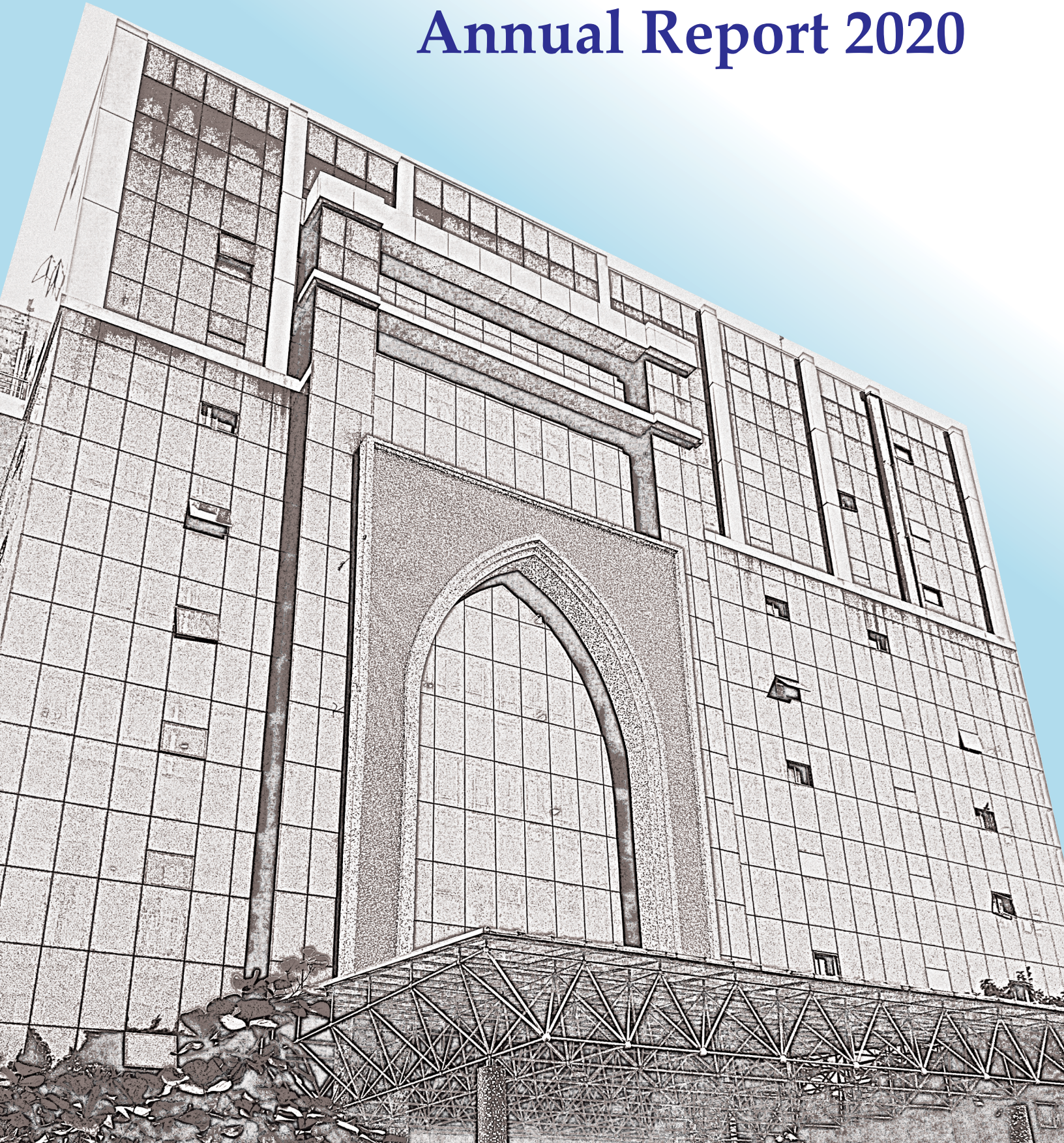




# Aliah University

## Annual Report 2020







# **Aliah University**

## **ANNUAL REPORT**

**2020**

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**2020**

**Aliah University**

**Kolkata-700 160**

**March 2022**

**(For Free Circulation Only)**

**Published by**

**Dr. Syed Nurus Salam**

**The Registrar, Aliah University**

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**11, B.T. Road Kolkata-700 056**

**Prepared by**

**Annual Report Committee with data received from NAAC Committee,  
Offices and Departments of the University, Act and Statute of the University**

## **Message of the Vice-Chancellor**

2020 has been a year with great difficulties as the entire world has been plagued with a pandemic like of which has not been witnessed by human beings of the modern times. Covid-19 pandemic has affected all the aspects of human life including education. India, being a big country with a huge population and a great number of school and college going students, has to bear the brunt of the raging pandemic. The country has tried to cope up with the situation as much as it can by changing the mode of teaching and learning. Aliah University has also brought about significant changes in the processes of teaching, learning and evaluating. Notwithstanding the hindrances posed by the pandemic, attempts were made to continue the search for excellence in the fields of academic research as well. Modes of online teaching and evaluating was adopted to negotiate the demand of the hour. While lectures were given in online mode, study materials were uploaded to the virtual class rooms which students could access at their convenient times. Students were not only offered quality education but they were also counselled properly to fight the battle with the pandemic.

The Annual Report of 2020, therefore, not only reflects the attainments and efforts of the last twelve months, it also showcases the endeavors of the university in bringing about significant changes in its overall approach to academic activities. In such a situation it was not easy to remain focussed in the pursuit of academic and extra-academic excellence. But, the Annual Report of 2020 shows that the university has continued its march towards fulfilling its mission even in these difficult times and it has been a result of sincere and well-orchestrated work by the teaching and non-teaching staff along with the officers of the university.

I would like to congratulate the team which has been instrumental in publishing the report. I owe debt of gratitude to the NAAC team which has provided most of the data required to prepare the report.

**Prof. Mahammad Ali**





## **From the desk of the Registrar**

As we publish the Annual Report of the year 2020, we are still very much in battle with a deadly virus taking toll on the entire world. One of the biggest challenges in the midst of the life threatening pandemic has been to keep the academics going on some way or the other. This initiated the innovative teaching learning methods as we moved from the classrooms to the online mode. It is indeed a matter of great pride that we all sincerely worked together to make the online mode of imparting education a success. We might not have been able to move on flawlessly, yet we were successful in devising innovative ways of imparting lessons to make it both interesting and acceptable. We also chalked ways towards taking and evaluating examinations in the online mode. Apart from lectures, ample study materials were uploaded on the virtual classrooms and time to time assessment of the progress of the students through assignments apart from the regular examinations were conducted. The goal was not only to impart education but also to boost up confidence through counselling to confront and fight the pandemic.

The pandemic cost the world dearly and the Annual Report of 2020, therefore, is more on the changes in teaching learning process rather than on the regular academic achievements. This issue is special as it goes beyond the conventional statistics and focuses on the struggles and challenges to keep academia going. This was possible through the diligence and efforts of both teaching and non-teaching staff as at one time the entire functioning of the university, academic and administrative, went online. The coordination among the stakeholders helped to fight all odds. As per the data received from the NAAC committee, the report is prepared not according to the financial year but according to the calendar year which one might consider a slight departure from the convention. Maintaining parity with the year-wise academic data (January-December) received from NAAC committee, the financial data is also put in same form.

The entire NAAC committee and the Annual Reports committee owe applause for their efforts in bringing out the Annual Report timely even in the midst of such trying times and we hope for such successful coordination in the future as well. As an early venture of this kind and that in such a difficult time, the Annual Report may have occasional omissions and minor errors as data and documents are published as received from the departments and the offices along with the NAAC committee. But it also has possibilities of further improvement and better precision. Suggestions and advices towards this will readily be accepted, appreciated and incorporated in the later volumes of the Annual Report.

**Dr. Syed Nurus Salam**





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## COMMUNICATIONS

Address :	
Heritage Campus :	21, Haji Md. Mohsin Square Kolkata-700016
Park Circus Campus :	17, Gorachand Road Kolkata-700014
New Town Campus :	IIA/27, New Town Kolkata-700160
Administrative Office :	IIA/27, New Town Kolkata-700160
Website :	<a href="http://www.aliah.ac.in">www.aliah.ac.in</a>
E-mail :	<a href="mailto:info@aliah.ac.in">info@aliah.ac.in</a>
Phone :	
Vice-chancellor :	033-23416400
Registrar :	033-23416404
Controller of Examinations :	033-23416427
Finance officer :	033-23416424

## ADMINISTRATION

Vice-Chancellor :	Prof. Mahammad Ali
Registrar :	Prof. Amzed Hossein (Acting) (Upto 21.07.2020) Dr. Syed Nurus Salam (From 21.07.2020)
Controller of Examinations (Acting) :	Prof. Sk. Faruque Ahmed
Finance officer :	Mr. Ratan Kumar Singh (Upto 16.12.2020) Mr. Pulak Kumar Mandal (From 08.12.2020)
Dean of Faculty of Science and Technology :	Prof. Md. Mehedi Kalam
Dean of Faculty of Humanities and Languages :	Prof. Mir Rejaul Karim
Dean of Students Welfare :	Prof. Amzed Hossein



### **Vice-Chancellors since Inception**

- 1. Prof. Syed Samsul Alam – 17.06.2008 to 30.09.2013**
- 2. Prof. Abu Taleb Khan – 01.10.2013 to 25.09.2017**
- 3. Dr. Nursadh Ali (Acting) – 25.09.2017 to 12.04.2018**
- 4. Prof. Mahammad Ali – 13.04.2018 – till date**

## University at a Glance

### The University: A Brief History

Aliah University has with it a rich heritage of Mohammedan College of Calcutta, popularly known as Madrasah-i-Aliah or Calcutta Madrasah, which was the first educational institution set up in British India in 1780 by Warren Hastings, the Governor General of India. Calcutta Madrasah was upgraded to Calcutta Madrasah College on 22 February, 2006 and then to Aliah University by the Government of West Bengal through Aliah University Act XXVII of 2007 passed by the West Bengal Legislative Assembly.

The university offers 36 academic programmes under 22 different Departments spread over its three impressive academic campuses. All the Programmes in Science, Engineering and Management run by the University are being held at the New Town campus at II-A/27, New Town, Rajarhat, Kolkata-156. The University also has its administrative section in the New Town campus. All Humanities and Social Science programmes are being held at Park Circus Campus at 17, Gorachand Road, Kolkata-700014. The old premises of erstwhile Calcutta Madrasah College at 21, Haji Md. Mohsin Square, Kolkata-700 016 are mainly used to conduct courses on Religious Studies (Islamic Theology) and the Bachelor of Education programme.

A brief look at the long history and evolution of this Institution may offer us an insight into its great cultural and social importance. Calcutta Madrasah was established chiefly for the study of the Arabic and Persian languages and Muslim Law so that the sons of the Muslim gentry could perform the duties as officers for running the revenue administration and judiciary. The Naib Nizam was instructed to recruit the students of the Madrasah as vacancies occurred in the Fauzdari Courts, on production of certificates of efficiency. However, within a decade Arithmetic, Algebra, Geometry, Astronomy, Islamic Theology, Oriental Studies, Natural Philosophy, Geological Studies, Law, Logic, Rhetoric, Grammar, and Oratory were added to the list of prescribed subjects for study. In 1821, the Annual Examination of the Madrasah was held in the presence of many respectable officials and academic luminaries of Calcutta. This was the first public examination held in British India.

A medical class, headed by Dr. Peter Breton, Professor of Medicine, was started at this Madrasah in 1826 for the first time in British India. Dr. Breton was authorized to purchase a skeleton and collect medical books. An anatomical work published by John Taylor, was arranged to be translated into Arabic. The medical class continued here till the establishment of Calcutta Medical College in 1836. However, the students of the Madrasah were allowed to study medicine at Calcutta Medical College. This speaks for the high standard of education at the Madrasah in those days. Also, the curricula taught at this institution were a blend of theological studies, natural sciences, and the humanities, as was done in the world-wide Madrasah system of education which produced the galaxy of scholars who made original contributions to astronomy, mathematics, chemistry, physics, medicine, geology, art and architecture, and so on. The authorities tried to introduce English as a subject for study in 1826. But, not many students were found willing to learn English, as Persian was still the medium of administration in India.

However, in 1837 the colonial government replaced Persian with English as the official language. So the Anglo-Arabic Department was opened at the Madrasah in 1839 for the teaching of English. At the recommendation of a Committee, again in 1854, this Anglo-Arabic Department was abolished and an English school, in the name of Anglo-Persian Department, was started under the direct control of the Principal of Calcutta Madrasah. The great reformist Nawab Abdul Latif (1828-1893), an alumni of Calcutta Madrasah, played an important role in the establishment of this Department so that Muslim children could receive the much-needed English education. After the Great Rebellion or the so-called 'Sepoy Mutiny' of 1857, the British rulers began to have a suspicious attitude to the Muslims. Questions were raised regarding the maintenance of Calcutta Madrasah at Government cost. There were proposals to abolish the Madrasah, at least the Arabic Department, retaining only the Anglo-Persian Department. However, in 1860, the Government of India, rejecting the idea of abolition, rather recommended improvement in its management. So the Madrasah continued to exist.

In 1869, a Committee consisting of C.H. Campbell, Commissioner of the Presidency Division, I. Suitcliff, Principal of Presidency College, and Nawab Abdul Latif, then a Deputy Magistrate, was formed to inquire into the affairs of the Madrasah and suggest improvement. Some reforms were introduced at the Calcutta Madrasah according to the suggestions of this committee. Further reforms were introduced at the recommendations of the Education Commission headed by W.W. Hunter in 1884. Nawab Abdul Latif and Justice Syed Amir Ali played a very important role in these reforms. In 1896, Elliot Hostel was founded, with funds raised out of donations from the public, for the accommodation of the Madrasah students who so far had used the ground floor of the Madrasah as their hostel. In 1902 the Muslim Institute was established as a part and parcel of Calcutta Madrasah. The Principal of the Madrasah was ex-officio President and Treasurer of the Muslim Institute. Several committees and commissions were appointed in 1915, 1923, 1931, 1938-40, and 1946 for the improvement in the syllabi, curricula, and all round development of Madrasah education in Bengal, particularly of Calcutta Madrasah.

After the Partition of India in 1947, all the movable properties including the library with its thousands of rare books and manuscripts were transferred to Dacca Madrasah, threatening the very existence of the institution. Then Maulana Abul Kalam Azad, the first Education Minister of independent India, took the initiative to reopen Calcutta Madrasah on 4 April, 1949. In 2001 the Madrasah Education Committee headed by the then Governor of West Bengal and noted educationist Professor A. R. Kidwai, made many far-reaching recommendations for its reorganization including the proposal of recognizing Calcutta Madrasah as a Deemed University. Finally, after much debate, the Aliah University Act was passed by the West Bengal Legislative Assembly in 2007. The University started its glorious journey from the 2008-09 academic session.

### **Vision of the University**

Aliah University is marching on with a vision to recapture the ambience and dynamic cultural heritage of the Madrasah system, to expand and deepen it, to evolve it further with a successful outreach into the emerging areas in each branch of modern science, technology, social studies, and humanities. It aims to instill the dynamism of its glorious heritage of the past among all its students, so that they can

successfully cope with the critical needs and challenges of the present and contribute to the future advancement of science, technology, and human civilization. It also hopes to develop in its students the love and respect for the fellow citizens of the country and to cherish the ideals of secularism and national integrity.

### Mission of the University

- To encourage the study of modern scientific, technological and professional subjects to remain attuned to the needs of the 21st century globalized society.
- To promote innovations and restructuring of existing courses of Islamic Theology and Arabic by incorporating new advances and modernized components in these subjects, and to introduce of new courses like Islamic Studies, Islamic Finance and Banking and Islamic Insurance.
- To introduce new methods of teaching and learning in different areas of study to meet the intellectual and educational challenges of the contemporary fast-changing world.
- To take required steps for the introduction of interdisciplinary studies in tune with the present-day global trends in education and research.
- To facilitate ethical as well as professional improvement and an integral development of personality of the students of the university.
- To promote humanism, secularism, national integration and international understanding through academic courses, seminars, symposia, conferences and praxis.

### Motto of the University

The motto of the University is "Advancement of Education and Culture."

### Academic Programmes

Sl. No.	Programme Code	Programme name
1	ARBUG	3-year BA Honours in Arabic
2	BNGUG	3-year BA Honours in Bengali
3	ENGUG	3-year BA Honours in English
4	URDUG	3-year BA Honours in Urdu
5	HSTUG	3-year BA Honours in History
6	GEOUG	3-year BA/BSc Honours in Geography
7	ECOUG	3-year BA/BSc Honours in Economics
8	ITHUG	3-year BA Honours in Islamic Theology
9	ISTUG	3-year BA Honours in Islamic Studies

Sl. No.	Programme Code	Programme name
10	PHYUG	3-year BSc Honours in Physics
11	CHMUG	3-year BSc Honours in Chemistry
12	MATUG	3-year BSc Honours in Mathematics
13	STAUG	3-year BSc Honours in Statistics
14	BOTUG	3-year BSc Honours in Botany
15	MICUG	3-year BSc Honours in Microbiology
16	ZOOUG	3-year BSc Honours in Zoology
17	CENUG	4-year BTech in Civil Engineering
18	MENUG	4-year BTech in Mechanical Engineering
19	EENUG	4-year BTech in Electrical Engineering
20	ECEUG	4-year BTech in Electronics and Communication Engineering
21	CSEUG	4-year BTech in Computer Science and Engineering
22	CSAUG	3-year BCA
23	NURUG	4-year BSc Honours in Nursing (only for female)
24	EDUUG	2-year BEd programmes
25	MBAIN	5-year Integrated MBA (BBA-MBA)
26	ARBPG	2-year MA in Arabic
27	BNGPG	2-year MA in Bengali
28	ENPG	2-year MA in English
29	URDPG	2-year MA in Urdu
30	HSTPG	2-year MA in History
31	GEOPG	2-year MA/MSc in Geography
32	EDUPG	2-year MA in Education
33	ITHPG	2-year MA in Islamic Theology
34	ISTPG	2-year MA in Islamic Studies
35	PHYPG	2-year MSc in Physics
36	CHMPG	2-year MSc in Chemistry
37	MATPG	2-year MSc in Mathematics
38	STAPG	2-year MSc in Statistics
39	BOTPG	2-year MSc in Botany
40	MICPG	2-year MSc in Microbiology
41	ZOOPG	2-year MSc in Zoology



Sl. No.	Programme Code	Programme name
42	CENPG	MTech in Civil Engineering
43	MENPG	MTech in Mechanical Engineering
44	EENPG	MTech in Electrical Engineering
45	ECEPG	MTech in Electronics and Communication Engineering
46	CSEPG	MTech in Computer Science and Engineering
47	CSAPG	2-year MCA
48	JMCPG	2-year MA in Journalism and Mass Communication
49	LAWPG	2-year Master in Law (LLM)

## University Bodies

As per the Aliah University Act, 2007 the authorities of the University shall be the following :

### **Darbar-i-Aliah (Court)**

The members of Darbar-i-Aliah (Court) are :

#### **A. Ex-Officio Members :**

1. The Amir-i-Jamia (Chancellor)
2. The Shaikh-ul - Jamia (Vice-Chancellor)
3. The Naib Shaikh-ul-Jamia (Pro Vice-Chancellor);
4. All Deans of Faculties
5. The Dean of Students' Welfare
6. The Registrar (Musajjil)
7. The Finance Officer
8. The Librarian
9. The Heads of Departments
10. The Secretary, MA & ME Department or his nominee not below the rank of Deputy Secretary to the Government of West Bengal
11. The Secretary, Finance Department, Government of West Bengal or his nominee not below the rank of Deputy Secretary to the Government of West Bengal
12. The Vice-Chancellor, Maulana Abul Kalam Azad University of Technology (Formerly West Bengal University of Technology)
13. The President, West Bengal Board of Madrasah Education
14. The President, West Bengal Council of Higher Secondary Education
15. The Director of Madrasah Education or his nominee not below the rank of Deputy Director of Madrasah Education
16. The Director, Minorities' Development and Welfare or his nominee not below the rank of Deputy Director, Minorities' Development Welfare.

