
2018	FACULTY AND EXECUTIVE DEVELOPMENT PROGRAM Training on stateofthe art	28/09/2018	28/09/2018	30/09/2018	80

	practices and software tools				
2018	Seminar ON Building Entrepreneurs	07/12/2018	07/12/2018	07/12/2018	50
2019	Workshop on NBA and NAAC Accreditation 5 Day faculty development program	03/01/2019	03/01/2019	07/01/2019	50
2019	Faculty Development Program on Cryptography and Cyber Security	28/01/2019	28/01/2019	01/02/2019	50
2019	Workshop on Cryptography and Cyber Security	12/02/2019	12/02/2019	16/02/2019	100
2019	National Workshop on Sustainable Food Processing and Technologies	21/02/2019	21/02/2019	22/02/2019	150
2019	National Science Day	28/02/2019	28/02/2019	28/02/2019	450
2019	Workshop on MOOC and MAR	21/02/2019	21/02/2019	21/02/2019	100
2019	Workshop on MOOC and MAR	25/02/2019	25/02/2019	25/02/2019	100
2019	Workshop in Intellectual Property Rights	14/03/2019	14/03/2019	14/03/2019	100
2019	Workshop on Machine Learning with Python: A Deep Learning Approach	25/03/2019	25/03/2019	29/03/2019	70
2019	Workshop on Modern International and Digital Marketing	27/03/2019	27/03/2019	28/03/2019	15
2019	Workshop on	24/04/2019	24/04/2019	24/04/2019	100

| 2019 | Workshop on Digital Health | 06/03/2019 | 06/03/2019 | 06/03/2019 | 100 |

Digital Peda gogiesThe Learners Future

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
No Data Entered/Not Applicable !!!				

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
1) Plantation of more than 1000 plants 2) Rainwater harvesting project has been implemented to recharge the ground water in front of the campus covering the of an area of 1500Square Meter area with holding capacity of 9000 (Meter)3 in a pond of 100X35 square ft and depth 2.4 meter. 3) Rooftop rainwater harvesting project has been implemented on the biotechnology building. 4) Solar power panel of (8 KV) has been installed at our city office. 5) Timers based street lights has been used to reduce the power use. 6) We have declared our campus as plastic free zone.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	5
Provision for lift	Yes	5
Ramp/Rails	Yes	5
Braille Software/facilities	No	0
Rest Rooms	Yes	5
Scribes for examination	No	0
Special skill development for differently abled students	No	0
Any other similar facility	No	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadva	Number of initiatives taken to engage with and contribute to	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff

	ntages	local community					
2018	1	1	28/02/2019	1	Science and Technology for a sustainable future	Effect of chemicals in environment Reduction green house gases in the environment Reduction and reuse of polymer Encouraging use of solar and wind energy	100
2019	1	1	02/01/2019	180	Training	Mobile Repairing Training	15
2019	1	1	16/04/2019	180	Introduction of certificate course on Core Networking	Educating and making students of the locality aware on emerging technologies	2
2019	1	1	01/02/2019	180	Introduction of certificate course on Advanced Computational Science	Educating and making students of the locality aware on emerging technologies	3
2019	1	1	16/04/2019	180	Introduction of certificate course on web application Design	Educating and making students of the locality aware on emerging technologies	4
2019	1	1	01/02/2019	180	Introduction of ce	Educating and	1

					rtificate course on Artificial Intelligence	making students of the locality aware on emerging technologies	
2019	1	1	01/02/2019	180	Introduction of certificate course on Data Analytics with Python	Educating and making students of the locality aware on emerging technologies	1
2019	1	1	16/04/2019	180	Introduction of certificate course on Data Analytics with Python	Educating and making students of the locality aware on emerging technologies	1
2019	1	1	01/02/2019	180	Introduction of certificate course on Core Networking	Educating and making students of the locality aware on emerging technologies	1
2019	1	1	01/02/2019	180	Introduction of certificate course on web application Design	Educating and making students of the locality aware on emerging technologies	2

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Code of conduct	01/07/2018	The University follows the Code of Conduct as prescribed by the State Govt. of West Bengal

7.1.6 – Activities conducted for promotion of universal Values and Ethics			
Activity	Duration From	Duration To	Number of participants
Existence of Values and Ethics course in Profession in B.Tech program	02/01/2019	30/06/2019	40

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1) Plantation of more than 1000 plants 2) Rainwater harvesting project has been implemented to recharge the ground water in front of the campus covering the of an area of 1500Square Meter area with holding capacity of 9000 (Meter)3 in a pond of 100X35 square ft and depth 2.4 meter. 3) Rooftop rainwater harvesting project has been implemented on the biotechnology building. 4) Solar power panel of (8 KV) has been installed at our city office. 5) Timers based street lights has been used to reduce the power use. 6) We have declared our campus free zone.as plastic