#### **B. Representatives of Teachers :**

17. Prof. Md. Mehedi Kalam, Department of Physics
18. Prof. Amzed Hossein, Department of English
19. Dr. Sk. Monowar Hossein, Department of Mathematics

20. Dr. Nurul Huda Gazi, Department of Mathematics

21. Dr. Badiur Rahaman, Department of Physics

22. Dr. Md. Maidul Islam, Department of Chemistry

**C. Representative of Non-teaching Staff :**

23. Mr. Sk. Hafizur Rahman, Personal Assistant

24. Ms. Samina Khatoon, Junior Superintendent

25. Mr. Sk. Hasibur Rahman, Accountant

26. Dr. Sk. Ashfaque Ali, Deputy Registrar

**D. Representatives of the Legislature and Local elected Body :**

27. Smt. Nayna Bandyopadhyay, MLA, Chowringhee, Kolkata

28. Shri Amirul Islam, MLA, Samserganj, Murshidabad

29. Shri Moinuddin Shams, MLA, Nalhati, Birbhum

30. District Officer, Minority Affairs (DOMA), Kolkata

**E. Nominated Members :**

31. Ms. Arpita Banerjee, Assistant Teacher, Mollickpur Abdus Shukur High School, 24- Pgnos. (South)

32. Irfan Ali Biswas, Headmaster, Hatishala Sarojini High Madrasah (H.S.), Hatishala K.L.C. South 24- Parganas

33. Md. Akhtaruzzaman, Superintendent, Bhurkunda Emdadia Senior Madrasah (Fazil), Sangrampur Hat,  
P.O. Samudrapur, P.S. Ashok Nagar, District- North 24- Parganas

34. Shri Basab Choudhury, Vice Chancellor, West Bengal State University

35. Prof. Dr. Sonali Chakravarti Banerjee, Pro Vice-Chancellor, Calcutta University

**Majlis-i-Muntazimah (Executive Council)**

The members of **Majlis-i-Muntazimah** (Executive Council) are :

Sl. No.	Name/Description	Designation
1.	The Shaikh-ul-Jamia (Vice-Chancellor)	
2.	The Registrar	Ex-officio Member
3.	Prof. Md. Mehedi Kalam	Member
4.	Dr. S. K. Monowar Hossain, Associate Professor	Member
5.	Dr. Md. Julfikar Ali, Assistant Professor	Member

Sl. No.	Name/Description	Designation
6.	Prof. Nimai Chandra Saha, Vice-Chancellor, Burdwan University	Member
7.	Prof. Anuradha Mukhopadhyay, Vice-Chancellor, Diamond Harbour Women's University	Member
8.	Sri R. L. Hangloo, Vice-Chancellor, Allahabad University	Member
9.	Md. Abdul Gani, MLA	Member
10.	The Secretary, Minority Affairs and Madrasah Education Department or his nominee not below the rank of Deputy Secretary	Ex-officio Member
11.	The Secretary, Finance Department or his nominee not below the rank of Deputy Secretary	Ex-officio Member
12.	The President, West Bengal Council of Higher Secondary Education	Ex-officio Member
13.	The President, West Bengal Board of Madrasah Education	Ex-officio Member
14.	The Director, Madrasah Education or his nominee not below the rank of Deputy Director of Madrasah Education, Government of West Bengal	Ex-officio Member
15.	The Director, MA & ME Department or his nominee not below the rank of Deputy Director	Ex-officio Member

### Majlis-i-Talimi (Academic Council)

The members of **Majlis-i-Talimi** (Academic Council) are :

Sl. No.	Member	Name/Description	Designation
1	The Shaikh-ul-Jamia (Vice-Chancellor)		Chairman
2	The Naib Shaikh-ul-Jamia (Pro Vice-Chancellor)	VACANT	Member
3	The Deans of Faculties	1. Prof. (Dr.) Mir Rejaul Karim 2. Prof. Md. Mehedi Kalam	Member
4	The Musajjil (Registrar)	Dr. Nursadh Ali	Member
5	The Dean of Students' Welfare	Prof. Amzed Hossein	Member
6	The Heads of the Departments	Heads of the Departments	Member
7	The Librarian	VACANT	Member
8	Two Professors other than Heads of Departments to be nominated by Shaikh-ul-Jamia (Vice-Chancellor)	1. Prof. (Dr.) Babu Lal Seal, Dept. of Mathematics and Statistics 2. Prof. (Dr.) Mir Rejaul Karim, Dept. of Bengali	Members

Sl. No.	Member	Name/Description	Designation
9	Two teachers of the University at least one of which should be an Associate Professor to be nominated by Shaikh-ul-Jamia (Vice-Chancellor)	1. Dr. Abul Kalam Mohd. Anwaruzzaman, Dept. of Geography 2. Dr. Sk. Md. Abu Nayeem, Dept. of Mathematics and Statistics	Members
10	Two teachers from each Faculty by rotation on seniority basis	1. Dr. Nurul Huda Gazi, Dept. of Mathematics and Statistics 2. Prof. Md. Mehedi Kalam, Dept. of Physics 3. Dr. Saifulla, Dept. of Bengali 4. Dr. Tajuddin Ahmed, Dept. of English 5. Dr. Abu Tamim, Dept. of Theology	Members
11	Three persons not in service of the University nominated by the Shaikh-ul-Jamia (Vice-Chancellor) for their special knowledge	1. Prof. Abdul Rouf, IEST 2. Prof. Jane Alam, VECC 3. Prof. Md. Ismail, AMU	Members

### **Majlis-i-Maliyat (Finance Committee)**

The members of **Majlis-i-Maliyat** (Finance Committee) are:

Sl. No.	Member	Name/Description	Designation
1	The Shaikh-ul-Jamia (Vice-Chancellor)	Prof. Mohammad Ali	Chairman
2	The Naib Shaikh-ul-Jamia (Pro-Vice-Chancellor)	VACANT	Member
3	2 (two) Deans of the Faculties to be nominated by EC	1. Prof. Md. Mehedi Kalam, Dean of Faculty of Science and Technology 2. Prof. Mir Rejaul Karim, Dean of Faculty of Humanities and Languages	Member
4	The Registrar (Musajjil)	Dr. Nursadh Ali	Member
5	2 (two) persons to be nominated by the EC from among its members other than those in the service of the University	1. Justice Md. Abdul Ghani, MLA and Chairman, Board of Auqaf, West Bengal. 2. Prof. Anuradha Mukhopadhyay, Hon'ble Vice-Chancellor,	Member



Sl. No.	Member	Name/Description	Designation
		Diamond Harbour Women's University	
6	3 (three) persons to be nominated by the Chancellor in consultation with the Secretary, MA & ME Dept., Govt. of West Bengal	<ol style="list-style-type: none"> <li>1. Mr. Soumitra Laha, Financial Advisor, MA &amp; ME Dept.</li> <li>2. Mr. Gour Pattanayak, Finance Officer, Jadavpur University</li> <li>3. Mr. R. N. Roy, Joint Secretary, Dept. of Higher Education, Science and Technology and Biotechnology</li> </ol>	Member
7	Finance Officer	Mr. Alok Nath Mondal	Secretary

## The Office of the Vice-Chancellor

### An overview of the achievements and activities of the University: 2020

- 1) The State Government sanctioned eleven (11) teaching posts for the Department of Botany and Department of Microbiology. Two (2) teaching and five (5) non-teaching posts were sanctioned for the Department of Islamic Theology (Distance Mode). Six (6) posts of Clinical Instructor were sanctioned for the Department of Nursing.
- 2) The First meeting of the Aliah University Court was held on 06.03.2020.
- 3) Seventy-nine (79) scholars enrolled for PhD programme.
- 4) Ten (10) students enrolled for MPhil programme under Department of Bengali.
- 5) Undergraduate students getting chance to pursue MTech and PhD degrees in Universities and Institutes of national and international repute.
- 6) Department of Computer Sciences and Engineering organized an invited talk in collaboration with Computer Chapter, IEEE Kolkata Section on 10.01.2020. Renowned Scientist and Academician, Prof. Dariusz Plewczynski, Centre of New Technologies, University of Warsaw, Poland and Prof. Jacek Sroka, Faculty of Mathematics and Informatics University of Warsaw, Poland were invited to deliver a talk.
- 7) Department of Computer Sciences and Engineering organized an International Seminar on Trends in Artificial Intelligence & Machine Learning Research: TAIMLR-2020 on 07.01.2020.
- 8) Department of Nursing organized a programme on the World Cancer Day 2020 on 04.02.2020.
- 9) Department of Islamic Studies organized a 5 Day National Post-graduate Programme on Islamic Studies between 10-14.02.2020.
- 10) Department of Urdu organized a Memorial Lecture on Abul Kalam Azad on 11.03.2020.
- 11) Department of Nursing organized a programme on the International Women's Day 2020 on 11.03.2020.
- 12) Department of Management and Business Administration organized a Webinar on Awareness of Sexual Harassment of Women at Workplace on 05.08.2020.
- 13) Department of Computer Sciences and Engineering organized a Webinar on Recent Advances on High-performance Distributed Computing on 18.08.2020.
- 14) Department of Biological Sciences organized the First Outreach Program on 21.08.2020.
- 15) Department of Computer Sciences and Engineering organized International Talk on Selected Topics on Research Methodology on 04.09.2020.

- 16) Department of Biological Sciences organized the Talk no. 7 of Bio-Illumination 2020 on 10.10.2020.
- 17) Department of Geography held an International Webinar on Progress and Dimensions in Geographical Research on 03.11.2020.
- 18) Department of Management and Business Administration organized the first Regional HR Conclave in collaboration with HR Sampark on Impacts of COVID-19 on Hiring Markets: Recovery Initiatives and Opportunities on 07.11.2020.
- 19) The Training and Placement Cell initiated the "Communicative English and Student Development Programme" for 1st year to 4th year students of B Tech, MBA and MCA.
- 20) The Cell has also started the "Elementary English for Adult Learners" for students of the Department of Islamic Theology and Department of Arabic.
- 21) A Minutes of Understanding (MoU) was signed with KRACKiN SkillX for academic and industrial partnership. Many functional experts from Industry and professional institutes are regularly invited for grooming, up-skilling, and soft skill-development of students from 3 year and final year batches to enhance their employability.
- 22) The total number of the On-Campus, Pool Campus, and Off-Campus Drive held between August, 2019 and October, 2020 is thirty-eight (38).
- 23) A list of major recruiters comprises of reputed companies like Tata Consultancy Services, Cognizant, Amazon, IBM, Xoriant, LIDO Learning, Sears Holdings Corporation, M/s. Koyo Electronics India Pvt. Ltd., Manikaran Power, M/s. Think & Learn Pvt. Ltd., RDC Concrete India Pvt. Ltd., Zensar Technologies, Berger Paints India Limited, Hitachi Consulting, M/s. BMW Industries Limited etc.
- 24) This year 2 (two) students from the Department of Computer Science and Engineering and Department of Mechanical Engineering have secured placement offers of CTC 10.0 lakh/annum in M/s. Think & Learn Pvt. Ltd. ( Byju's) and LIDO Learning.

## Office of the Finance Officer

**Introduction :** Aliah University is a Minority Institution for the upliftment of Education among the minorities in West Bengal. It is running under Minority Affairs and Madrasah Education (MA & ME) Department under the Government of West Bengal. All the recurring and non-recurring expenditure of the University is financed by the MA & ME Department. MA & ME Department has allotted sufficient grant to meet day to day expenses, payments of salary to the employees and other administrative expenses.

### Finance Committe :

The Finance Committee of the University is constituted vide Office Order No. AU/VC/082/18 dated 08.05.2018 and AU/VC 032/19 dated 07.02.2019.

### Strength of Non-Teaching Employees :

#### (A) Officer:

(i) Finance Officer.....01

#### (B) Non-Teaching Employees :

- **Permanent :**

(i) Accountant.....01

(ii) Junior Superintendent.....01

(iii) Senior Assistant.....02

(iv) Junior Peon.....01

- **Contractual :**

(i) Office Assistant.....01

(ii) Group-D.....01

(iii) Outsourced.....04

### Administration of Electronic Books and Accounts :

- Tally ERP-9, Accounting Software.

### Internal Audit :

Internal Audit of the University has been completed by external CA firms from time to time upto 31 March, 2015.

**Mobilization of Resources and Increasing the University's Own Revenue :**

- State Government sanctions substantial grants which constitute major source of University fund. Moreover, Central Government has sanctioned grants under MSDP scheme.
- There are some other sources wherefrom some revenues were generated during the year by the University which are as follows :
  - (i) Income from Interest on Fixed Deposits, Flexi Deposits and Saving Deposit.
  - (ii) Income from the overhead fund of the project.

**Future Plan :**

- To customize the ERP for better maintenance of the books of accounts as per the University need.
- To start an internal audit department in Aliah University for better automation, record keeping and earlier detection of error and omission, if any.

**Financial Statement for the Year 2020****ALIAH UNIVERSITY**

21, Haji Md. Mohsin Square, Kolkata-700 016

Income and Expenditure Statement

*for the year 2020 (Provisional)*

<b>Expenditure</b>	<b>Amount</b>	<b>Income</b>	<b>Amount</b>
AUAT Expenses	2,93,938	Grant from MAME Department, Govt. of WB.	27,81,54,310
Establishment Expenses	27,04,50,822	Other Income	2,56,814
Examination and Other Expenses	8,32,457	AUAT Receipts	0
Hostel Expenditure	1,04,03,432	Income From Fees	91,43,635
Other Administrative Expenses	7,68,64,413	Interest Earned	1,59,526
PhD Expense	2,66,443	Receipt for Seminar and Conference	17,200
Research Programme	1,46,038	Excess of Expenditure over Income	7,31,86,775
Seminar-Workshop/Symposium/ Conference	8,79,530		
Social and Cultural Programme	38,346		
Students Activities	1,70,392		
Teaching Assistanceship	5,28,000		
Travelling and Conveyance	44,449		
<b>Total</b>	<b>36,09,18,260</b>	<b>Total</b>	<b>36,09,18,260</b>



**ALIAH UNIVERSITY**

21, Haji Md. Mohsin Square, Kolkata-700 016  
Balance Sheet

as on 31.12.2020 (Provisional)

Liabilities	Amount	Amount	Assets	Amount	Amount
Capital Account:			Fixed Assets:		
Opening Balance	5,03,49,22,702		Opening Balance		2,97,80,87,136
Add: Grant for Capital Creation	24,04,88,703		Add: Purchased during the year		4,12,66,310
Less: Excess of Expenditure over Income	-7,31,86,775		Current Assets		3,01,93,53,446
Current Liabilities		5,20,22,24,630			
Earnest Money Deposit		8,29,58,653			
AU Employee Provident Fund		18,96,200			
		4,71,27,287			
<b>Total</b>		<b>5,33,42,06,770</b>	<b>Total</b>		<b>5,33,42,06,770</b>

## Office of the Controller of Examinations

### About the Examination system

Examinations play an important role in imparting education and knowledge to students. It is an instrument to evaluate the depth of knowledge, understanding and extent of skill acquired by the student. For Teachers, examinations provides feedback to evolve their way of teaching.

The examinations at Aliah University are conducted semester-wise as the University follows the Semester system since its inception. There are two regular semesters in a year. The semester from July to December is known as the Autumn Semester or Odd-Semester and the semester from January to May is known as the Spring Semester or Even-Semester.

In general, a certain quantum of academic work, measured in terms of Credits, is the requirement to obtain a particular Degree as laid down in the Examination Rules. A student earns Credits by satisfactorily clearing Courses/Other academic activities in every Semester. The amount of Credits associated with a Course is dependent upon the number of hours of instruction per week in the Course. Similarly, the Credits associated with any of the other activities are dependent upon the quantum of work expected to be put in for each of the other activities per week.

Semester-wise performance assessment for every Course is done through various modes of examinations. Those include Quizzes/ Class tests/ Home assignments/ Group assignments/ Viva-voce and End-Semester Examination.

The assessment of a students' performance in a Theory Course is done through

- Internal assessment based on Quizzes /Assignments /Viva-voce etc. with 20% weightage,
- The End-semester Examination covering the full syllabus of the course with 80% weightage.

The assessment in a Laboratory Course is based on

- Continuous assessment of 40% weightage
- Viva-voce examinations in regular laboratory classes with 10% weightage
- A semester-end Test with 50% weightage

### Grading in the 10-point scale :

The Grading system is based on the combined performance in all assessments. Students are awarded Letter Grades having definite numerical values i.e., Grade points in every Course taken by him /her in a particular Semester as per the Curriculum. Those Grade points are also equivalent to a particular range of Percentages of Marks.

The performance of a student in a Semester is indicated by a number called Semester Grade Point Average (SGPA). The SGPA is the weighted average of the grade points obtained in all the courses enrolled by the student during the semester. The Courses which do not form the minimum requirement of the Degrees are not considered for calculation of the SGPA.

An upto date assessment of the overall performance of a student from the time s/he entered the University is obtained by calculating a number called Cumulative Grade Point Average (CGPA), in a manner similar to the calculation of SGPA. The CGPA therefore considers all the Courses registered by the student towards minimum requirement of the Degree s/he has enrolled for an academic programme.

In addition to above Semester system, the UG Theology Programmes in some newly approved centres are being offered in conventional [1 + 1 + 1] system. However, Semester system has been implemented for those programmes also from the academic session 2019-20. The University is also offering BSc in Nursing programme under [1 + 1 + 1 + 1] system following the norms of Indian Nursing Council.

**Result of University Examinations  
(Final Examination/Final Semester)**

Sl. No.	Programme	Year of Passing-2020	
		Appeared	Passed
1	2-yr. MA in Arabic	28	21
2	2-yr. MA in Bengali	35	35
3	2-yr. MA in English	39	31
4	2-yr. MA in LLM	22	13
5	2-yr. MA in History	8	4
6	2-yr. MA in Journalism and Mass Communication	9	4
7	2-yr. MA in Urdu	15	15
8	2-yr. MA in Geography	9	9
9	2-yr. MSc in Geography	27	24
10	2-yr. MSc In Mathematics	32	30
11	2-yr. MSc in Statistics	4	4
12	2-yr. MA in Theology	142	113
13	2-yr. Bachelor of Education (BEd)	93	93
14	2-yr. MTech in Civil Engineering	19	10
15	2-yr. MTech in Computer Science and Engineering	17	13
16	2-yr. MTech in Electronics and Communication Engineering	6	4
17	2-yr. MTech in Electrical Engineering	8	3
18	2-yr. MTech in Mechanical Engineering	17	10
19	3-yr. BA Hons. in Theology (Kamil Hons.)	166	124
20	3-yr. BA in Theology (Kamil Gen.)	00	00
21	3-yr. BA Hons. in Arabic	57	32

Sl. No.	Programme	Year of Passing-2020	
		Appeared	Passed
22	3-yr. BA Hons in Bengali	24	19
23	3-yr. BA (Hons) in Urdu	18	15
24	3-yr. BA (Hons) in Islamic Studies	31	28
25	3-yr. Master of Computer Application (PGMCA)	13	13
26	4-yr. BTech in Civil Engineering	68	58
27	4-yr. BTech in Computer Science and Engineering	53	52
28	4-yr. BTech in Electronics and Communication Engineering	44	34
29	4-yr. BTech in Electrical Engineering	62	43
30	4-yr. BTech in Mechanical Engineering	61	54
31	5-yr. Integrated MSc in Chemistry	35	22
32	5-yr. Integrated MSc in Mathematics and Computing	28	17
33	5-yr. Integrated MSc in Physics	24	15
34	5-yr. Integrated MSc in Computer Science	2	1
35	5-yr. Integrated MCA	00	00
36	5-yr. Integrated MSc in Statistics	00	00
37	5-yr. Integrated MSc in Geography	54	24
38	5-yr. Integrated MA in English	47	23
39	5-yr. Integrated Master of Business Administration (MBA)	19	15
40	4-yr. BSc In Nursing	54	54
		<b>1390</b>	<b>1079</b>

## University Research Programme

### A Brief Report

The University Research Programme (URP) is a separate cell/section of the university which is functioning under the Board of Research Studies (BRS) of the University. This cell is running with a Coordinator/ Jt. Coordinator and a non-teaching staff. It takes care of all official matters related to the MPhil, PhD, DSc, D Litt. and LLD programmes running in Aliah University. This cell acts as a bridge between the students, faculties and the BRS. The URP Cell has a motto to provide and follow the right directions, rules and regulations formulated by UGC from time to time. URP Cell also assists in PhD admission process every year by following the latest UGC PhD & MPhil Regulations-2016/ Aliah University Regulations-2017 for the Degree of Doctor of Philosophy (PhD), Doctor of Litt. (D Litt.), Doctor of Sc (DSc) and Doctor of Law (LLD). This cell guides the PhD scholars through the different stages of the PhD programme like submission of half-yearly progress, PhD topic registration seminar, thesis pre-submission seminar, open seminar cum viva-voce examination with the help of the Doctoral Scrutiny Committee (DSC) of each student and the Departmental Research Committee (DRC). Continuous discussion/analysis/meeting on various matters related to the improvement of the quality of research work related to PhD is carried out with the BRS committee. Moreover, the URP cell is always active to help the students in participating in course work related to plagiarism-free document writing, research and publication ethics, etc. The URP cell ultimately follows the vision/goal of the university to provide high-quality research and development.

In 2020-2021 session, a total of twenty one (21) departments offered PhD programmes: (i) Arabic, (ii) Bengali, (iii) English, (iv) Urdu, (v) Islamic Theology, (vi) History, (vii) Law, (viii) Education, (ix) Journalism and Mass Communication, (x) Geography, (xi) Economics, (xii) Physics, (xiii) Chemistry, (xiv) Mathematics and Statistics, (xv) Biological Sciences, (xvi) Civil Engg., (xvii) Computer Science and Engg., (xviii) Electrical Engg., (xix) Electronics & Communication Engg., (xx) Mechanical Engg., (xxi) Management and Business Administration (MBA). Following UGC PhD Regulation-2016 / Aliah University PhD Regulations-2017, the PhD admission committee along with URP Cell has conducted direct interview cum viva-voce exam for the NET/SET/GATE/MPhil qualified candidates due to the pandemic situation for Covid-19. There was no AURET, except the department of Islamic Theology (as I. Theology has no NET/SET exam). The PhD students are selected for admission through discussion-based interview cum viva-voce examination. At the same time, Aliah University has awarded PhD degrees to the students who have successfully published research papers in UGC approved/UGC CARE journals, presented research papers in seminars/conferences and successfully defended the thesis in open seminar cum viva-voce examination. The summary of the status of PhD admission in session 2020-2021 and award of PhD students in 2020 is given below :

- Number of applicants for PhD admission in session 2020-2021 : **898**
- Number of applicants admitted to the PhD Programme in session 2020-2021 : **73**
- Number of PhD degrees awarded in 2020 : **11**

[Arabic-1, Bengali-1, Chemistry-2, History-1, Islamic Theology-1, Mathematics-3, Physics-2]



## University Library

### 1. Year of Establishment of the Department : 2010

### 2. About the Department :

Aliah University Library has started functioning at Salt Lake Campus since March 2010. It attempts to fulfil the academic and research needs of the faculty, research scholars, students officers and non-teaching staff. The university library system comprises 03 campuses located at Newtown, Park Circus and Taltala. The Newtown Library deals with Engineering and Technology, Management, Pure Science and Biological Science collection while the Park Circus library covers the collection on Humanities, Nursing, Law, Education etc. The oldest library situated at Taltala campus has books on Islamic Theology. The library of Aliah University provides lending and reading room facilities to the members of this university, the Newtown campus library has presently capacity of 50 users in digital library. The objectives of the university library are to support the institutional research programmes of the university. Realisation of these objectives will lead to conservation of knowledge and ideas, excellence in research, publication, teaching and many more academic and extra-academic achievements.

### 3. Staff Members (In alphabetical order according to Name) :

Current library staff consists of 9 members. Three Assistant Librarians, Four Library Trainees, One Office Assistant and One Jr. Peon.

Sl. No.	Name	Designation	Academic Qualification
1	Abdul Malek	Jr. Peon	MA
2	Asif Iqbal	Assistant Librarian	BA, MLISc, UGC NET
3	Md. Mozaffar Rahaman Sardar	Library Trainee	MA, MLISc
4	Nasima Halim	Office Assistant	BA, MLISc
5	Nihal Alam	Assistant Librarian	BSc, Masters in LIS, UGC NET
6	Sabir Khan	Library Trainee	MA, MLISc
7	Salahudheen. E	Assistant Librarian	MLISc, PhD, UGC NET
8	Sk. Mizanul Haque	Library Trainee	BSc, MLISc UGC NET
9	Totan Maity	Library Trainee	MSc, BEd, MLISc UGC NET

### 4. Collection:

Collection of the university library includes resources of sufficient breadth and depth to support scholarship in the areas concerned. It offers collection on different disciplines, text-books, reference books, newspapers, periodicals, government publication, special materials such as thesis, dissertation, non-book materials such as CDs, DVDs, etc.

- **Print Materials:** In this year print materials not purchased due to Covid-19 Pandemic and budget constraints.

- **E-Resources :** In this year e-resources not purchased due to Covid-19 Pandemic and budget constraints.

**5. Facilities :**

- Issue Return
- Referencing
- Kiosk for Self Check out/in
- Plagiarism Check

**6. Any Other (Special Mention) :**

Plagiarism Check

Nos Thesis Checked	Nos of Research Papers Checked
58	197

## Training and Placement Cell

### Summary of the Placement Activities conducted by the Training and Placement cell

- Total No. of On Campus Drive : 9
- Total No. of Pooled/Off Campus Drive : 31
- Total No. of Offers : 32 (Including multiple placement offers)
- Total Cost incurred in Training and Placement : 34733/-

### No. of On/Off Campus drive Conducted

Sl. No.	Name of the Company	Date	Eligible Streams	Campus Type
1	Hitachi Consulting	08.08.2019	BTech (CSE)	Pool Campus
2	TCS	13.08.2019	BTech (All)	Off Campus
3	JUSPAY	16.08.2019	BTech (All)	Off Campus
4	IBM	24.08.2019	BTech (CSE, ECE, EE)	Pool Campus
5	Sears Holdings Corporation	24.08.2019	BTech (CSE, ECE, MCA)	Pool Campus
6	M/s. Promact Infotech Pvt. Ltd.	26.08.2019	BTech (CSE, ECE,)	Pool Campus
7	Amazon	31.08.2019	BTech (All)	Pool Campus
8	M/s. Cloudkaptan Consultancy Services Private Limited	31.08.2019	BTech (CSE, ECE, MCA)	Pool Campus
9	M/s. Think and Learn Pvt. Ltd.	10.09.2019	BTech (All)	On-Campus
10	Chegg India Pvt. Ltd.	21.09.2019	BTech, MTech	On-Campus
11	Cognizant	24.09.2019	BTech, MTech	Off Campus
12	Zensar Technologies	25.09.2019	BTech (CSE, ECE, MCA)	Pool Campus
13	Berger Paints	25.09.2019	MBA (Marketing)	Off Campus
14	M/s. Poornam Info Vision Private Limited	15.10.2019	BTech (CSE, ECE)	Pool Campus
15	M/s. Koyo Electronics India Pvt. Ltd.	17.10.2019	BTech (CSE, ECE)	Pool Campus
16	M/s. Indus Net Technologies Pvt. Ltd.	04.11.2019	BTech (CSE, ECE, MCA, MSC-COM)	Pool Campus
17	Torero Corporation	11.11.2019	MBA	Off Campus
18	Kotak Mahindra Life Insurance Ltd.	15.11.2019	MBA (Marketing, Finance)	Pool Campus
19	CGI	19.11.2019	BTech (cse, ece, ee, me)	Pool Campus

Sl. No.	Name of the Company	Date	Eligible Streams	Campus Type
20	Manikaran Power	22.11.2019	MBA	Off Campus
21	IBM	23.11.2019	BTech, MTech	Pool Campus
22	M/s. Ceasefire Industries Pvt. Ltd.	25.11.2019	BTech in EE and ME, PGDM and MBA (preferably males)	Pool Campus
23	Xoriant	27.11.2019	BE/ BTech/ MCA (CSE/ IT)	Pool Campus
24	Infosys	20.12.2019	BTech, MCA	Pool Campus
25	Canara HSBC	23.12.2019	MBA	Pool Campus
26	RDC Concrete India Pvt. Ltd.	10.01.2020	BTech (CEN, MEN, EEN) and MBA	Pool Campus
27	LIDO Learning	20.01.2020	All Graduates and Post Graduates	On-Campus
28	ATMECS Technologies Pvt. Ltd.	21.01.2020	BTECH (CS, ECE), MCA, M TECH	Pool Campus
29	Amazon	06.02.2020	BTech, MTech, MSc, BSc, MBA	On-Campus
30	M/s. BMW Industries Limited	10.02.2020	BTech (MEN)	Pool Campus
31	M/s. Nihilent Limited	12.02.2020	BTech (CSE, ECE)	Pool Campus
32	Capgemini	18.02.2020	BTech, MCA (2019 and 2020) Pass outs	Off Campus
33	Trisys Communications Private Limited	28.02.2020	MBA(Finance)	Off Campus
34	Unified Infotech Pvt. Ltd.	29.02.2020	BTech (CSE, ECE, EEN), MTech, MSc (Mathe, Stat)	On -Campus
35	Infosys	04.03.2020	All	Pool Campus
36	Kovair Software Pvt. Ltd.	07.04.2020	BTech (CSE, IT) and MCA	Off Campus
37	Orchids, The International School	29.04.2020	All Graduates and Post Graduates	Virtual On-Campus
38	Max Bupa	10.07.2020	MBA	Virtual On-Campus
39	Extramarks	29.09.2020	BE/BTech, MBA, BBA, BCA	Virtual On-Campus
40	XL Dynamics India Pvt.	12.10.2020	Graduate/ MBA/ Post Graduate (MCom, MA, MSc)	Virtual On-Campus

## Faculty-wise Status of Students Placed/Selected

## Faculty of Engineering and Management :

Sl. No.	Name of the Student	Company	Salary offered
1	Md. Junaid Siddique	BYJU'S - The Learning App	10.0 LPA
2	Aanzil Akram Halsana	Cognizant	4.0 LPA
3	Sk. Rohit Hasan	Infosys	4.0 LPA
4	Mr. Md Hamza	Infosys	4.0 LPA
5	Ms. Wazda Jamal	Infosys	4.0 LPA
6	Asif Irfanullah Masum	Infosys	4.0 LPA
7	Saem Ali	Amazon	Rs. 3,40,000 per annum + Benefits as per company Policies
8	Md. Junaid Siddique	Unified Infotech Pvt. Ltd.	Rs. 20,000 (per month)
9	Md. Hamza	Extramarks	3.0 LPA
10	Choudhary Afzal Anwar	Sears Holdings Corporation	Rs. 23,000/ post confirmation (after they complete their Engg) INR 4,00,000
11	Choudhary Afzal Anwar	Cognizant	4.0 LPA
12	Mr. Choudhary Afzal Anwar	Infosys	
13	Md. Asif	Infosys	1.8-3.0 LPA
14	Anam Kausar	Infosys	1.8-3.0 LPA
15	Kahkashan Kausar	Infosys	1.8-3.0 LPA
16	Md. Asif	Extramarks	1.8-3.0 LPA
17	Sk. Arif Ali	Capgemini	3.8 LPA
18	Aamir Mahiuddin Ansari	Capgemini	3.8 LPA
19	Akhtar Ali Sk	LIDO Learning	10 LPA (7 L fixed and 3L Performance Pay)
20	Tauqeer Ahamed	Extramarks	3-3.5LPA
21	Md. Sarmad Akram	Extramarks	3-3.5 LPA
22	Akhtar Ali	Extramarks	3-3.5 LPA
23	Mohsin Arfat	Amazon	Rs. 3,40,000 per annum + Benefits as per company Policies
24	Paltan Saha	Anza Services LLP (2021)	2.4 lac to 3.6 lac
25	Peer Umar	Anza Services LLP (2021)	2.4 lac to 3.6 lac

Sl. No.	Name of the Student	Company	Salary offered
26	Ashad Intekhab	XL Dynamics	3.5lac
27	Md. Mijarul Sa	Kotak Life	Rs. 3,50,000 (Fixed Pay) + Performance-based Incentives + Mediclaim + Life Insurance Cover etc.
28	Md. Sadan Ansari	Kotak Life	do
29	Sana Sohrab	Kotak Life	do
30	Sazia Khan	Kotak Life	do

#### Faculty of Science :

Sl. No.	Name of the Student	Company	Salary offered
1	Nishat Chowdhury (BSC)	Amazon	INR 3,40,000 per annum + Benefits as per company Policies
2	Shahjahan Ahmad (MCA)	Kovair Software Pvt. Ltd.	2.1 LPA

#### Vision for the Future: Plans and Steps

The T and P Cell faces the biggest challenge of popularizing the name of Aliah University among the corporate. This can be done only if they are made to visit the campus on select occasions other than placement activities. The T & P Cell proposes to do so by organizing the following programmes,

- (1) HR Conclave.
- (2) Increase the number of companies for campus drive.

The Cell would also like to continue with:

- Conducting Seminar by Industry for interaction and technology updates
- Industry visit by students
- Job Fair

Moreover, the finishing school concept has been incorporated from the 1st Semester. With this objective, The T & P Cell has extended its training programmes right from 1st Semester to catch them young. The T & P Cell also proposes to include placement of other non-professional courses like Science and Humanities. It proposes to continue with these activities in future too.

## National Service Scheme

### Introduction

National Service Scheme popularly known as NSS, was launched in Mahatma Gandhi Centenary year 1969 and aimed at developing student's personality through community service. The overall objective of National Service is educational. This objective is attained through the service to the community. The process of learning is not only a desirable supplement to the classroom education but it also helps to develop in the student a sense of responsibility, tolerance and cooperation. The NSS plays a vital role in the development of the latent potential of the student's personality. National Service Scheme (NSS) is a permanent youth Programme under the Ministry of Youth Affairs and Sports, Government of India and funded by Government of West Bengal and Government of India. Since 2012, the NSS unit of Aliah University has been functioning with full vigour and enthusiasm.

### Objectives

The overall objective of NSS is Personality Development through community service. The broad objectives of NSS are to:

- Understand the community in which they work
- Understand themselves in relation to their community
- Identify the needs and problems of the community and involve them in problem solving process.
- Develop among themselves a sense of social and civic responsibility
- Utilize their knowledge in finding practical solution to individual and community problems
- Develop competence required for group-living and sharing of responsibilities
- Gain skills in mobilizing community participation
- Acquire leadership qualities and democratic attitude
- Develop capacity to meet emergencies and natural disaster
- Foreground the ideas of national integration and social harmony

### MOTTO

The motto or watchword of the NSS is "**Not me but you**". It underlines that the welfare of an individual is ultimately dependent on the welfare of the society as a whole. The motto of NSS upholds the essence of democratic living and impresses the need of selfless service and appreciation of others' point of view. It helps in reaching out to all fellow human beings.



## Unit Level Organisation

There are two NSS units in Aliah University. The NSS of this University involves active participation of the Hon'ble Vice-Chancellor, Registrar, Finance Officer, Controller of Examinations, Deputy Registrar, University advisory committee, the teachers, students, and other stakeholders.

### The supervising officials of NSS units are:

**Programme Coordinator :** Dr. Md. Mustaquim, Assistant Professor, Department of Geography.

Programme Officers :

1. Dr. Nasim Ali Khan, Assistant Professor, Department of Electrical Engineering.
2. Dr. Md. Jahangir Alam, Assistant Professor, Department of Arabic.

### Activities of NSS in 2020

The NSS unit of the university has done various social activities through different programs. Following is an overview of the activities undertaken by the NSS Unit of this university :

#### CELEBRATION OF REPUBLIC DAY

- Republic Day (26 January, 2020) was celebrated in all the three campuses of the university by the NSS volunteers, students, faculties and administrative officers.

#### INTERNATIONAL YOGA Day (21 June, 2020)

- Aliah University and its NSS Cell observe **INTERNATIONAL YOGA DAY** on 21 June, each year in the campus. However, in the year 2020 we could not do the same due to Covid - 19 pandemic. We observed it at our respective home. We know that yoga is a very good practice to remain physically fit, mentally healthy and spiritually awakened and to say no to ailments. Many teachers, students, volunteers, non-teaching staffs participated in the celebration of Yoga Day.

#### DISTRIBUTION OF FOOD KITS DURING COVID -19

- The NSS (National Service Scheme) team and students of Aliah University, Kolkata distributed around 400 food packets among the needy and poor families in the selected areas (mainly rural areas) of the following areas during Covid-19 pandemic.
  1. Rannuchak, Alipur- II GP, Kaliachak-I, Malda
  2. Islampur, Jotekamal GP, Raghunathganj-II, Murshidabad
  3. Debipur, Krishnagar - II, Nadia
  4. Bira Mallick Para, Hibra -II, North 24 Paraganas
  5. KhasKumra Khali, Taldi GP, Canning - I, South 24 Paraganas
  6. Slum areas of Bankura Town, Bankura

Each food packet contained rice, gram, pulses, potato, onion, mustard oil, puffed rice (Mori), salt etc. However in some areas it varied due to variation of people's demand.

The entire expenditure was met with the public-funding which is collected by our NSS Volunteers and contributions were made by NSS Programme Co-ordonators and NSS Programme Officers of Aliah University.

The NSS volunteers distributed the packets at the door steps of the poor and needy families keeping in mind the idea of social distancing.

This initiative is inspired by Prof. Mahammad Ali (Hon'ble Vice-Chancellor), Prof. Amzed Hossein (Registrar (Officiating)), Dr. Sk. Ashfaq Ali (Dy. Registrar). Dr. Nasim Ali Khan and Dr. Md. Jahangir Alam (Programme Officers, NSS) are also involved in the Kits distribution Programme.

Besides these, the NSS unit of Aliah University is continuously engaged in organizing various other activities under the guidance of Programme Officer, NSS Unit and Programme Co-ordinator, NSS.

Last but not least, I am thankful to the Regional Director, NSS, State NSS Officer, University Authorities especially the Hon'ble Vice-Chancellor and Registrar for their kind advice, help and support. I am also grateful to all Faculties, Members of NSS Advisory Committee, supporting staffs, Programme Officer, students and valuable NSS volunteers for their suggestions, assistance and support.

**Officers of the University**

Sl. No.	Name	Designation
1	Prof. Mohammad Ali	Vice-Chancellor
2	Prof. Amzed Hossein	Registrar(Acting)
3	Dr. Syed Nurus Salam	Registrar
4	Dr. Sk Faruque Ahmed	CoE
5	Mr.Ratan Kumar Singh	FO (on Deputation)
6	Mr. Pulak Kumar Mandal	FO (on Deputation)
7	Dr. Sk. Ashfaque Ali	Deputy Registrar
8	Mr. Akhtaruzzaman	Assistant Controller of Exam
9	Mr. Md. Jakir Hossain Molla	Training and Placement Officer
10	Mr. Asif Iqbal	Assistant Librarian
11	Mr. Nihal Alam	Assistant Librarian

### Permanent Non-Teaching staff of the University

Sl. No.	Particulars	Designation
1	Sk. Hafizur Rahman	Personal Assistant
2	Nahida Akhtar Islam	Personal Assistant
3	Farrukh Shahzad	Personal Assistant
4	Samina Khatoon	Junior Superintdent/Section Officer
5	Momena Khatoon	Junior Superintdent/Section Officer
6	Shahbaz Afzal	Junior Superintdent/Section Officer
7	Sohail Khan	Junior Superintdent/Section Officer
8	Sk. Hasibur Rahman	Accountant
9	Kallol Sarkar	Senior Assistant
10	Md. Moniruddin Ahmed	Senior Assistant
11	Firoj Alam	Senior Assistant
12	Rejuanul Hoque	Senior Assistant
13	Syed Sadequr Rahaman	Senior Assistant
14	Md. Khalid Mustafa	Senior Assistant
15	Reaz Ahmed	Senior Assistant
16	Moloy Krishna Dan	Senior Assistant
17	Subhronil Ganguly	Senior Assistant
18	Sohail Ahmed	Senior Assistant
19	Nizamul Ahmed	Senior Assistant
20	Syed Nurul Hasan	Junior Assistant
21	Anindita Bhaduri (Meerza)	Junior Assistant
22	Sayeka Begum	Junior Assistant
23	Mirza Md. Aminur Rahaman	Junior Assistant
24	Mrs. Lichia Khatun	Junior Assistant
25	Nowajes Islam	Junior Assistant
26	Basiruddin Sk.	Junior Assistant

Sl. No.	Particulars	Designation
27	Md. Sahanawaz Ahmed Gazi	Junior Assistant
28	Md. Iftekhar Ahmmed	Junior Store Keeper
29	Md. Monirul Islam	Junior Peon
30	Habib Molla	Junior Peon
31	Md. Safior Hossain	Junior Peon
32	Tanmoy Sarkar	Junior Peon
33	Md. Rayees	Junior Peon
34	Mehedi Hassan	Technical Assistant
35	Hanif Ahammad Halder	Technical Assistant
36	Manarul Anowar	Technical Assistant
37	Hashibul Alam	Technical Assistant
38	Asif Iqbal	Technical Assistant
39	Wasim Iqbal Tarafder	Technical Assistant
40	Sk. Hussain Ahammed	Technical Assistant
41	Md. Hasan Ali	Technical Assistant
42	Najmul Islam	Technical Assistant
43	Sonali Paul	Technical Assistant
44	Md. Muktada Hossain	Technical Assistant
45	Md. Rafikul Alam Mondal	Technical Assistant
46	Reshmi Paul	Technical Assistant
47	Anwar Sadat Ali	Technical Assistant
48	Sukamal Manna	Technical Assistant
49	Sahanaj Sultana	Technical Assistant
50	Ourish Roy	Technical Assistant
51	Limuja Rashid	Technical Assistant
52	Rohisuddin Saikh	Technical Assistant

Sl. No.	Particulars	Designation
53	Md. Aminul Islam	Technical Assistant
54	Sahid Ahmed Siddique	Technical Assistant
55	Ramiz Hasan	Technical Assistant
56	Moidul Islam	Technical Assistant
57	Munshi Samsul Enaul	Cashier
58	Kazi Md Kader Nawaz	Office Attendant/Jr.Peon/Gr.-D
59	Rojina Banu	Office Attendant/Jr.Peon/Gr.-D
60	Firoj Ahmed Ansari	Office Attendant/Jr.Peon/Gr.-D
61	Abdul Malek	Office Attendant/Jr.Peon/Gr.-D
62	Sk. Abul Hassan	Office Attendant/Jr.Peon/Gr.-D
63	Sebgatulla Bayen	Office Attendant/Jr.Peon/Gr.-D
64	Syed Abu Bakkar	Record Keeper
65	Nikunja Behari Pradhan	Plumber
66	Sekh Hedayat	Gardener
67	Md. Salauddin Mondal	Ground Supervisor
68	Dr. Sk. Sabir Ali	Physical Training Instructor
69	Sunnatul Islam	Pharmacist

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# DEPARTMENTAL REPORTS

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## **Basic Science**

- Biological Science
- Chemistry
- Mathematics and Statistics
- Physics

## Department of Biological Science

### 1. Year of Establishment of the Department : 2016

### 2. About the Department :

Research over the last 30-40 years has led to unprecedented advancements in various disciplines ranging from cell biology, molecular biology, biochemistry, developmental and computational biology. Subsequently, the adoption of an interdisciplinary approach has become the need of the hour to understand the complexities of a biological system. Since its inception in the year 2016, the department's mission has been to help students gain in-depth exposure to emerging domains in life sciences and prepare them to be leaders in the field of research and development (R and D) in academia and industry alike.