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

I. Digital Evaluation of Answerscripts: In a bid to expedite and at the same time bring transparency in checking of answerscripts of examinations, the University has introduced digital mode of evaluation. the answerscripts will be scanned and converted into digital mode. The evaluators will have user IDs and login passwords, with the help of which they will be able to check the answerscripts in their computers. This is a big step towards error free evaluation of students and the the system is as follows: 1. The students are given special types of answerscripts. 2. These are scanned and uploaded. 3. The examiners can use their user IDs and login passwords to start checking the scripts in the computer screeen. 4. Nobody is be able to submit any script before 4/5 minutes. 5. An examiner is not able to check more than 50 answerscript per day. The aim of introducing the new process is to increase the overall efficiency of the teachinglearning process and expedite the declaration of result after each Semester Examination. II. Mandatory Additional Requirement (MAR): Mandatory Additional Requirement (MAR) is an integral part of the undergraduate (UG) course curriculum of Maulana Abul Kalam Azad University of Technology (MAKAUT), WB. As the University is aimed at all round development of the students, MAR has been introduced to encourage them to be involved in: Social Developmental Activities, Environmental Protection (like tree plantation), get enrolled in Online courses and undertake Entrepreneurial Activities. Accordingly the students will choose activities of their choice/interest and earn Activity Points for MAR. A minimum of 25 MAR activity points must be achieved in an academic year by every student. Certificates will be issued by MAKAUT to each student, at the end of the curriculum to acknowledge all such activities.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://makautwb.ac.in/page.php?id=397

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Initiating Higher Order Thinking and Analyzing Skills amongst students, introduction of Emerging Technologies in Curriculum and Digitization of TeachingLearning : The University has introduced problem and project based

learning in its classes where students are asked to work on Case Studies for application of their theoretical knowledge. Workshop based learning is being given importance that includes handson training sessions and project based demonstrations on the latest cutting edge technologies. Practical applications have been demonstrated in workshops on Cybersecurity, Machine Learning, Data Science etc. Students demonstrate their analysing power and creativity by participating in Hackathons, other competitions in which they exhibit their innovations, and work on live projects of the University,Industry and externally funded projects. The University has initiated Certificate, Diploma, Degree, Post Graduate Diploma and Postgraduate Degree level courses on emerging technologies that are the requirement of this era. The University has developed a Digital Studio in its Salt Lake Campus. Lecture presentations by members of Faculty and courses taught by them in their area of expertise are captured in the Digital Studio. Preparation of study materials, assignments and assessment tools for these courses with accompanying study tools are uploaded in the University server after proper editing with graphics, multimedia and artificial intelligence support. The digital content also comprises short lecture/tutorial of any emerging field or any other matter of importance in recent times. MAKAUT,WB has initiated a new age of Digital Inspection of its affiliating colleges,which is perhaps the first of its kind in the country. The digital studio of the University is used to monitor and authenticate digital inspections of affiliating colleges. The expert members of the Inspection teams are able to interact with faculty members, students and authorities of the colleges from the studio itself and obtain a real time assessment of the resources at the disposal of the colleges seeking affiliation from the University.About 200 colleges are now inspected digitally through Video Conferencing from the Digital Studio. It has been felt that the colleges can be more effectively monitored through this mechanism enabling inspection of colleges easier and faster. All India Council for Technical Education (AICTE) has also appreciated this initiative of the University. The University has developed a Cloud based Self Appraisal Report (SAR) system for digital inspection of its affiliated colleges and the evaluation criteria include parameters from NAAC and NBA accreditation. The colleges are required to fill in and upload the SAR to the University along with relevant documents for evaluation. The University has planned to initiate the process of Digital Attendance of students in its affiliated colleges to ensure regular classroom teachinglearning in the Institutions. The University has also initiated digital evaluation of answer scripts of semester question papers to enhance faster declaration of results and ensure transparency in evaluation.The University has already initiated the process of applying digital pedagogies in its teachinglearning process. Application of Learning Management Systems, Flipped Learning and Mobile Learning has been adopted by members of faculty while taking classes.

Provide the weblink of the institution
https://makautwb.ac.in

8.Future Plans of Actions for Next Academic Year

1. The University has planned to initiate the process of Digital Attendance of students in its affiliated colleges to ensure regular classroom teachinglearning in the Institutions 2.The University has taken an initiative to open its doors to foreign students, with regard to Engineering and NonEngineering Courses offered by its affiliated colleges to fill up the seats that are lying vacant after completion of State Level admission procedures. 3. University has planned different programmes in a coordinated manner with an intention to encourage entrepreneurial spirit among its student and alumni community by comprehensive startup assistance through its EKTA Incubation Center and to provide a platform to display the technical talent of students and demonstrate their innovative

ideas. 4. Students will encouraged to earn while they learn by giving fellowships to implement small real life projects in the Institution. 5.The University has already initiated the process of applying digital pedagogies in its teachinglearning process. Application of Learning Management Systems, Flipped Learning and Mobile Learning has been adopted by members of faculty while taking classes. This is an approach to augment and enrich the entire teachinglearning process. 6..The University proposes to give the ,Virtual Lab? facility provided by MHRD to the students that has labs in broad areas such as Electronics Communication, Computer Science Engg, Electrical Engg., Mechanical Engg., Chemical Engg.,Biotechnology, Physical Sciences and Chemical Sciences. This will enable remote access to the students where lab infrastructure and trained faculty is lacking. 7.The University is planning to keep provisions for exit from a B.Tech. course at the end of completion of first, second and third year of their study with Certificate, Diploma,Advanced Diploma respectively so that the students will not have their years wasted. 6. The University proposes to create State of the Art modern lab facilities of Virtual Augmented Reality, 3D Printing, Multimedia, Animation Graphics and Robotics and proposes to utilise it for attractive content design other than running course specific practicals.