### 3. Academic Programmes Offered :

BSc, MSc Program in Biological Sciences (With Hons in Botany, Zoology, Microbiology)

BSc (Hons.) Botany CBCS

BSc (Hons.) Zoology CBCS

BSc (Hons.) Microbiology CBCS

MSc Botany

MSc Zoology

MSc Microbiology

PhD Biological Sciences

### 4. Faculty Members (In Alphabetical Order According to Name) :

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
1	Bishwanath Chakraborty	Fulltime Contractual Teacher	PhD	Mycopathology
2	Masrur Alam	Assistant Professor	PhD	Microbial Ecology and Physiology
3	Md. Zakir Hossain	Assistant Professor	PhD	Environmental Science and Disease Biology
4	Mehboob Hoque	Assistant Professor	PhD	Applied Biochemistry and Cancer Biology
5	Muddasarul Hoda	Assistant Professor	PhD	Nanobiotechnology and Phytochemistry

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
6	Safdar ali	Assistant Professor	PhD	Clinical and Applied Genomics
7	Sk. Kabita	Assistant Professor	PhD	Fish Physiology and Aquatic Biology
8	Sk. Md. Abu Imam Saadi	Assistant Professor	PhD	Molecular Taxonomy and Phytochemistry

#### 5. Major Areas of Research and Development :

- a) Nanobiotechnology and RDT
- b) Clinical Genomics
- c) Cancer Biology and Immunology
- d) Protein Chemistry
- e) Environmental microbiology
- f) Microbial ecology and physiology
- g) Microbial genomics and proteomics
- h) Molecular Genetics and Population genetics
- i) Biochemistry and Phytochemistry
- j) Bioinformatics
- k) Animal Diversity, Ecology and Toxicology
- l) Human physiology (Endocrinology, biochemistry and diseases)
- m) Applied Biochemistry
- n) Fish Physiology and Aquatic Biology
- o) Molecular Plant Taxonomy

#### 6. Reputed Research Publications :

##### International and National Journal

Title of paper	Name of the author/s	Name of journal	ISSN number
Molecular mechanisms of action of resveratrol in modulation of diabetic and non-diabetic cardiomyopathy	Irshad Ahmad and <b>Muddasarul Hoda</b>	<i>Pharmacological Research</i>	1043-6618

Title of paper	Name of the author/s	Name of journal	ISSN number
Potential alternatives to Conventional Cancer Therapeutic approaches : The way forward	<b>Muddasarul Hoda</b>	<i>Current Pharmaceutical Biotechnology</i>	1873-4316
In-silico comparison of inhibition of wild and drug-resistant <i>Haemonchus contortus</i> $\beta$ -tubulin isotype-1 by glycyrrhetic acid, thymol and albendazole interactions	Athithan Velan and <b>Muddasarul Hoda</b>	<i>Journal of Parasitic Diseases</i>	0975-0703
Attenuation of diabetic retinopathy and neuropathy by resveratrol: Review on its molecular mechanisms of action	Irshad Ahmad and <b>Muddasarul Hoda</b>	<i>Life Sciences</i>	0024-3205
Enhanced drug retention, sustained release, and anti-cancer potential of curcumin and indole-curcumin analog-loaded polysorbate 80-stabilized PLGA nanoparticles in colon cancer cell line SW480	Sufi, S.A., <b>Hoda, M.</b> , Pajaniradje, S., Mukherjee, V., Coumar, S.M., Rajagopalan, R	<i>International Journal of Pharmaceutics</i>	0378-5173
Aerobic microbial communities in the sediments of a marine oxygen minimum zone	Sabyasachi Bhattacharya, Chayan Roy, Subhrangshu Mandal, Jagannath Sarkar, Moidu Jameela Rameez, Nibendu Mondal, Tarunendu Mapder,	<i>FEMS microbiology letters</i>	ISSN 0378-1097 EISSN 1574-6968

Title of paper	Name of the author/s	Name of journal	ISSN number
	Sumit Chatterjee, Prosenjit Pyne, <b>Masrur Alam</b> , Prabir Kumar Haldar, Rimi Roy, Svetlana Fernandes, Aditya Peketi, Ranadhir Chakraborty, Aninda Mazumdar, Wriddhiman Ghosh		
Two pathways for thiosulfate oxidation in the alphaproteobacterial chemolithotroph <i>Paracoccus thiocyanatus</i> SST	Moidu Jameela Rameez, Prosenjit Pyne, Subhrangshu Mandal, Sumit Chatterjee, <b>Masrur Alam</b> , Sabyasachi Bhattacharya, Nibendu Mondal, Jagannath Sarkar, Wriddhiman Ghosh	<i>Microbiological Research</i>	0944-5013
Prospective therapeutic potential of Tanshinone IIA: An updated overview	Mohammad Azam Ansari, Farheen Badrealam Khan, Haaris Ahsan Safdari, Ahmad Almatroudi, Mohammad A. Alzohairy, Mohammadreza Safdari, Mehran Amirizadeh, Suriya Rehman, Mohammad Javed Equbal, <b>Mehboob Hoque</b>	<i>Pharmacological Research</i>	1043-6618
Nanoparticle mediated cancer immunotherapy	Jyoti Gupta, Haris A Safdari, <b>Mehboob Hoque</b>	<i>Seminars in Cancer Biology</i>	1044-579X

Title of paper	Name of the author/s	Name of journal	ISSN number
Induced immunity developed in plants against phytopathogens using bioinoculants	<b>Bishwanath Chakraborty</b>	<i>Journal of Mycology and Plant Pathology</i>	Print ISSN 0971-9393 Online ISSN 0975-4180
High temperature resilience in <i>Bacillus safensis</i> primed wheat plants: A study of dynamic response associated with modulation of antioxidant machinery, differential expression of HSps and osmolyte biosynthesis	Jayanwita Sarkar, Usha Chakraborty, <b>Bishwanath Chakraborty</b>	<i>Environmental and Experimental Botany</i>	Print ISSN 00988472 Online ISSN 00988472
Evaluation of leaf extracts of <i>Azadirachta indica</i> , <i>Catharanthus roseus</i> and <i>Diplazium esculentum</i> on tea plants for induction of resistance against <i>Alternaria alternata</i>	Rakhee Das Biswas, <b>Bishwanath Chakraborty</b>	<i>Journal of the Botanical Society of Bengal</i>	0971-2976
Immunity induced in wheat plants against <i>Bipolaris sorokiniana</i> by AMF colonization and application of <i>Bacillus altitudinis</i>	Arka Pratim Chakraborty, Usha Chakraborty, <b>Bishwanath Chakraborty</b>	<i>Journal of the Botanical Society of Bengal</i>	0971-2976
Implications of genome simple sequence repeats signature in 98 Polyomaviridae species	Laskar R, Jilani MG, <b>Ali S</b>	<i>3 Biotech</i>	2190-5738

## Book, Book Chapter, etc.

Name of the teacher	Title of the Book/chapters published	Title of the Paper	Title of the proceedings of the conference	Name of the conference	National/ International	ISBN/ISSN number	Affiliating Institute at the time of publication	Name of the publisher
Muddasarul Hoda	Bioactive natural products of endophytic fungal origin: Production, activity and biotechnology	—	—	—	—	978-0-12-821005-5	Aliah University	Elsevier
Muddasarul Hoda	Neoteric research trends in marine fungi as promising and alternate sources of anticancer phytochemicals	—	—	—	—	978-0-12-821006-2	Aliah University	Elsevier
Masrura Alam	<i>Environment and Human Welfare (Edited)</i>	Microbes in Extreme Environments Microbes	—	—	—	978-1-53617-945-3	Aliah University	Nova Science Publishers, USA
Bishwanath Chakraborty	<i>Trichoderma: Host Pathogen Interactions and Applications</i>	Induced immunity developed by <i>Trichoderma</i> species in plants	—	—	International	978-981-15-3320-4	Aliah University	Springer Nature



Name of the teacher	Title of the Book/chapters published	Title of the Paper	Title of the proceedings of the conference	Name of the conference	National/ International	ISBN/ISSN number	Affiliating Institute at the time of publication	Name of the publisher
Bishwanath Chakraborty	<i>Precision Agriculture and Sustainable Crop Production</i>	Beneficial microbes for alleviation of biotic and abiotic stresses in plants.	—	—	National	978-817-01-9667-9	Aliah University	Today and Tomorrow's Publisher
Safdar Ali	—	Microsatellite Mining and Protein Dynamics of 43 Species of Alphapolyoma-virus	Proceedings of International Conference on Drug Discovery (ICDD) 2020	International Conference on Drug Discovery (ICDD) 2020	International	1556-5068	Aliah University	SSRN

## 7. Paper Presentation/Invited Talk :

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Mehboob Hoque	Cancer : Disease Progression	National	Department of Nursing, Aliah University	04.02.2020
Masrure Alam	Proteome Research : Principles, Techniques and Applications	National	Dept. of Microbiology, The University of Burdwan	27.06.2020
Masrure Alam	Extremophiles : Life in Extreme Environments	National	Dept. of Microbiology, North Bengal St. Xavier's College	22.09.2020
B. N. Chakraborty	Immunodetection of fungal pathogens and induction of phytoimmunity using bioinoculants	International	Indian Phytopathological Society, IARI, New Delhi	16-20 January, 2020
B. N. Chakraborty	Multifaceted action of <i>Bacillus altitudinis</i> and <i>Bacillus pumilus</i> on growth promotion and induction of resistance against phytopathogens in crop plants	International	Indian Mycological Society, Kolkata and University of Calcutta	06-08 February, 2020
B. N. Chakraborty	Harnessing beneficial microorganisms from rhizosphere, their diversity analysis and utilization for crop protection	National	CAS in Botany, BHU, Varanasi	28-29 February, 2020

**8. Seminars/Workshops/Conferences/Short-Term Courses Organized :**

<b>Name of Sem./Wor./Con.</b>	<b>Funded By</b>	<b>Date</b>	<b>International/ National</b>
Bio-Illumination Lecture Series Talk 4 : Present trends and future prospects of herbal medicines	—	05.09.2020	National
Bio-Illumination Lecture Series Talk 5 : Single Molecule Technologies : A New Window To See Complex Biological Phenomenon	—	12.09.2020	National
Bio-Illumination Lecture Series Talk 6 : Herpesvirus genome sensing in the nucleus leading to inflammasome and Type-I IFN innate immune responses in virus infected primary and latently infected cells.	—	19.09.2020	National
Bio-Illumination Lecture Series Talk 7 : Flooding of pulmonary alveoli (edema) in COVID 19	—	26.09.2020	National
Bio-Illumination Lecture Series Talk 8 : Venom-SELEX : An aptamer based method for identification of biomarker for differential detection of snake venom	—	03.10.2020	National
Bio-Illumination Lecture Series Talk 9 : m6A RNA methylation complex regulates transcriptional via its binding to the chromatin	—	10.10.2020	National
Bio-Illumination Lecture Series Talk 10 : Green Chemistry and the Role of Microorganisms	—	17.10.2020	National
Bio-Illumination Lecture Series Talk 11 : Structure based drug design and discovery: From theory to therapy	—	31.10.2020	National

## Department of Chemistry

### 1. Year of Establishment of the Department : 2019

### 2. About the Department :

The department of chemistry constitutes a centre for academic excellence. Since its beginning in 2009, the department has been engaged in imparting the highest level and quality of academic education and has focused upon addressing key scientific problems.

This department constitutes of faculty members, who expertise in various frontier levels of research. The main areas of research being solid state chemistry and inorganic materials, coordination chemistry, analytical chemistry, synthetic organic chemistry, photochemistry, catalysis, nano chemistry, spectroscopy and medicinal chemistry. The entire faculty has had the exposure and scopes to carry out research of preliminary originality contributing genuinely towards the enhancement of academic and industrial interactions. Some faculty members have been awarded with VIRA. The faculties have contributed towards the publication of books and research papers in world renowned journals. There are ongoing research projects. Some research projects have been completed successfully.

In addition to this, we have around three hundred undergraduate and postgraduate students. Moreover, a good number of research scholars are working in different laboratories of our department. After completion of the MSc many undergraduate students started research work in different academic and industrial laboratories of the country. Many students qualified in examinations like GATE, NET etc. PhD students also exhibited their excellence in research and earned many national and international awards.

The department is equipped with instruments such as Fluorimeters, UV-Vis spectrophotometers, FT-IR, GC and Optical Microscopes. The students are provided with a comprehensive practical exposure to the various instrumental techniques required for their research.

### 3. Academic Programmes Offered :

3-year BSc

5-year MSc

PhD

### 4. Faculty Members (In alphabetical order according to Name) :

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
1.	Md. Akhtarul Alam	Associate Professor	MSc, PhD	Analytical Chemistry
2.	Md. Maidul Islam	Assistant Professor	MSc, PhD	Analytical Chemistry
3	Harun Al Rasid Gazi	Assistant Professor	MSc, PhD	Inorganic Chemistry
4	Seikh Mafiz Alam	Assistant Professor	MSc, PhD	Analytical Chemistry
5	Md. Hedayetullah Mir	Assistant Professor	MSc, PhD	—
6	Nasima Yasmin	Assistant Professor	MSc, PhD	Organic Chemistry
7	Safiul Alam	Assistant Professor	MSc, PhD	Organic Chemistry
8	Mustafa Jahir Raihan	Assistant Professor	MSc, PhD	Organic Chemistry

## 5. Major Areas of Research and Development :

Solid state chemistry and inorganic materials

Coordination chemistry

Analytical chemistry

Synthetic organic chemistry

Photochemistry

Catalysis

Nano chemistry

Spectroscopy

Medicinal chemistry

## 6. Reputed Research Publications :

### International and National Journal

Title of paper	Name of the author/s	Name of journal	ISSN number
Electrically conductive 1D coordination polymers : Design strategy and controlling factors	F. Ahmed, B. Dutta and <b>M. H. Mir</b>	<i>Dalton Transactions</i>	1477-9234
Electrically conductive Cu(II)-based 1D coordination polymer with theoretical insight	S. Islam, P. Das, S. Maiti, S. Khan, S. Maity, P. Ghosh, A. D. Jana, P. P. Ray and <b>M. H. Mir</b>	<i>Dalton Transactions</i>	1477-9234
Synthesis, crystal structure and DNA binding of a new Ni(II) coordination compound based on 4-naphthylvinylpyridine ligand	Akhtaruzzaman, S. Khan, A. A. Alothman, B. Dutta, S. M. Wabaidur, <b>S. M. Alam, M. M. Islam</b> and <b>M. H. Mir</b>	<i>Polyhedron</i>	0277-5387
Fabrication of Cu(II) based halobenzoate appended ladder polymers with efficient charge transport property	S. Islam, B. Pal, S. Khan, S. Maity, S. Naaz, P. Ghosh, P. P. Ray and <b>M. H. Mir</b>	<i>New Journal of Chemistry</i>	1369-9261
Stabilization of Cyclic Water Tetramer and Dimer in the Crystal Host of 2D Coordination Networks: Electrical Conductivity and Dielectric Studies	B. Dutta, S. R. Ghosh, A. Roy, S. Jana, C. Sinha, S. Das, A. D. Jana and <b>M. H. Mir</b>	<i>New Journal of Chemistry</i>	1369-9261

Title of paper	Name of the author/s	Name of journal	ISSN number
Supramolecular assembly of a 4-(1-naphthylvinyl)pyridyl appended Zn(II) coordination compound for turn-on fluorescence sensing of trivalent metal ions (Fe <sup>3+</sup> , Al <sup>3+</sup> , Cr <sup>3+</sup> ) and cell imaging application	B. Dutta, S. Dey, K. Pal, S. Bera, S. Naaz, K. Jana, C. Sinha and <b>M. H. Mir</b>	<i>New Journal of Chemistry</i>	1369-9261
C–H...?(metal-ligand ring) interaction in a mesaconate bridged Cd(II) 1-D coordination polymer: structural elucidation, theoretical study, and photophysical properties	Z. A. ALothman, B. Dutta, <b>S. M. Alam</b> , S. M. Wabaidur and <b>M. H. Mir</b>	<i>Journal of Coordination Chemistry</i>	0095-8972
Impact of solid-state photochemical [2 + 2] cycloaddition in coordination polymers for diverse applications	S. Khan, B. Dutta, and <b>M. H. Mir</b>	<i>Dalton Transactions</i>	1477-9234
Linear dicarboxylate based pyridyl appended cobalt (II) coordination polymers in search of opto-electronic properties	F. Ahmed, J. Datta, S. Khan, B. Dutta, S. Islam, P. Ghosh, P. P. Ray and <b>M. H. Mir</b>	<i>New Journal of Chemistry</i>	1369-9261
Synthesis and characterization of a hydrogen bonded metal-organic cocystal : Exploration of its DNA binding study	S. Khan, Z. A. ALothman, M. Mohammad, M. S. Islam, A. Slawin, S. M. Wabaidur, <b>M. M. Islam</b> and <b>M. H. Mir</b>	<i>Polyhedron</i>	0277-5387
Construction of a Succinate Bridged Cd(II)-Based 2D Coordination Polymer for Efficient Optoelectronic Device Fabrication and Explosive Sensing Application	B. Dutta, A. Hazra, A. Dey, C. Sinha, P. P. Ray, P. Banerjee and <b>M. H. Mir</b>	<i>Crystal Growth and Design</i>	1528-7483
Two acetylenedicarboxylato-bridged 4-styrylpyridine	B. Dutta, Akhtaruzzaman,		

Title of paper	Name of the author/s	Name of journal	ISSN number
appended 1D coordination polymers: Synthesis, structural characterization and variable temperature magnetism	H. Sato, T. Akitsu, A. Slawin, C. Sinha and <b>M. H. Mir</b>	<i>Journal of Chemical Science</i>	2041-6520
Synthesis, crystal structure and DNA binding of a new Ni(II) coordination compound based on 4-naphthyl vinylpyridine ligand	Akhtaruzzaman, S. Khan, A. A. Alothman, B. Dutta, S. M. Wabaidur, <b>S. M. Alam, M. M. Islam</b> and <b>M. H. Mir</b>	<i>Polyhedron</i>	0277-5387
Study on the antibacterial activity and interaction with human serum albumin of Tagetes erecta inspired biogenic silver nanoparticles	A Maji, M Beg, S Das, MN Aktara, S Nayim, A Patra, <b>M. M. Islam</b> , M Hossain	<i>Process Biochemistry</i>	1359-5113
Biophysical insights into the interaction of human serum albumin with Cassia fistula leaf extracts inspired biogenic potent antibacterial and anticancerous gold nanoparticles	M. Beg, A. Maji, S. Nayim, M. N. Aktara, N. K. Sahoo, G. C. Jana, <b>M. M. Islam</b> , M. Hossain	<i>Journal of Biomolecular Structure and Dynamics</i>	739-1102
Facile synthesis of antibiotic encapsulated biopolymeric okra mucilage nanoparticles: molecular docking, in vitro stability and functional evaluation	A Al Masum, K Pal, I Saha, D Ghosh, S. Roy, SG Chowdhury, <b>M. M. Islam</b> , P. Karmakar	<i>Advances in Natural Sciences : Nanoscience and Nanotechnology</i>	2043-6262
A dual role of cumin-seed extract towards the silver nanoparticle synthesis and stabilisation and its potential for antibacterial and anticancer activities through oxidative damage	K. Pal, P. Karmakar, N. Siddiqui, <b>M. M. Islam</b> , S. Mukhopadhyay	<i>Advances in Natural Sciences : Nanoscience and Nanotechnology</i>	2043-6262



Title of paper	Name of the author/s	Name of journal	ISSN number
Deciphering the positional impact of chlorine in a new series of berberine analogues towards the superb-selective "turn-on" hydrophobic signaling of bovine serum albumin at physiological pH	G. C. Jana, S. Nayim, N. K. Sahoo, S. Das, M. N. Aktara, A. Patra, <b>M. M. Islam</b> , M Hossain	<i>New Journal of Chemistry</i>	1369-9261
Crystallographic Elucidation of Stimuli Controlled Molecular Rotation for a Reversible Sol-Gel Transformation	Mehebab Ali Khan, Soumen Ghosh, Sachinath Bera, Anamika Hoque, Ismail Sk., Shagufi Naz Ansari, Shaikh M. Mobin, <b>Md. Akhtarul Alam</b>	<i>The Journal of Organic Chemistry</i>	0022-3263
Macroporous polystyrene degraded and functionalized chromium MPS-Cr(iii)-alen complex as a sustainable porous catalyst for CO <sub>2</sub> fixation under atmospheric pressure and selective oxidation of aromatic alkenes	P. Paul, N. Salam, A. Khan, D. Das, <b>S. M. Alam</b> , S. M. Islam	<i>New Journal of Chemistry</i>	1369-9261
C-H... $\pi$ (metal-ligand ring) interaction in a mesaconate bridged Cd(II) 1-D coordination polymer: structural elucidation, theoretical study, and photophysical properties	Z. A. Alothman, B. Dutta, <b>S. M. Alam</b> , S. M. Wabaidur and <b>M. H. Mir</b>	<i>Journal of Coordination Chemistry</i>	0095-8972
AgNPs encapsulated by an amine-functionalized polymer nanocatalyst for CO <sub>2</sub> fixation	N. Salam, P. Paul, S. Ghosh, U. Mandi, A. Khan, <b>S. M. Alam</b> ,	<i>New Journal of Chemistry</i>	1369-9261

Title of paper	Name of the author/s	Name of journal	ISSN number
as a carboxylic acid and the oxidation of cyclohexane under ambient conditions	D. Das, S. M. Islam		
Green Synthesized AgNPs Embedded in COF : An Efficient Catalyst for the Synthesis of 2-Oxazolidinones and $\alpha$ Alkylidene Cyclic Carbonates via CO <sub>2</sub> Fixation	Sk. Safikul Islam, Surajit Biswas, Rostam Ali Molla, <b>Nasima Yasmin</b> , Sk. Manirul Islam	<i>ChemNanoMat</i>	2199-692X
POP-Pd(II) catalyzed easy and safe in-situ carbonylation towards the synthesis of $\alpha$ -ketoamides from secondary cyclic amines utilizing CHCl <sub>3</sub> as the carbon monoxide surrogate	Sk. Safikul Islam, Sk. Riyajuddin, Rostam Ali Molla, <b>Nasima Yasmin</b> , Kaushik Ghosh and S. M. Islam	<i>New Journal of Chemisty</i>	1369-9261

## Department of Mathematics and Statistics

### 1. Year of Establishment of the Department : 2018

### 2. About the Department :

The Department of Mathematics and the Department of Statistics at Aliah University was established with the inception of this university. The first courses offered in 2009 were 5-year integrated MSc programme in Mathematics and Computing and 5-year integrated MSc programme in Statistics and Informatics and later the respective departments introduced a separate 2-year MSc in Mathematics in 2013 and 2-year MSc in Statistics in 2016. The Department of Mathematics and Statistics at the Aliah University started its journey in the year 2018 with the merger of erstwhile Department of Mathematics and Department of Statistics.

### 3. Academic Programmes Offered :

Doctor in Philosophy (PhD)

5-year Integrated BSc-MSc In Mathematics (discontinued after 2017)

5-year Integrated BSc-MSc In Statistics and Informatics (discontinued after 2017) :

2-year MSc In Mathematics

2-year MSc In Statistics

BSc Honours in Mathematics (started in 2018)

BSc Honours in Statistics (started in 2018)

### 4. Faculty Members (In alphabetical order according to Name) :

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
1	Babulal Seal	Professor	MSc, PhD	Statistical Inference
2	Biman Chakraborty	Assistant Professor	MSc	Stochastic Process
3	Debashis Samanta	Assistant Professor	MSc, PhD	Reliability Theory
4	Hare Krishna Maity	Assistant Professor	MSc, PhD	Stochastic Process
5	Imrul Kaish	Assistant Professor	MSc, PhD	Complex Analysis
6	Joydeep Sengupta	Associate Professor	MSc, PhD	Differential Geometry
7	Moumita Chatterjee	Assistant Professor	MSc, PhD	Biostatistics
8	Nurul Huda Gazi	Professor	MSc, MTech, PhD	Nonlinear Analysis, Mathematical Biology
9	Sadek Hossain Mallik	Assistant Professor	MSc, PhD	Solid Mechanics

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
10	Sahabuddin Sarwardi	Assistant Professor	MSc, PhD	Nonlinear Analysis, Dynamical Systems
11	Sajjad Hossain	Assistant Professor	MSc	Algebra, Nonlinear Analysis
12	Sk. Md. Abu Nayeem	Associate Professor	MSc, PhD	Algebraic Graph Theory
13	Sk. Monowar Hossein	Professor	MSc, PhD	Functional Analysis
14	Sultan Parveen	Assistant Professor	MSc	Statistical Inference
15	Sumana Pal	Associate Professor	MSc, PhD	Algebra, Fixed Point theory

**5. Major Areas of Research and Development :**

Algebra, Functional Analysis, Operator Theory, Graph Theory, Differential Geometry, Complex Analysis, Nonlinear Dynamical Systems, Mathematical Ecology, Epidemiology, Eco-epidemiology, Thermo-elasticity, Stochastic Processes, Growth Curve Models, Probability Models, Statistical Inference, Reliability Theory, Regression Analysis, Applied and Advanced Multivariate Analysis, Biostatistics, Artificial Neural Network

**6. Reputed Research Publications International and National Journal :**

Title of paper	Name of the author/s	Name of journal	ISSN number
Exact Inference of a Simple Step-Stress Model with Hybrid Type-II Stress Changing Time	<b>Debashis Samanta,</b> Arnab Koley, Arindam Gupta, Debasis Kundu	<i>Journal of Statistical Theory and Practice</i>	1559-8608
Differential Geometric Aspects of Null (Lightlike) - rectifying Curves in Minkowski Space-time	Zafar Iqbal and <b>Joydeep Sengupta</b>	<i>Differential Geometry Dynamical Systems ;Volume 22, 2020, pp 132 - 148.</i>	1454-511X
Magnetic Trajectories Corresponding to Killing Magnetic Fields in a Three Dimensional Warped Produce	Zafar Iqbal, <b>Joydeep Sengupta</b> and Subenoy Chakraborty	<i>International Journal of Geometric Methods in Modern Physics; Volume 17, No. 14</i>	1793-6977

Title of paper	Name of the author/s	Name of journal	ISSN number
A mathematical study of a two species eco-epidemiological model with different predation principles	A. Saikh and <b>N. H. Gazi</b>	<i>Discontinuity, Nonlinearity, and Complexity</i> , 9(2) : 309-325,	2164-6376
Waves in Generalized Thermo-viscoelastic Infinite Continuum with Cylindrical Cavity due to Three-phase-lag Time-Nonlocal Heat Transfer	Md. Abul Kashim Molla, Nasiruddin Mondal and <b>Sadek Hossain Mallik</b>	<i>Journal of Thermal Stresses</i>	1521-074X
Dynamical study of a prey-predator model incorporating nonlinear prey refuge and additive Allee effect acting on prey species	<b>Sahabuddin Sarwardi</b> , Md. Hafizul Molla, Md. Sabiar Rahman	<i>Model. Earth Syst. Environ. DOI: 10.1007/s40808-020-01049-5</i>	2363-6211, 2363-6203
Incorporating prey refuge in a prey-predator model with Beddington-DeAngelis type functional response: a comparative study on intra-specific competition	<b>Sahabuddin Sarwardi</b> , Md. Hafizul Molla, Md. Sabiar Rahman	<i>Discontinuity, Nonlinearity, and Complexity</i> , 9(3):395-419	2164-6376, 2164-6376 Scopus Indexed
Dynamics of a stage-structured-prey and predator model with linear harvesting of mature prey and predator	Md. M. Haque and <b>S. Sarwardi</b>	<i>Discontinuity, Nonlinearity, and Complexity</i> , 9(1):99-116	2164-6376, 2164-6376 Scopus Indexed
Study of a predator-prey model system with Monod-Haldane functional response	<b>N.H. Gazi</b> , M.R. Mondal, <b>S. Sarwardi</b>	<i>Discontinuity, Nonlinearity, and Complexity</i> : 9(2):229-243.	2164-6376, 2164-6376 Scopus Indexed
Mathematical analysis of an eco-epidemic model with different functional responses of healthy and infected predators on prey species	H. K. Das, A. A. Shaikh, <b>S. Sarwardi</b>	<i>Journal of Applied Nonlinear Dynamics</i>	2164-6457, 2164-6473
Analysis of Bogdanov-Takens bifurcations in a spatiotemporal harvested-predator and prey system with Beddington-DeAngelis-type response function	<b>S. Sarwardi</b> , Md. M. Haque, <b>S. Hossain</b>	<i>Nonlinear Dynamics</i>	1573-269X, 0924-090X

Title of paper	Name of the author/s	Name of journal	ISSN number
Extremal F-indices for bicyclic graphs with k pendant vertices	Ruhul Amin, <b>Sk. Md. Abu Nayeem</b>	<i>Journal of the Korean Society of Mathematical Education Series B: The Pure and Applied Mathematics</i>	1226-0657
On some properties of Abian's semiring and its zero divisor graphs	Sarifa Khatun, Jayasri Sircar, <b>Sk. Md. Abu Nayeem</b>	<i>Journal of the Indonesian Mathematical Society</i>	2086-8952
Abian's relation on semirings	Sarifa Khatun, Jayasri Sircar, <b>Sk. Md. Abu Nayeem</b>	<i>Southeast Asian Bulletin of Mathematics</i>	0129-2021
Bounds for Kirchhoff index and Laplacian-energy-like invariant of some derived graphs of a regular graph	Ruhul Amin, <b>Sk. Md. Abu Nayeem</b>	<i>Discrete Mathematics, Algorithms and Applications</i>	1793-8309
Extremal F-index of a graph with k cut edges	Ruhul Amin, <b>Sk. Md. Abu Nayeem</b>	<i>Matematicki Vesnik</i>	0025-5165
Solution of a Class of Nonlinear Matrix Equations	Shamik Pakhira, Snehasish Bose, <b>Sk. Monowar Hossein</b>	<i>Bulletin of the Iranian Mathematical Society</i>	1735-8515
On the positive definite solution of a class of pair of nonlinear matrix equations	Hasem Ali and <b>Sk. Monowar Hossein</b>	<i>Computational and Applied Mathematics</i>	Electronic ISSN 1807-0302 / Print ISSN 2238-3603
High-resolution ultrasonography in carpal tunnel syndrome : Role of ancillary criteria in diagnosis and response to steroid injection	Moumita Chatterjee	<i>Clinical Rheumatology</i>	0770-3198
Rituximab in the treatment of systemic sclerosis-related interstitial lung disease : A systematic review and meta-analysis	Moumita Chatterjee	<i>Rheumatology</i>	1462-0324

Title of paper	Name of the author/s	Name of journal	ISSN number
Effects of Covariates on alternating recurrent events in Accelerated Failure Time models	Moumita Chatterjee	<i>The International Journal of Biostatistics</i>	1557-4679

**Book, Book Chapter, etc.**

Name of the teacher	Title of the book/ chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National/ International	ISBN/ ISSN number	Affiliating Institute at the time of publication	Name of the publisher
Debashis Samanta	<i>Advances in Statistics-Theory and Applications</i>	A Simple Step-Stress Model for Lehmann family of distributions	—	—	—	978-3-030-62899-4	Aliah University	Springer International Publishing

**7. Paper Presentation/Invited Talk :**

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Sumana Pal	Series of 5 lectures on Functional Analysis	State	Advanced Research Centre of Mathematics, Lady Brabourne College, Kolkata	04.07.2020 to 31.07.2020
Sumana Pal	Partial Metric Spaces and Operators over them	International Web Conference on Advance Research in Science, Humanities and Social Science	Maharaja Bir Bikram University, Agartala, Tripura	09.07.2020 to 10.07.2020

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Sumana Pal	Hyperstructure Homomorphism associated with Lattices	International Conference on Mathematical Sciences and Applications	University of Kalyani, West Bengal	26.02.2020 to 28.02.2020
Moumita Chatterjee	Research Methodology using R	National	Palli-SiksaBhavana, Visva-Bharati, Sriniketan, Birbhum, West Bengal	26 February, 2020
Moumita Chatterjee	Effects of the covariates on the alternating recurrent events	International	International Society for Clinical Biostatisticians	25 August, 2020
Moumita Chatterjee	A Spatio temporal analysis on the spread of covid19 in India	International	LISA 2020	26 December, 2020

**8. Seminars/Workshops/Conferences/Short-Term Courses Organised :**

Name of Sem./Wor./Con.	Funded By	Date	International/ National
Webinar on "Celebrating the Birth Centenary of Prof. C. R. Rao"	—	10.09.2020	International (Online)

**9. Awards and Fellowship :**

Name of the teacher awarded national/ international fellowship/financial support	Name of the award/ fellowship	Awarding Agency
Sahabuddin Sarwardi	Financial support for research under the number 10367-cos-2020-1-3-I	Deanship Of Scientific Research (Dsr), Qassim University, KSA



## Department of Physics

### 1. Year of Establishment of the Department : 2009

### 2. About the Department :

3. The Department of Physics starts functioning in 2009, in a temporary building at DN-47, Salt Lake, Sector-V which was shifted in 2010 at the Azad Bhavan, Salt Lake, Sector-I. Initially, the department started with three faculty members, under the careful mentorship of Professor Dilip Kr. Basu, former Professor of Applied Physics, Calcutta University and ex. Vice-Chancellor of Tripura and Burdwan University, guest lecturers Prof. Santidev Ghosh retired from Rahara Ramakrishna Mission Vivekananda Centenary College and Amitava Pal retired from City College, Kolkata. In 11 November, 2014, the department was permanently moved to the present campus at Newtown. At present, the department has the strength of 8 vibrant faculty members, 2 non-teaching technical staffs, 1 Group-C staff and a good number of research scholars. Thrust areas in teaching and research of the Department spans over Atomic, Molecular and Optical Physics, Nuclear-Astrophysics Physics and Nuclear-Astrophysics, Condensed Matter Physics, Material Physics, Nano-Science, Mathematical Physics, General Theory of Relativity and Astrophysics, Foundations of Quantum Mechanics etc. Many of the faculty members have received national and international recognition for their research work in various exciting fields of interest.

### 4. Academic Programmes Offered :

3-year BSc in Physics (Hons.)

2-year MSc in Physics

PhD

### 5. Faculty Members (In alphabetical order according to Name) :

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
1	A. K. M. Maidul Islam	Assistant Professor	PhD	Condensed Matter Physics
2	Badiur Rahaman	Assistant Professor	PhD	Condensed Matter Physics
3	Jayanta Kr. Saha	Assistant Professor	PhD	Atomic, Molecular and Optical Physics
4	Md. Abdul Khan	Assistant Professor	PhD	Nuclear Physics
5	Md. Mabud Hossain	Assistant Professor	PhD	Atomic and Laser Physics

Sl. No.	Name	Designation	Academic	Area of Specialization
6	Md. Mehedi Kalam	Professor	PhD	Astrophysics
7	Muklesur Rahman	Professor	PhD	Condensed Matter Physics
8	Sk. Faruque Ahmed	Professor	PhD	Nanotechnology

#### 6. Major Areas of Research and Development :

Atomic, Molecular and Optical Physics  
 Nuclear Physics and Nuclear-Astrophysics  
 Condensed Matter Physics  
 Material Physics  
 Organic Thin Films and Devices  
 Nano-Science  
 Mathematical Physics  
 General Theory of Relativity and Astrophysics  
 Foundations of Quantum Mechanics

#### 7. Reputed Research Publications International and National Journal :

Title of paper	Name of the author/s	Name of journal	ISSN number
Structure and Elastic Properties of an Unsymmetrical Bi-Heterocyclic Azo Compound in the Langmuir Monolayer and Langmuir-Blodgett Film	Ikbal Ahmed, Tanmay Mathur, <b>A. K. M. Maidul Islam</b> , Jasper R Plaisier, Pietro Parisse, Sabu Thomas, Jayanta Kumar Bal	<i>ACS omega</i>	2470-1343 (print); 2470-1343 (web)
Electronic structure calculations of compressed Li atom using composite technique under Ritz variational framework	<b>Sk. Faruque Ahmed</b> et al.	<i>International Journal of Quantum Chemistry</i>	1097-461X
Hierarchical copper oxide as efficient enzymeless amperometric biosensor and promising photocatalyst	<b>Sk. Faruque Ahmed</b> et al.	<i>Journal of Environmental Chemical Engineering</i>	2213-3437

Title of paper	Name of the author/s	Name of journal	ISSN number
Effect of Electrode Distance on the Electron Field Emission Property for CdS Nanofibers	<b>Sk. Faruque Ahmed</b> et al.	<i>AIP Conference Proceedings</i>	1551-7616
Short-range and long-range magnetic order in Fe(Te <sub>1.5</sub> Se <sub>0.5</sub> )O <sub>5</sub> Cl	E. S. Kozlyakova, K. N. Denisova, A. A. Eliseev, A. V. Moskin, A. Y. Akhrorov, P. S. Berdonosov, V. A. Dolgikh, <b>B. Rahaman</b> , S. Das, T. Saha-Dasgupta, P. Lemmens, A. N. Vasiliev, and O. S. Volkova	<i>Phys. Rev. B.</i> Vol. 102, Page : 214405	—
Thermodynamic and resonant properties of mixed spin compounds ACuFe <sub>2</sub> (VO <sub>4</sub> ) <sub>3</sub> (A = Li, Na)	A. Koshelev, L. Shvanskaya, O. Volkova, K. Zakharov, F. Theuss, C. Koo, R. Klingeler, S. Kamusella, H. H. Klauss, S. Kundu, S. Bachhar, A. V. Mahajan, P. Khuntia, D. Khanam, <b>B. Rahaman</b> , T. Saha-Dasgupta, A. Vasiliev	<i>Journal of Alloys and Compounds</i> Vol. 842, Page :155763	—
Study of multi-window electromagnetically induced transparency (EIT) and related dispersive signals in V-type systems in the Zeeman sublevels of hyperfine states of 87Rb-D2 line	R. Hazra and <b>Md. M. Hossain</b>	<i>Journal of Physics B : At. Mol. Opt. Phys.</i>	0953-4075
Theoretical study on the control of absorption, transparency and amplification in a microwave and rf driven four-level ( $\Delta + \nabla$ )-type closed-contour interaction system	A. Das, J. K. Saha and <b>Md. M. Hossain</b>	<i>Journal of Physics B : At. Mol. Opt. Phys.</i>	0953-4075

Title of paper	Name of the author/s	Name of journal	ISSN number
Structural properties of hydrogen-like ions ( $Z = 1-18$ ) under quantum and classical plasma environment	Sujay Kr. Nayek, Santanu Mondal, <b>Jayanta K. Saha</b>	<i>Atomic Data and Nuclear Data Tables</i>	0092-640X
Critical Stability and Quantum Phase Transition of Two-electron System under Exponential-CosineScreened-Coulomb Interaction	Anjan Sadhukhan, Sujay Kr. Nayek and <b>Jayanta K. Saha</b>	<i>European Physical Journal D</i>	1434-6079
Nematic-cybotactic nematic phase Transition in a liquid crystal : A dielectric spectroscopic study	Nasrin, A.K. Nasir, Lipi S. Ghosh, A. Yoshizawa and <b>M. Rahman</b>	<i>Mater. Res. Express</i>	2053-1592
Does dark matter admixed pulsar exist?	Sajahan Molla, Bidisha Ghosh, <b>Md. Mehedi Kalam</b>	<i>The European Physical Journal Plus</i> Vol. 135 No. 4 , 362.	—
Possible existence of dark matter admixed pulsar	Nilofar Rahman, Sajahan Molla, <b>Md. Mehedi Kalam</b>	<i>The European Physical Journal Plus</i> Vol. 135 No. 8, 1-15.	—
A theoretical construction of thin-shell wormhole from regular charged black holes	Nilofar Rahman, Masum Murshid, Farook Rahaman, <b>Md. Mehedi Kalam</b>	<i>International Journal of Modern Physics A</i> Vol. 35, No. 23, 2050136	—
Analytical model of millisecond pulsar PSR J0514-4002A	Sajahan Molla, Bidisha Ghosh, <b>Md. Mehedi Kalam</b>	<i>The European Physical Journal Plus</i> Vol.135 No. 10, 1-18.	—
Hyperspherical Few-Body Model Calculation for Cascade $\Xi$ Exotic Hypernuclei with Reference to Nuclear Drip Lines	<b>Md. A. Khan</b> , M. Alam, M. Hasan, S.H. Mondal	<i>Bulgarian Journal of Physics</i> Vol. 47 (2020) 87-101	ISSN : Print : 1310-0157 Online : 1314-2666

## 8. Paper Presentation/Invited Talk :

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Md. Abdul Khan	An investigation to the bound and resonance states of strange exotic $\Sigma$ -hypernuclei	13 International Conference on Plasma Science and Applications (ICPSA-2020) (Virtual)	Department of Physics, Ravenshaw University, Cuttack, India	26-28 December, 2020
Md. Abdul Khan	Possible Existence of Resonances in Weakly Bound $^{42}\text{Mg}$ Nuclei Formed by Plasma Near the Nuclear Drip-lines	13 International Conference on Plasma Science and Applications (ICPSA-2020) (Virtual)	Department of Physics, Ravenshaw University, Cuttack, India	26-28 December, 2020
Md. Abdul Khan	Investigation of Fusion Cross-Section of Low Mass Nuclei in the Sub-barrier Energy Range	13 International Conference on Plasma Science and Applications (ICPSA-2020) (Virtual)	Department of Physics, Ravenshaw University, Cuttack, India	26-28 December, 2020
A. K. M. Maidul Islam	X-Ray Photoemission and Absorption Study of the Interface Formed between $\text{F16CuPc}$ and metal (metal oxide)	International Conference (2nd Materials Conclave and 31st AGM)	Materials Research Society of India (Kolkata Chapter) CGCRI, Kolkata	11-14 February, 2020
Badiur Rahaman	Electronic properties and microscopic modeling of Polymeric Fe(II) triazole	International conference on Evolution of Electronic Structure Theory and Experimental Realization (EESTER-2020)	SRM University, IIT Madras and Upsala University, Sweden	14-18 December, 2020

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Badiur Rahaman	Short-range and long-range magnetic order in $\text{Fe}(\text{Te}_{1.5}\text{Se}_{0.5})\text{O}_5\text{Cl}$	International conference on Semiconductor materials and Devices, ISSMD-2020	NITJ and SSD	31.10.2020-02.11.2020
Md. Mehedi Kalam	Wormhole in Galactic halos	International Webinar on A Glimpse into Astrophysics and Cosmology	Dept. of Physics, New Alipore College, Kolkata	09 August, 2020
Md. Mehedi Kalam	Does wormhole exist in Galactic halos?	International Webinar on Challenges and Innovations in Computational Astrophysics-II	Organized by International Astronomical Union (IAU), Paris, France	18 - 21 November, 2020

**9. Seminars/Workshops/Conferences/Short-Term Courses Organised :**

Name of Sem./Wor./Con.	Funded By	Date	International/ National
Lecture Series on Introduction to Field Theory : LSIFT-2020	Aliah University	2020 : Phase-I : 22-23 November, 27-30 November, 4-6 December	—

**10. Awards and Fellowship :**

Name of the teacher awarded national/ international fellowship/ financial support	Name of the award/ fellowship	Awarding Agency
Md. Mehedi Kalam	Individual Membership	International Astronomical Union (IAU), Paris, France

## Department of Nursing

### 1. Year of Establishment of the Department : 2016

### 2. About the Department :

Department of Nursing of Aliah University is a new initiative to encourage female education, to help students acquire basic and sound technical and scientific knowledge and skills in the nursing profession. Department of Nursing has been established in the year 2016 with its first batch of BSc Nursing course with 60 annual intake.

Under Aliah University, Department of Nursing is affiliated with West Bengal Nursing Council and Indian Nursing Council.

It is always the core objective of the department to impart quality knowledge and training to the students to prepare them a good professional as well as a citizen of this country and to develop awareness and carry forward their social responsibilities.

### Key Features of Department of Nursing, Aliah University

- Recognized by state and Indian Nursing Council; approved by Government of West Bengal
- Focuses on nursing excellence i.e. clinical expertise, quality management and professionalism
- Equipped with the modern educational system
- Values personal grooming
- Competent and experienced nursing faculty members
- Encourages students to shine in extracurricular activities
- Provides opportunities to engage in community services
- Provides opportunities to grow in the diverse culture of the campus

### Philosophy

The faculty members of the Department of Nursing believe in

- contributing to the creation of innovation-oriented society and develop new solutions that elevate the quality of life by utilizing up-to-date knowledge
- disseminating professional knowledge, skill and non-judgmental holistic care towards the patient in a resourceful way as per global standards
- fostering all-round development of students, professionally and personally with academic and extracurricular events
- acting as a role model and mentor to inculcate confidence and leadership qualities among students

- ongoing feedback and evaluation process which will contribute to the continuous development of student's performance and help them in growing into effective professionals

### Vision

The Department of Nursing strives for outstanding educational outcomes exemplified by graduates who will be recognized for excellence, leadership and compassionate care.

### Mission

- to promote professionalism by quality and value driven education with a global outlook
- to make learning an exciting experience that inspires learners to reach clinical practices with their full potential as lifelong learners
- to train young professionals for leadership to respond to the health care needs of the public
- to foster synergy and integration between research, education and practice by promoting interdisciplinary collaboration and partnership
- to provide an educational foundation to promote self-reliance, cultural competence, ethical sensitivity, leadership and lifelong learning in the nursing profession
- to attract and retain the best professional talents through continuous professional and personal developments, reward honour for excellence.

**Medium of Instruction :** The Medium of Instruction and Examination is English.

**3. Academic Programmes Offered :** 4-year BSc Nursing Program (Only for female candidates)

### 4. Faculty Members (In Alphabetical Order According to Name)

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
1	Ishita Mandal	Assistant Professor	MSc	Child Health Nursing
2	Lipika Mondal	Assistant Professor	MSc	Mental Health Nursing
3	Moumita Bishnu Roy	Assistant Professor	MSc	OBG Nursing
4	Maheswari Thapa	Assistant Professor	MSc	Medical Surgical Nursing
5	Nargis Ahamed	Professor	MSc	Child Health Nursing
6	Rumi Sen	Associate Professor	MSc	Community Health Nursing
7	Sk. Rehena Khatun	Nursing Tutor	MSc, MBA	Medical Surgical Nursing, Hospital Administration
8	Syamali Singh Mandal	Nursing Tutor	BSc	–



Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
9	Syeda Samsunahar	Nursing Tutor	MSc	Child Health Nursing
10	Syed Monalisa Hasan	Nursing Tutor	BSc	—
11	Usha Mallick	Associate Professor	MSc, MBA	Child Health Nursing, Health Care Management

### 5. Major Areas of Research and Development :

3-year BSc Nursing students are conducting group research studies with the following problem statement :

**Group A :** Effectiveness of Rabindrik therapeutic music intervention on stress level among homemaker women in rural area, West Bengal.

**Group B :** A study to assess the knowledge on exclusive breast feeding and weaning among the postnatal mothers in a selected hospital, Kolkata.

**Group C :** Assessment of knowledge, attitude and quality of life among caregivers of thalassaemic children admitted in selected hospital, Kolkata.

**Group D :** Knowledge and attitude regarding COVID-19 pandemic among students of selected college, Kolkata.

### 6. Reputed Research Publications International and National Journal :

Title of paper	Name of the author/s	Name of journal	ISSN number
Comprehensive Nursing Approach in Cognitive problem Identification by the nurses in care of CVA Clients : An application of Roy's Adaptation Model	Usha Mallick	<i>Studies In Indian Place Name</i>	2394-3114
Stress and Coping mechanism among colostomy patient	Usha Mallick	<i>International Journal of Multi-Disciplinary Educational Research</i>	2277-7881
To determine the effect of mentoring on developing nursing competencies among the newly joined staff nurse	Usha Mallick	<i>Indian Journal of Applied Research</i>	2249-555X

Title of paper	Name of the author/s	Name of journal	ISSN number
A study to determine the effect of using clippers in reducing surgical site infections among the post operative abdominal surgery patients in a selected private hospital in Kolkata	Usha Mallick	<i>Journal of Emerging Technology and Innovative Research</i>	2349-5162
A study to access the effectiveness of Induction Training programme among the newly joined staff nurses at selected private hospital, Kolkata	Usha Mallick	<i>International journal of Nursing Research and Practice</i>	2350-1324
Effectiveness of Rabindra Sangeet and Rabindra Nritya on level of stress among mothers of children with ASD	Ishita Mondal, Lipika Mondal and Moumita Bishnu Roy	<i>Sustainable Humanosphere (International)</i>	1880 - 6503
A study to find effectiveness of a self instructional module on nurses knowledge of monitoring patient with mechanical ventilator in critical care units of selected hospital, Kolkata	Sk. Rehana Khatun	<i>Purakala</i>	0971-2143

**Book, Book Chapter, etc.**

Name of the teacher	Title of the book/ chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National/ International	ISBN/ ISSN number	Affiliating Institute at the time of publication	Name of the publisher
Lipika Mondal	Rabindra Nritya : Reduce stress among home maker women and enhance	—	—	International Conference on Women Empowerment	—	978-81-946098-0-3	—	Global Publisher

Name of the teacher	Title of the book/ chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National/ International	ISBN/ ISSN number	Affiliating Institute at the time of publication	Name of the publisher
	positive attitude towards women empowerment at selected area, West Bengal							
Usha Mallick	<i>Emerging Trends in Education</i>	A study to assess the effectiveness of Induction Training Programme among the newly joined staff nurses at selected private hospital in Kolkata	Proceeding of One day International Conference on Emerging Trends in Education	One day International Conference on Emerging Trends in Education	International	978093-87229-12-9	Aliah University	ABS Books Publishers

#### 7. Paper Presentation/Invited Talk :

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Usha Mallick	Leadership skill	National conference	TNAI , New Delhi	02.01.2020
Usha Mallick	Stress and coping of colostomy patients	International Conference	Jadavpur University	04.01.2020

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Usha Mallick	Adolescent Health	State level Webinar	IINR , Kalyani	09.05.2020
Usha Mallick	Nurse Entrepreneur	National level Webinar	The Nurse, Editor, Chennai	10.05.2020
Usha Mallick	Covid19 pandemic and post lockdown impact Faculty concerns regarding curriculum completion	State level Webinar	Dept of Nursing, Aliah University	12.05.2020
Usha Mallick	My fight against Covid 19	International Webinar	MIIM , Kerela	26.05.2020
Usha Mallick	Induction programme	National E-conference	Biswas school and college of Nursing , Odisha	17-18 July, 2020
Usha Mallick	Support Breast feeding for Healthier planet	State E-Conference	TNAI, WB Branch	09.08.2020
Usha Mallick	Move for Mental Health : Let's invest	State E-Conference	TNAI , WB Branch	10.10.2020
Usha Mallick	Fundamentals of Nursing Care	State Conference	Life line Nursing Home, Kolkata	14.10.2020

**8. Seminars/Workshops/Conferences/Short-Term Courses Organised :**

Name of Sem./Wor./Con.	Funded By	Date	International/ National
Seminar on International Women's Day 2020 on 11.03.2020.	-	11.03.2020.	State
Seminar on "Cancer : Raising Awareness and Sharing Information" on 04.02.2020	Online	04.02.2020	State

<b>Name of Sem./Wor./Con.</b>	<b>Funded By</b>	<b>Date</b>	<b>International/ National</b>
Online lecture on "Dementia Awareness" by Nilanjan Moulik in collaboration with ARDSI.	Online	21.08.2020	State
Online 3 days Meditation programme	Online	18.10.2020 to 20.10.2020	State

# Engineering and Technology

- Civil Engineering
- Computer Science and Engineering
- Electrical Engineering
- Electronics and Communication Engineering
- Mechanical Engineering



## Department of Civil Engineering

**1. Year of Establishment of the Department : 2008**

**2. About the Department :**

Civil Engineering is considered to be the most versatile branch among all the engineering branches. It is the branch with a lot of diversity from Structural engineering to Geotechnical engineering, environmental to hydraulics, transportation to hydrology. Civil Engineering can be considered as a single largest branch among all the engineering branches. The vision of the department is to give an exposure to budding civil technocrats to various challenges in the profession. The Department of Civil Engineering since its formation is committed to research and development in Civil Engineering.

**3. Academic Programmes Offered :** 4-year BTech Programme in Civil Engineering, 2-year MTech Programme in Structural Engineering, Geotechnical Engineering and Water Resources Engineering.

**4. Faculty Members (In alphabetical order according to Name) :**

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
1	Abhijit Mondal	Asstt. Prof.	MTech	Transportation Engg.
2	Jafar Sadak Ali	Asstt. Prof.	PhD	Structural Engg.
3	Md. Raghieb Adil	Asstt. Prof.	MTech	Structural Engg.
4	Md. Wasim Akram	Asstt. Prof.	MTech	Geotechnical Engg.
5	Mohsin Jamal	Asstt. Prof.	MTech	Geotechnical Engg.
6	Nehal Ahmad	Asstt Prof.	MTech	Water Resources Engg.
7	Sk. Safayat Ali	Assoc. Prof.	PhD	Water Resources Engg.
8	Supia Khatun	Asstt. Prof.	PhD	Geotechnical Engg.

**5. Major Areas of Research and Development :**

Structural Engineering, Geotechnical Engineering, Water Resources Engineering

**6. Reputed Research Publications :**

**International and National Journal**

Title of paper	Name of the author/s	Department of the teacher	Name of journal	ISSN number
Application of Artificial Neural Network for Optimal Operation	Safayat Ali Shaikh	Civil Engineering	<i>Sustainable Water Resources Management</i>	DOI : 10.1007/s40899-020-00411-w (Springer-Nature)



Title of paper	Name of the author/s	Department of the teacher	Name of journal	ISSN number
of a Multi-purpose Multi-reservoir System, I : Initial Solution and Selection of Input Variables				
Application of Artificial Neural Network for Optimal Operation of a Multi-purpose Multi-reservoir System, II : Optimal Solution and Performance Evaluation	Safayat Ali Shaikh	Civil Engineering	<i>Sustainable Water Resources Management</i>	DOI : 10.1007/s40899-020-00423-6 (Springer-Nature)
Prediction of CBR value of fine grained soils of bengal basin by genetic expression programming, artificial neural network and krigging method	Kamrul Alam, <b>Abhijit Mondal,</b> Amit Shiuly	Civil Engineering	<i>Journal of the Geological Society of India</i>	DOI : 10.1007/s12594-020-1409-0 (Springer)

## Department of Computer Science and Engineering

### 1. Year of Establishment of the Department : 2009

### 2. About the Department :

The Department of Computer Science and Engineering started functioning in the year 2009 with three courses namely 4-year B Tech in Computer Science and Engineering, 5-year Integrated MSc in Computer Science and 5-year Integrated Master of Computer Application. In the year 2013, the department started a 2-year MTech programme in Computer Science and Engineering. Later in the year 2015, the department started a 3-year Post Graduate Programme in Master of Computer Application.

The Department currently has Seventeen (17) efficient permanent faculty members, some guest faculty members, one Technical Assistant and two other staffs to run the courses smoothly. Good teacher-student relationship and well-equipped laboratories with modern software and hardware amenities help the department meet the current demand of industry and academia. In addition, the department is maintaining a steady growth in academic and research activities, which play an important role in bringing a healthy and vibrant academic environment.

The Department has great laboratory facilities for the smooth running of the academic programmes. The department currently maintains four software laboratories viz., Programming Lab-I, Programming Lab-II, Database Lab and Network laboratory and one hardware laboratory equipped with microprocessor kits, microprocessor interfacing kits etc. Also, the Department has a plan to set up two more laboratories, one Computer Vision laboratory, one IoT and Cloud Computing laboratory, one Data Mining and BioInformatics and one advanced Networking Laboratory. Besides, the Department has state-of-the-art research laboratories for post graduate students and research scholars.

The Department receives financial assistance and projects from different Government and non-Government sources on regular basis.

### 3. Academic Programmes Offered :

BTech, MTech, BCA, MCA, PhD

### 4. Faculty Members (In alphabetical order according to Name) :

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
1	Abhishek Das	Associate Professor	PhD	Medical Image Processing, Machine Learning, Data Science, IoT
2	Ahsan Mullick	Assistant Professor	MTech	Blockchain, Machine Learning

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
3	Amina Khatun	Assistant Professor	MTech	Machine Learning, WSN, IoT
4	Ayatullah Faruk Mollah	Assistant Professor	PhD	Data Science, Deep Learning, Computer Vision, Bioinformatics
5	Khondekar Lutful Hassan	Assistant Professor	MTech	Wireless network, Network Security, Data science
6	Md. Azharuddin	Assistant Professor	PhD	Wireless sensor networks, IoT, Fog Computing, Data science
7	Moumita Chatterjee	Assistant Professor	MTech	Machine learning, NLP, Distributed Computing
8	Nashreen Nesa	Assistant Professor	PhD	Machine Learning, IoT, WSN
9	Saiyed Umer	Assistant Professor	PhD	Biometric, Computer Vision, Deep Learning, Data Science, Business Data Analytics
10	Sk. Golam Sarowar Hossain	Assistant Professor	MTech	Machine Learning , Image processing and Deep Learning
11	Sk. Md. Mosaddek Hossain	Assistant Professor	MTech	Bioinformatics, Machine Learning, Data Science, Deep Learning
12	Sk. Md. Obaidullah	Associate Professor	PhD	Deep Learning, Biometrics, Medical Image Analysis
13	Souvik Sengupta	Associate Professor	PhD	Machine Learning, Data Science, Medical Image Analysis, NLP
14	Sumanta Ray	Assistant Professor	PhD	Data Science, Bioinformatics, Machine Learning, Feature Engineering
15	Tapas Bhadra	Assistant Professor	PhD	Data Mining, Pattern Recognition, Bioinformatics

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
16	Zafar Sarif	Assistant Professor	MTech	Fog computing and Machine Learning.
17	Zeenat Rehena	Assistant Professor	PhD	IoT, Machine Learning, WSN

**5. Major Areas of Research and Development :**

- Image Processing and Computer Vision
- Machine Learning and Pattern Recognition
- Networking and Wireless Sensor Networks
- Internet of Things (IoT) and Big Data
- Data Mining and Bioinformatics

**6. Reputed Research Publications :**

**International and National Journal**

Title of paper	Name of the author/s	Department of the teacher	Name of journal
Identifying Language from Songs	Himadri Mukherjee, Ankita Dhar, <b>Sk. Md. Obaidullah</b> , K C Santosh, Santanu Phadikar and Kaushik Roy	Computer Science and Engineering	<i>Multimedia Tools and Applications, Springer (SCIE)</i>
Shallow Convolutional Neural Network for COVID-19 Outbreak Screening using Chest X-rays	Himadri Mukherjee, Subhankar Ghosh, Ankita Dhar, <b>Sk. Md. Obaidullah</b> , K C Santosh and Kaushik Roy	Computer Science and Engineering	<i>Cognitive Computation, Springer (SCIE)</i>
Deep Neural Network to Detect COVID-19 : One Architecture for both Chest X-rays and CT Scans	Himadri Mukherjee, Subhankar Ghosh, Ankita Dhar, <b>Sk. Md. Obaidullah</b> , K C Santosh and Kaushik Roy	Computer Science and Engineering	<i>Applied Intelligence, Springer (SCIE)</i>

Title of paper	Name of the author/s	Department of the teacher	Name of journal
Radon-Wavelet based novel image descriptor for mammogram mass classification	<b>Sk. Md. Obaidullah</b> , Sajib Ahmed, Teresa Goncalves, Luis Rato	Computer Science and Engineering	<i>Journal of Automation, Mobile Robotics and Intelligent Systems, Polish Academy of Sciences (SCOPUS)</i>
Segregation of Songs and Instrumentals - a Precursor to Voice/ Accompaniment Separation from Songs in Noisy Scenario	Himadri Mukherjee, <b>Sk. Md. Obaidullah</b> , K. C. Santosh, Teresa Goncalves, Santanu Phadikar and Kaushik Roy	Computer Science and Engineering	<i>Journal of Automation, Mobile Robotics and Intelligent Systems, Polish Academy of Sciences (SCOPUS)</i>
Ensemble Learning Based Technique for the Assessment of Fetal Health using Cardiotocograph – A case study with standard feature reduction techniques	Sahana Das, Himadri Mukherjee, <b>Sk. Md. Obaidullah</b> , Chanchal Saha and Kaushik Roy	Computer Science and Engineering	<i>Multimedia Tools and Applications, Springer (SCIE)</i>
Cardiotocograph-based labor stage classification from uterine contraction pressure during ante-partum and intra-partum period : A fuzzy theoretic approach	Sahana Das, <b>Sk. Md. Obaidullah</b> , Chanchal Saha and Kaushik Roy	Computer Science and Engineering	<i>Health Information Science and Systems, Springer (SCOPUS)</i>
Image-based feature for speech signal classification	Himadri Mukherjee, Ankita Dhar, <b>Sk. Md. Obaidullah</b> , Santanu Phadikar and Kaushik Roy	Computer Science and Engineering	<i>Multimedia Tools and Applications, Springer (SCIE)</i>
A Linear Regression and Deep Learning Approach for Detecting Reliable Genetic Alterations in Cancer Using DNA Methylation and Gene Expression Data	Saurav Mallik, Soumita Seth, <b>Tapas Bhadra</b> and Zhongming Zhao	Computer Science and Engineering	<i>Genes (SCIE)</i>

Title of paper	Name of the author/s	Department of the teacher	Name of journal
An Ultra Robust Session Key Based Image Cryptography	H. N. Khan, A. Chaudhuri, <b>Abhishek Das</b> , A. Chaudhuri	Computer Science and Engineering	<i>Microsystem Technologies, Springer Nature, (SCI)</i>
CODC : A copula based model to identify differential coexpression	<b>Sumanta Ray</b> , Snehalika Lall and Sanghamitra Bandyopadhyay	Computer Science and Engineering	<i>npj System Biology and Applications (Nature Research Journal) (SCI)</i>
Transition from Social Vulnerability to Resiliency `vis` a-vis COVID-19	Saumyadipta Pyne, <b>Sumanta Ray</b> , Ranaan Gurewitsch and Meghana Aruru	Computer Science and Engineering	<i>Statistics and Applications</i>
Road Traffic Outlier Detection Technique based on Linear Regression	Md Ashifuddin Mondal, <b>Zeenat Rehena</b>	Computer Science and Engineering	<i>Procedia Computer Science</i>
A Mechanism for Air-health Monitoring in Smart City using Context-aware Computing	Banani Ghose, <b>Zeenat Rehena</b>	Computer Science and Engineering	<i>Procedia Computer Science</i>
Gossip-based fault-tolerant load balancing algorithm with low communication overhead	<b>Moumita Chatterjee</b> , A Mitra, S. Roy, S. K. Setua	Computer Science and Engineering	<i>Computer and Electrical Engineering Elsevier (SCI-E)</i>
Design and data analytics of electronic human resource management activities through Internet of Things in an organization	<b>Nasreen Nasar</b> , Sumati Ray, <b>Saiyed Umer</b> , Hari Mohan Pandey	Computer Science and Engineering	<i>Software : Practice and Experience, Wiley (SCI)</i>
A Novel Cancelable Face Hashing Technique Based on Non-invertible Transformation with Encryption and Decryption Template	Alamgir Sardar, <b>Saiyed Umer</b> , Chiara Pero, Michele Nappi	Computer Science and Engineering	<i>IEEE Access (SCI)</i>

Title of paper	Name of the author/s	Department of the teacher	Name of journal
Machine Learning Method for Cosmetic Product Recognition : A Visual Searching Approach	<b>Saiyed Umer,</b> Partha Pratim Mohanta, Ranjeet Kumar Rout, Hari Mohan Pandey	Computer Science and Engineering	<i>Multimedia Tools and Applications (SCI)</i>
Facial Expression Recognition with trade-offs between Data Augmentation And Deep Learning Features	<b>Saiyed Umer,</b> Ranjeet Kumar Rout, Chiara Pero, Michele Nappi	Computer Science and Engineering	<i>Journal of Ambient Intelligence and Humanized Computing (SCI)</i>
Deep Learning Approaches to Scene Text Detection : A Comprehensive Review	Tauseef Khan, Ram Sarkar and <b>Ayatullah Faruk Mollah</b>	Computer Science and Engineering	<i>Artificial Intelligence Review, Sprnger (SCIE)</i>
Journey of Scene Text Components Recognition : Progress and Open Issues	Payel Sengupta and <b>Ayatullah Faruk Mollah</b>	Computer Science and Engineering	<i>Multimedia Tools and Applications, Springer (SCIE)</i>
Language identification from multilingual scene text images : A CNN based classifier ensemble approach	Neelotpal Chakraborty, Soumyadeep Kundu, Sayantan Paul, <b>Ayatullah Faruk Mollah,</b> Subhadip Basu and Ram Sarkar	Computer Science and Engineering	<i>Journal of Ambient Intelligence and Humanized Computing, Springer (SCIE)</i>
BOB : A Bi-level Overlapped Binning procedure for Scene Word Binarization	Indra Narayan Dutta, Neelotpal Chakraborty, <b>Ayatullah Faruk Mollah,</b> Subhadip Basu and Ram Sarkar	Computer Science and Engineering	<i>Multimedia Tools and Applications, Springer (SCIE)</i>
Application of daisy descriptor for language identification in the wild	Neelotpal Chakraborty, Agneet Chatterjee, Pawan Kumar Singh, <b>Ayatullah Faruk Mollah</b> and Ram Sarkar	Computer Science and Engineering	<i>Multimedia Tools and Applications, Springer (SCIE)</i>

Title of paper	Name of the author/s	Department of the teacher	Name of journal
Handwritten Arabic Numerals Recognition using Convolutional Neural Network	Pratik Ahamed, Soumyadeep Kundu, Tauseef Khan, Vikrant Bhateja, Ram Sarkar and <b>Ayatullah Faruk Mollah</b>	Computer Science and Engineering	<i>Journal of Ambient Intelligence and Humanized Computing, Springer (SCIE)</i>
Multi-lingual Scene Text Detection using Gradient Morphology	Dibyajyoti Dhar, Neelotpal Chakraborty, Sayan Choudhury, Ashis Paul, <b>Ayatullah Faruk Mollah,</b> Subhadip Basu and Ram Sarkar	Computer Science and Engineering	<i>International Journal of Computer Vision and Image Processing</i>
Multi-lingual scene text detection and language identification	Shaswata Saha, Neelotpal Chakraborty, Soumyadeep Kundu, Sayantan Paul, <b>Ayatullah Faruk Mollah,</b> Subhadip Basu and Ram Sarkar	Computer Science and Engineering	<i>Pattern Recognition Letters, Elsevier (SCIE)</i>
Hand signs recognition from depth images with multi-scale density features for deaf mute persons	Taniya Sahana, Soumi Paul, Subhadip Basu and <b>Ayatullah Faruk Mollah</b>	Computer Science and Engineering	<i>Procedia Computer Science, Elsevier (Scopus)</i>
Text non-text classification based on area occupancy of equidistant pixels	Tauseef Khan and <b>Ayatullah Faruk Mollah</b>	Computer Science and Engineering	<i>Procedia Computer Science, Elsevier (Scopus)</i>



## Book, Book Chapter, etc.

Name of the teacher	Title of the book/ chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National/ International	ISBN/ISSN number of the proceeding	Name of the publisher
Sk. Md. Obaidullah	<i>Advances in Intelligent Systems and Computing</i>	A Deep Learning Approach with Line Drawing for Isolated Online Bangla Character Recognition	Proceedings of the Sixth International Conference on Mathematics and Computing (ICMC 2020)	6th International Conference on Mathematics and Computing (ICMC 2020)	International	978-981-15-8061-1	Springer
Sk. Md. Obaidullah	<i>COVID-19: Prediction, Decision-Making, and its Impacts</i>	COVID-19: A Necessity for Changes and Innovations	Lecture Notes on Data Engineering and Communications Technologies	—	—	978-981-15-9682-7	Springer
Sk. Md. Obaidullah	—	Towards Accurate Identification and Removal of Shirorekha from off-line Hand-written Devanagari Documents	Frontiers in Hand-writing Recognition (ICFHR), 2020	17th International Conference on Frontiers in Hand-writing Recognition (ICFHR 2020)	International	978-1-7281-9966-5	IEEE

Name of the teacher	Title of the book/ chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National/ International	ISBN/ISSN number of the proceeding	Name of the publisher
Nashreen Nesa	<i>Lecture Notes in Computer Science</i>	Combining Merkle Hash Tree and Chaotic Cryptography for Secure Data Fusion in IoT	Transactions on Computational Science XXXV (Springer)	6th International Doctoral Symposium on Applied Computation and Security Systems (ACSS-2019)	International	978-3-662-61091-6	Springer
Nashreen Nesa	<i>Advances in Intelligent Systems and Computing</i>	A Lightweight Security Protocol for IoT using Merkle Hash Tree and Chaotic Cryptography	Advanced Computing and Systems for Security	6th International Doctoral Symposium on Applied Computation and Security (ACSS-2019)	International	978-981-13-8968-9	Springer
Abhishek Das	<i>Reference Module in Materials Science and Materials Engineering</i>	Carbon Footprint Reduction Instrument	—	—	International	—	Elsevier
Abhishek Das	—	Segmentation of Blood Vessel Structure from the Retinal Image	—	—	National	0091-5871	Indian Medical Journal

Name of the teacher	Title of the book/ chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National/ International	ISBN/ISSN number of the proceeding	Name of the publisher
		using Neighborhood Adaptive Line Structuring Element					
Abhishek Das	—	An Enhanced Artificial Intelligence-Based Model for Automatic Detection of Level of Severity in Diabetic Retinopathy	—	—	National	0091-5871	Indian Medical Journal
Sumanta Ray	—	Identifying novel SARS-CoV2-human protein interactions using graph embedding	ISMB-2020, COVID special track	28th International Conference on Intelligent Systems for Molecular Biology (ISMB)	International	1460-2059	Oxford University press
Zeenat Rehena	<i>Interoperability in IoT for Smart Systems</i>	Internet of Things : Challenges and Its Applications	—	—	International	<a href="https://doi.org/10.1201/9781003055976">https://doi.org/10.1201/9781003055976</a>	—

Name of the teacher	Title of the book/ chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National/ International	ISBN/ISSN number of the proceeding	Name of the publisher
Zeenat Rehena	<i>Advances in Intelligent Systems and Computing book series</i>	A Deep Learning Approach for Predicting Air Pollution in Smart Cities	Computational Intelligence and Machine Learning	Proceedings of the 7th International Conference on Advanced Computing, Networking, and Informatics (ICACNI 2019)	International	<a href="https://doi.org/10.1007/978-981-15-8610-1">https://doi.org/10.1007/978-981-15-8610-1</a>	—
Zeenat Rehena	<i>Advances in Intelligent Systems and Computing book series</i>	An IoT-Based Congestion Control Framework for Intelligent Traffic Management System	Advances in Artificial Intelligence and Data Engineering	—	International	<a href="https://doi.org/10.1007/978-981-15-3514-7_96">https://doi.org/10.1007/978-981-15-3514-7_96</a>	Aliah University
Zeenat Rehena	<i>Lecture Notes in Electrical Engineering series</i>	Air Quality Prediction using Regression Models	Artificial Intelligence, Machine Learning and their Applications	International Conference on Advances and Applications of Artificial Intelligence and Machine Learning	International	—	Aliah University

Name of the teacher	Title of the book/ chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National/ International	ISBN/ISSN number of the proceeding	Name of the publisher
Moumita Chatterjee	<i>Advancement of Machine Intelligence in Interactive Medical Image Analysis</i>	Glaucoma Detection from Retinal Fundus Images Using RNFL Texture Analysis	—	—	—	978-981-15-1099-1	Springer
Ayatullah Faruk Mollah	<i>Machine Learning for Intelligent Multimedia Analytics : Techniques and Applications</i>	A Framework for Multilingual Scene Text Detection using K-means++ and Memetic Algorithms	—	—	International	978-981-15-9491-5	Springer
Ayatullah Faruk Mollah	<i>Proceedings of International Conference on Frontiers in Computing and Systems</i>	A Bright-on-Dark Dark-on-Bright Approach to Multilingual Scene Text Detection	Proceedings of International Conference on Frontiers in Computing and Systems	International Conference on Frontiers in Computing and Systems	International	978-981-15-7833-5	Springer

Name of the teacher	Title of the book/ chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National/ International	ISBN/ISSN number of the proceeding	Name of the publisher
Ayatullah Faruk Mollah	<i>Proceedings of International Conference on Frontiers in Computing and Systems</i>	Component level script classification benchmark with CNN on AUTNT dataset	Proceedings of International Conference on Frontiers in Computing and Systems	International Conference on Frontiers in Computing and Systems	International	978-981-15-7833-5	Springer
Ayatullah Faruk Mollah	<i>Soft Computing Techniques and Applications</i>	Scene character recognition with morphological filtering and HOG features	Proceedings of the International Conference on Computing and Communication (IC3 2020)	International Conference on Computing and Communication	International	978-981-15-7393-4	Springer

**7. Paper Presentation/Invited Talk :**

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Abhishek Das	Invited Talk at the IEEE Day Celebrations	IEEE Bangladesh Section (Region10)	BUET, Dhaka.	09 October, 2020
Abhishek Das	Keynote Address on "Machine Learning Fundamentals"	National Webinar on "Recent Trends in Computational Mathematics and It's Applications"	Sri Guru Tegh Bahadur Khalsa College, Jabalpur, M. P.	17 June, 2020

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Abhishek Das	Invited talk on the topic "Emerging Technologies"	International Conference/ webinar on "Emerging Technologies"	Techno India	27 August, 2020
Abhishek Das	Invited Lecture on "Machine Learning for Images"	National Seminar on Machine Learning	Government Degree College, Singur	09 August, 2020
Abhishek Das	Invited Talk on "Deep Learning Fundamentals"	National Webinar on Emerging Trends	Pailan college of management and technology, Kolkata	05 June, 2020
Ayatullah Faruk Mollah	Hand signs recognition from cell-phone camera captured images for deaf-mute persons	International Conference on Recent Trends in Advanced Computing- Artificial Intelligence and Technology (ICRTAC-AIT)	VIT Chennai, India	17-18 December, 2020
Ayatullah Faruk Mollah	Scene character recognition with morphological filtering and HOG features	Int. Conf. on Computing and Communication (IC3)	SMIT, India	13-14 July, 2020
Ayatullah Faruk Mollah	Component-level Script Classification Benchmark with CNN on AUTNT Dataset	International Conference on Frontiers in Computing and Systems (COMSYS-2020)	Jalpaiguri Government Engineering College, West Bengal, India	13-15 January, 2020

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Zeenat Rehena	Air Quality Prediction using Regression Models	International Conference on Advances and Applications of Artificial Intelligence and Machine Learning- ICAAIML 2020	Sharda University, Greater Noida	29-30 October, 2020
Sumanta Ray	Identifying novel SARS-CoV2-human protein interactions using graph embedding	28th Conference on Intelligent Systems in Molecular Biology (ISMB-2020, COVID-19 special track)	Virtual Conference	13-16 July, 2020
Sumanta Ray	Capsule Network : A new way to analyze single cell RNA-seq data	Invited talk	Institute of Informatics, Faculty of Mathematics, Informatics, and Mechanics - University of Warsaw, Poland	09 March, 2020
Sumanta Ray	CODC : A copula based model to identify differential coexpression	Invited talk	Institute of Informatics, Faculty of Mathematics, Informatics, and Mechanics - University of Warsaw, Poland	11 March, 2020
Sumanta Ray	Copula based model to identify differential coexpression in TCGA data	Invited talk	Life Science and Health Seminar, CWI, The Netherlands	11 February, 2020



Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Sumanta Ray	Supervised framework for cell-types detection using CapsNet	Invited talk	Genome Data Science Research Seminar, Universität Bielefeld-Bielefeld University, Germany (Virtual Event)	25 May, 2020
Sk. Md. Mosaddek Hossain	Detecting Overlapping Gene Communities during Stomach Adenocarcinoma : A Discrete NMF-based Integrative Approach	2020 IEEE International Conference on Advent Trends in Multidisciplinary Research and Innovation (ICATMRI)	Pankaj Laddhad Institute of Technology and Management Studies, Buldana, India	30 December, 2020

#### 8. Seminars/Workshops/Conferences/Short-Term Courses Organised :

Name of Sem./Wor./Con.	Funded By	Date	International/ National
Recent Advances in High-Performance Distributed Computing	Aliah University	18.08.2020	National
International Talk on Selected Topics in Research Methodology	Aliah University	04.09.2020	International
International Workshop on Computational Genomics and Big Data	Aliah University	10.01.2020	International
International Seminar on Trends in Artificial Intelligence and Machine Learning Research (TAIMLR)	Aliah University	07.01.2020	International

9. Awards and Fellowship :

Name of the teacher awarded national/ international fellowship/ financial support	Name of the award/fellowship	Year of Award	Awarding Agency
Sumanta Ray	Scholarship Grant for the Project " Creation and implementation of programming frameworks that support the analysis of the genetic diversity of diseases."	2020	Faculty of Engineering, University of Bielefeld, Germany

## Department of Electrical Engineering

### 1. Year of Establishment of the Department : 2009

### 2. About the Department :

Electrical Engineering extensively involving electricity, electromagnetism and electronics are essential in present-day human life and industries thus the present academic activities of electrical engineering are very broad. Electrical Engineering Department has specialized faculties in all important areas of electrical engineering. The department has well equipped laboratories catering to all the subjects of studies The Department has laboratories for Electrical Machines, Power System, Power Electronics, Network Analysis, Control Systems, and Basic Electrical Engineering. The department also has computerized research laboratory facility with various software like Proteus Virtual System Modelling (VSM), Mi Power, PSIM, ANSYS (engineering simulation and 3D design software), MATLAB etc. The department is also offering PG (Power System/Control System) and PhD. programmes in Electrical Engineering. The department gets student admitted through AUAT and also through lateral entry. MTech program has two specializations namely Control System and Power System.

The vision of the department is to play a crucial and leading role in the advancement of higher education for socially and educationally backward classes belonging to the Minorities. It aims to produce Electrical Engineers of high caliber to serve the society and nation.

### 3. Academic Programmes Offered :

BTech

MTech

PhD

### 4. Faculty Members (In alphabetical order according to Name) :

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
1	Biswapriya Chatterjee	Assistant Professor	MEE	Power System
2	Md. Aftab Alam	Assistant Professor	MTech	Power Electronics and Electrical Drives
3	Nasim Ali Khan	Assistant Professor	PhD	Power System
4	Pallav Dutta	Assistant Professor	MTech	Electrical Engineering
5	Rimi Paul	Assistant Professor	PhD	Control System
6	Rumpa Saha	Assistant Professor	PhD	Power System
7	Sharmistha Mandal	Assistant Professor	PhD	Control System

**5. Major Areas of Research and Development :**

Power quality analysis based on harmonic pollution, load classification for better distribution management of electrical power

**6. Reputed Research Publications International and National Journal :**

Title of paper	Name of the author/s	Department of the teacher	Name of journal	ISSN number
Parametric Modeling and PID Control of DC Motor	Bikshan Ghosh, <b>Sharmistha Mandal</b>	Electrical Engineering	<i>International Journal of Mechatronics, Electrical and Computer Technology (IJMEC)</i>	ISSN: 2305-0543 (Online), ISSN : 2411-6173 (Print)
Fuzzy based relaying scheme for transmission line based on unsynchronized voltage measurement	<b>Biswapriya Chatterjee</b> , Sudipta Debnath	Electrical Engineering	<i>Iete, Journal of Research, Taylor and Francis</i>	0377-2063 (Print) 0974-780X (Online)
Cross-correlation aided fuzzy based relaying scheme for fault classification in transmission lines	<b>Biswapriya Chatterjee</b> , Sudipta Debnath	Electrical Engineering	<i>Engineering Science and Technology, An International Journal, Elsevier</i>	2215-0986
Sequence component based approach for fault discrimination and fault location estimation in UPFC compensated transmission line	<b>Biswapriya Chatterjee</b> , Sudipta Debnath	Electrical Engineering	<i>Electric Power Systems Research, Elsevier</i>	0378-7796
Fuzzy based relaying scheme for transmission line based on unsynchronized voltage measurement	<b>Biswapriya Chatterjee</b> , Sudipta Debnath	Electrical Engineering	<i>Iete, Journal of Research, Taylor and Francis</i>	0377-2063 (Print) 0974-780X (Online)

## Book, Book Chapter, etc.

Name of the teacher	Title of the book/ chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	ISBN/ISSN number of the proceeding	Name of the publisher
Sharmistha Mandal	<i>Intelligent Techniques and Applications in Science and Technology. ICIMSAT 2019. Learning and Analytics in Intelligent Systems; Vol. 12</i>	LMI Based Robust Control of Inverted Pendulum System	—	—	Print ISBN : 978-3-030-42362-9 Online ISBN : 978-3-030-42363-6	Springer, Cham
Rumpa Saha	—	Voltage Regulation of DC-DC Boost Converter using H-infinity Controller	2020 International Symposium on Devices, Circuits and Systems (ISDCS)	—	Electronic ISBN : 978-1-7281-6564-6 Print on Demand (PoD) ISBN : 978-1-7281-6565-3	IEEE
Rumpa Saha	—	Micro-controller Based Over and Under Voltage Protection System	International Congress on Renewable Energy (ICORE 2020)	International Congress on Renewable Energy (ICORE 2020) at Gurunanak Institute of Technology,	—	—

Name of the teacher	Title of the book/ chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	ISBN/ISSN number of the proceeding	Name of the publisher
				Kolkata in collaboration with Solar Energy Society of India		
R. Sadhu and R. Paul	—	Wavelet Based Fault Identification for Transmission Lines Including Unified Power Flow Controller	—	International Conference on Advancements in Mechanical Engineering (ICAME 2020)	Electronic ISBN : 978-8-1943-6416-0	—

**7. Paper Presentation/Invited Talk :**

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Md. Aftab Alam	Condition Monitoring of Three-Phase Induction Motor	International	Netaji Subhash Engineering College, Kolkata	05-06 September, 2020
Biswapriya Chatterjee	Cross-correlation based single-phase fault location scheme for transmission lines using one-end voltage	International	IET, Kolkata	03-04 October, 2020

## Department of Electronics and Communication Engineering

### 1. Year of Establishment of the Department : 2009

### 2. About the Department :

The department of Electronics and Communication Engineering (ECE) has been set up to impart quality education and research among students of the society and to fulfil the growing demand of engineers in the field of electronics and telecommunication. The department is in operation since July 2009. The department offers 8-semester, 4-year BTech in Electronics and Communication Engineering and 4-semester, 2-year MTech in Electronics and Communication Engineering ( Specialization in Communication Engineering ). The Electronics and Communication Engineering (ECE) Department has a rich tradition in research and teaching. The research interests of the faculty members of the department encompass the wide area of applied and fundamental aspects of Electronics and Communication Engineering. The broad areas of research and academic activities in the department are :

- (a) RF and Microwave Engineering
- (b) Microelectronics and VLSI
- (c) Communication Systems and Signal Processing
- (d) Optoelectronic system and optical communication

The Department has well-equipped research program leading to PhD degree in all areas of electronics and communication engineering.

A good number of PhD scholars are engaged in various leading research activities in the department

### 3. Academic Programmes Offered :

BTech in Electronics and Communication Engineering

MTech in Electronics and Communication Engineering  
(Specialization : Communication Engineering)

PhD

### 4. Faculty Members (In alphabetical order according to Name) :

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
1	A.H.M. Toufique Ahamed	Assistant Professor	MTech	Communication Engineering
2	Anisur Rahaman	Assistant Professor	MTech	Radio Physics and Electronics

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
3	Ikbal Ali	Assistant Professor	MTech	Electronic Devices and Circuits
4	Md. Abdul Alim Sheikh	Assistant Professor	MTech	Signal and Image Processing
5	Md. Asraful Sekh	Associate Professor	PhD (Tech.)	Optics and Optoelectronics
6	Quazi Mohmmad Alfred	Associate Professor	PhD (Engg.)	Microwave Engg.
7	Sabir Ali Mondal	Assistant Professor	PhD (Engg.)	VLSI Design
8	Sain Shaikh	Assistant Professor	MTech	Digital System and Instrumentation
9	SK. Moinul Haque	Associate Professor	PhD (Engg.)	RF and Microwave Engg.
10	Somsubhra Talapatra	Assistant Professor	ME	Electronic Devices

**5. Major Areas of Research and Development :**

VLSI, analog and digital communication, RF and Microwave Engineering, Devices, Fiber optical communication, DSP, Microprocessor, analog electronics

**6. Reputed Research Publications :**

**International and National Journal**

Title of paper	Name of the author/s	Department of the teacher	Name of journal	ISSN number
Miniaturized dual-band slot antenna design for GPS, amateur radio and WLAN applications	<b>SK. M. Haque</b> and H. Alam	ECE	<i>International journal of RF and Microwave computer aided engineering</i>	—

**Book, Book Chapter, etc.**

Name of the teacher	Title of the book/ chapters published	Title of the proceedings of the conference	Name of the Conference	National/ International	ISBN/ISSN number of the proceeding	Name of the publisher
Quazi Mohmmad Alfred	<i>Time Delayed Phased Array Antenna System and Its Application</i>	—	—	—	978-620-2-52610-4	Lambert Book Publisher



Name of the teacher	Title of the book/ chapters published	Title of the proceedings of the conference	Name of the Conference	National/ International	ISBN/ISSN number of the proceeding	Name of the publisher
Quazi Mohmmad Alfred	Attenuation Modelling and Machine Learning Based SNR Estimation for 5G Indoor Link	—	IEEE VLSI DCS 2020, Kolkata, 18-19 July, 2020	—	—	—
Quazi Mohmmad Alfred	Millimeter Wave V2X Communications in 5G for Achieving Reliability in Vehicle Drive	—	IOTWR 2020, IETE Kolkata Center	National	—	—
Quazi Mohmmad Alfred	<i>PR-DFT : A Review of the Computational Approach in Prediction of Eukaryotic Promoter Regions</i>	—	—	International	978-620-2-67422-5	Lambert Academic Publishing
Md. Asraful Sekh	<i>Gradient Index Optical Elements-Fabrication</i>	—	—	—	978-620-2-67422-5	Lambert Academic Publishing, member of Omni

Name of the teacher	Title of the book/ chapters published	Title of the proceedings of the conference	Name of the Conference	National/ International	ISBN/ISSN number of the proceeding	Name of the publisher
	<i>and Characteristics</i>					Scriptum Publishing Group, Mauritius, Germany
Md. Asraful Sekh	Investigating Combinational Dispersion Compensation Schemes Using DCF and FBG at Data Rate of 10 and 20 Gbps	—	—	International	978-981-15-3172-9	Springer Nature
Md. Asraful Sekh	Performance analysis of 8 channel and 16 channel WDM system for transmission over 1000 km at the data rate of 10 and 20 Gbps using DCF and FBG combi-national schemes	Abstract proceedings of The Optical Society of America (OSA) IONS 2020 conference	The Optical Society-International OSA Students Network Conference (IONS-2020), at IIT Delhi, New Delhi	International	DOI : 10.13140/RG.2.2.10054.09287	Optical Society of America (OSA)

Name of the teacher	Title of the book/ chapters published	Title of the proceedings of the conference	Name of the Conference	National/ International	ISBN/ISSN number of the proceeding	Name of the publisher
Md. Asraful Sekh	Analysis of 8 Channel WDM-FSO Link at 40 Gbps data rate using RZ Modulation	Abstract Proceedings of Optics and Photonics : Theory and Computational Techniques (OPTCT 2020), at IIT Roorkee	—	—	—	—
Md. Asraful Sekh	Performance Analysis of $8 \times 10$ Gbps and $8 \times 20$ Gbps Dispersion Compensated WDM system for Long Distance Communication System with NRZ modulation	—	ICFO-MIT Schools on the Frontiers of Light. Symposium on "Emergent phenomena in Moiré materials" Barcelona, Spain. (Online Mode)	—	—	—
A. H. M. Toufique Ahamed	Detection of Curcumin using a Simple and Sensitive Molecularly	—	IEEE 2020 International Conference on Emerging Frontiers in Electrical	—	DOI : 10.1109/ICEFE ET49149. 2020. 9186985	—

Name of the teacher	Title of the book/ chapters published	Title of the proceedings of the conference	Name of the Conference	National/ International	ISBN/ISSN number of the proceeding	Name of the publisher
	Imprinted Polymer (MIP) Embedded Graphite Electrode Based Electro-chemical Sensor		and Electronic Technologies (ICEFEET)			

**7. Paper Presentation/Invited Talk :**

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
SK. Moinul Haque	Antenna miniaturization and conformal antenna	National, Recent Trends in Electronics and Information Technology (RTEIT-2020)	The university of Tripura	12.11.2020
Md. Asraful Sekh	Performance Analysis of 8 channel and 16 channel WDM systems for Transmission over 1000 km at the Data Rate of 10 and 20 Gbps using DCF and FBG combinational schemes	International OSA Students Network Conference (IONS -2020)	IIT Delhi	29 February - 2 March, 2020

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Md. Asraful Sekh	Performance Analysis of $8 \times 10$ Gbps and $8 \times 20$ Gbps Dispersion Compensated WDM system for Long Distance Communication System with NRZ modulation	International Symposium on "Emergent phenomena in Moiré materials"	ICFO - Massachusetts Institute of Technology (MIT) Schools on the Frontiers of Light, ICFO Barcelona, Spain. (Online Mode)	06-07 July, 2020
Md. Asraful Sekh	Diffusion in Anamorphic GRIN Lens	Invited lecture at "online summit of the Conference on Optics and Photonics (COP 2020)"	STEM, Lisbon, Portugal	26-27 November, 2020
Md. Asraful Sekh	Analysis of 8 Channel WDM-FSO Link at 40 Gbps data rate using RZ Modulation	Int. Conference on Optics and Photonics : Theory and Computational Techniques (OPTCT 2020)	IIT Roorkee	26-27 December, 2020
A. H. M. Toufique Ahmed	Detection of Curcumin using A Simple and Sensitive Molecularly Imprinted Polymer (MIP) Embedded Graphite Electrode Based Electrochemical Sensor	International IEEE Conference (ICEFEET-2020)	NIT Patna	10-11 July, 2020

**8. Seminars/Workshops/Conferences/Short-Term Courses Organised :**

<b>Name of Sem./Wor./ Con.</b>	<b>Funded By</b>	<b>Date</b>	<b>International/ National</b>
Practical Workshop on "Arduino with Tinkercard Open Source Real-time Emulator"	Aliah University	11.07.2020	National

## Department of Mechanical Engineering

### 1. Year of Establishment of the Department : 2010

### 2. About the Department :

Mechanical Engineering is one of the largest, broadest and oldest engineering disciplines in the field of engineering profession. Generally, mechanical engineers use the principles of energy, materials and mechanics which are involved to design, development and manufacture of nearly all types of physical machines, devices and systems. The key characteristics of the profession are its breadth, flexibility and individuality. The Department of Mechanical Engineering at Aliah University is one of the premier departments in our university that provides a unique academic and research environment. The Department was established in the year of 2010 which was incepted under the supervision of Late Professor P.K.Nag, Former Head of the Department of Mechanical Engineering, IIT Kharagpur. Today, the department has been contributing fundamentally towards achieving excellence in academics like teaching, Research, Workshops, lab-sessions, assignments, Industrial Trainings, Seminars, Internships, projects and many more. The department also attracts and features an extraordinarily rich diversity of talented eight number of permanent faculty members from various specializations like Manufacturing, Thermal Engg., Fluid Mechanics, Design etc. It is running with Bachelor's, Masters and Doctoral Programs to keep pace with the rapidly evolving mechanical industry that demands unwavering passion and urge to innovate. The department is running MTech Programme in Manufacturing Engineering and Thermal Engineering. Students are admitted through AUAT and opportunity of lateral entry is also there. Also, there are some PhD students in the department. The mechanical engineering department has various laboratories such as Machining and Machine Tools, Thermal Engineering, Fluid Mechanics and Machines, CNC (Lathe) and Advanced Manufacturing Technology (EDM and Wire-EDM), CAD/CAM, etc. All the faculty members are actively engaged in the development of upcoming laboratories like Strength of Materials, metrology, Dynamics of Machine, Flexible Manufacturing, Measurements, Mechatronics, etc. for making the academic knowledge of the budding engineers complete with a practical outlook and technology. Every year, the department organizes one-day seminar named as "The Mechanical Day" in the memory of Late Professor P. K. Nag. The students are nurtured in an interactive learning environment under careful and sincere supervision of well-experienced faculty members and other renowned personnel in this field. The Department aims to focus on developing cutting-edge technologies of inter-disciplinary nature on multiple scales. At the end, it will broaden its self-definition and be a continuing resource of ideas to the academy as well as to the industry.

### 3. Academic Programmes Offered :

BTech

MTech

PhD

**4. Faculty Members (In alphabetical order according to Name) :**

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
1	Amitava Dutta	Asst. Professor	ME	Fluid Mechanics
2	Golam Kibria	Asst. Professor	PhD	Manufacturing
3	Mukandar Sekh	Asst. Professor	PhD	Manufacturing
4	Rafiqul Haque	Asst. Professor	ME	Machine Design
5	Shahnawaz Khan	Asst. Professor	MTech	Thermal Engineering
6	Shamim Haidar	Associate Professor	PhD	Manufacturing
7	Subha Mondal	Asst. Professor	PhD	Thermal Engineering
8	Sunny Akhtar	Asst. Professor	MTech	Machine Design

**5. Major Areas of Research and Development :**

Composite Materials  
 Biomedical Composite  
 Ceramic Composite  
 U-Value Measurement  
 Waste Heat recovery  
 Efficient Thermal Cycle Design  
 Microchannel Design

**6. Reputed Research Publications :****International and National Journal**

Title of paper	Name of the author/s	Name of journal	ISSN number
Auxiliary power through marine waste heat recovery using a CO <sub>2</sub> -organic cascading cycle	<b>Subha Mondal,</b> Soumitra Datta, Sudipta De	<i>Clean Technologies and Environmental Policy</i>	1618-954X
Performance assessment of a low-grade heat driven dual ejector vapour compression refrigeration cycle	<b>Subha Mondal,</b> Sudipta De	Applied Thermal Engineering	1359-4311



## Book, Book Chapter, etc.

Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National/International	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
Rafiqul Haque	Design and Implementation of a Wireless Robot for Image Processing	—	<i>Handbook of Research on Advanced Mechatronic Systems and Intelligent Robotics</i>	—	International	DOI : 10.4018/978-1-7998-0137-5	—	IGI Global
Rafiqul Haque	—	Fabrication and Machining Studies of Al-RHA Metal Matrix Composites (MMCs)	—	International Conference on Advancements in Mechanical Engineering ICAME - 2020	International	978-81-943641-6-0	—	—
Shahanwaz Khan	—	Numerical analysis to explore the influence of swirl ratio on combustion and emission of diesel engine	Proceedings of International Conference on Energy and Sustainable Development	International Conference on Energy and Sustainable Development	International	—	—	Excel India Publishers

Name of the teacher	Title of the book/ chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National/ International	ISBN/ ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
Subha Mondal	<i>Encyclopedia of Renewable and Sustainable Materials</i>	Power and Other Energy Utilities From Low Grade Waste Heat- Novel Technologies to Reduce Carbon Footprint	—	—	—	—	—	Elsevier Science Publishing Co Inc.
Golam Kibria (Jt. Ed.)	<i>Accuracy Enhancement Technologies for Micromachining Processes</i>	—	—	—	International	978-981-15-2116-4	—	Springer International Publishing AG
Golam Kibria (Jt. Ed.)	<i>Accuracy Enhancement Technologies for Micromachining Processes</i>	Improvement in Surface Finish and Geometrical Accuracy by Laser Micro-turning	—	—	International	978-981-15-2116-4	—	Springer International Publishing AG

Name of the teacher	Title of the book/ chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National/ International	ISBN/ ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
Golam Kibria (Jt. Ed.)	<i>Advances in Abrasive Based Machining and Finishing Processes</i>	—	—	—	International	978-3-030-43311	—	Springer Nature Singapore Pvt. Ltd.
Golam Kibria (Jt. Ed.)	<i>Advances in Abrasive Based Machining and Finishing Processes</i>	Introduction to Abrasive Based Machining and Finishing	—	—	International	978-3-030-43312-3	—	Springer Nature Singapore Pvt. Ltd.
Golam Kibria (Jt. Ed.)	<i>Advances in Abrasive Based Machining and Finishing Processes</i>	Advancement in Ultrasonic Machining for 3D Profile Cutting	—	—	International	978-3-030-43311-6	—	Springer Nature Singapore Pvt. Ltd.

#### 7. Paper Presentation/Invited Talk :

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Amitava Dutta	Numerical study of concentration of bio-analyte by temperature gradient focusing via Joule heating in a microfluidic channel	International	Jadavpur University	14-15 February, 2020

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Amitava Dutta	Numerical investigation of non-linear Joule heating effects on an electrokinetic flow in a microfluidic channel	International	Aliah University	16 to 18 January, 2020
Mukandar Sekh	Advanced Techniques for Foundry Industry	National	The Institute of Indian Foundrymen, Kolkata Chapter	22 January, 2020
Mukandar Sekh	Fabrication and Machining Studies of Al-RHA Metal Matrix Composites (MMCs)	International	Department of Mechanical Engineering, Aliah University	16-18 January 2020
Shamim Haidar	A Critical Review of Orthopaedic and Dental Implant Materials	International	Department of Mechanical Engineering, Aliah University	16-18 January 2020
Subha Mondal	Analysis of a low-grade heat driven trilateral cycle with single-stage impulse turbine.	International	Jadavpur University	14-15 February, 2020
Rafiqul Haque	An Alternative Approach for Sand Casting Process by Replacing of Silica Sand with Stone Dust	International	Department of Mechanical Engineering, Aliah University	16-18 January, 2020

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Golam Kibria	Experimentation and Analysis of Spiral Micro-Grooving Process on Aluminium Using Pulsed Fiber Laser	International	Department of Mechanical Engineering, Aliah University	16-18 January, 2020
Golam Kibria	Introduction and Research Perspective of Micromachining Processes	National	Regent Education and Research Foundation (RERF), Kolkata	20 August, 2020

#### 8. Seminars/Workshops/Conferences/Short-Term Courses Organised :

Name of Sem./Wor./ Con.	Funded By	Date	International/ National
ICAME 2020 (Conference)	University and Sponsors	16.01.2020-18.01.2022	International

## **Humanities and Social Science**

- Arabic
- Bengali
- Economics
- Education
- English
- Geography
- History
- Islamic Studies
- Islamic Theology
- Journalism and Mass Communication
- Law
- Urdu



## Department of Arabic

### 1. Year of Establishment of the Department : 2009

### 2. About the Department :

The Department of Arabic started its glorious journey from the year 2009 with 3-year BA (Honours) and 2-year MA in Arabic. It has launched PhD programme in the year 2012. At the beginning, the Department of Arabic commenced its functioning in the Old Campus of Aliah University, Erstwhile known as Calcutta Madrasah at 21, Haji Md. Mohsin Square, Kolkata-700016. In February 2015, the department has been shifted to the 5th Floor of the Park Circus Campus of Aliah University at 17, Gorachand Road, Kolkata-700014.

The Department of Arabic at the Aliah University has been started with the objective of teaching and research in Modern and Classical Arabic Language and Literature. The Modern Arabic Language is being taught in a greater emphasis along with the translation and interpretation for enhancing students' capability in speaking and writing the Modern Arabic language for their better placement in the Government and Corporate sectors in the country and abroad.

### 3. Academic Programmes Offered :

3-year BA (Honours) in Arabic

2-year MA in Arabic

PhD

### 4. Faculty Members (In alphabetical order according to Name) :

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
1	Anisur Rahman	Assistant Professor	MA, M Phil and PhD	—
2	Md. Jahangir Alom	Assistant Professor	MA, BEd, PGDTA, M Phil and PhD	—
3	Meraj Ahmad	Assistant Professor	MA, M Phil and PhD	—
4	Mohammad Maseehur Rahman	Professor	BA, BEd, MA, PhD	—
5	Rizwanul Haque	Assistant Professor	MA, M Phil, PhD	—



Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
6	Saidur Rahman	Assistant Professor	MA and M Phil, PhD	—
7	Salimuddin	Assistant Professor	MA, PGDTA, M Phil and PhD	—

#### 5. Major Areas of Research and Development :

Modern Arabic Language and Literature, Classical Arabic Language and Literature, History of Arabic Language and Literature, Development of Arabic language and Literature in Indian Peninsula, Arabic and African Cultural Studies, Indo Arab Cultural Relations etc.

#### 6. Reputed Research Publications :

##### International and National Journal

Title of paper	Name of the author/s	Department of the teacher	Name of journal	ISSN number
Al-Lughatul Arabiyyah Ruhul Quran wa Jismul Islam	Meraj Ahmad	Arabic	<i>Majallah Al-Tilmeez</i>	2394- 6628
Al- Thaqafatul Islamiyyah Ma alimuha wa Ahdafuha	Meraj Ahmad	Arabic	<i>Al- Baas- El- Islami</i>	2347-2456

#### 7. Paper Presentation/Invited Talks :

Name of the Faculty Memeber	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Md. Maseehur Rahman	Concept of Jihad in Islam	National	Aliha University and Institute of Objective Studies	10.02.2020
Md. Jahangir Alom	Character: A key source of vitality for peaceful co-existence	National	Aliah University and Institute of Objective Studies	10.02.2020
Anisur Rahman	Comparative Literature: Theory and Application	International	Centre of Arabic and African Studies, JNU	22-23 August, 2020

**8. Seminars/Workshops/Conferences/Short-Term Courses Organised :**

<b>Name of Sem./Wor./Con.</b>	<b>Funded By</b>	<b>Date</b>	<b>International/ National</b>
Development of Arabic Novels in UAE	—	13 July, 2020	International Webinar
Intensive Course on Methodologies of Research and Academic Writing	—	4-9 August, 2020	International Webinar
Contemporary Critical Approaches form the Acculturation Perspective	—	18-20 September, 2020	International Webinar
Critical Analysis of Literary Texts	—	24-26 December, 2020	International Virtual Conference

## Department of Bengali

### 1. Year of Establishment of the Department : 2009

### 2. About the Department :

Aliah University established in 2007 and started its academic programme from the session 2008-2009. From 2010 The Department of Bengali started to function independently and the Post Graduation course in Bengali Language and Literature was introduced. From 2013 The Department of Bengali started PhD Course to promote innovations in education leading to reconstructing of Bengali language, literature and culture. In the year 2017, the Department of Bengali introduced 3-year (Hons.) in Bengali. The Department of Bengali is located at our Park Circus campus, in the heart of the city and has the vision to emerge as a state of the art professional as well as an academic centre for excellence and some of the most promising students. Many eminent and recognized Professors served in this department. The Department continues to be enriched by the contribution of the existing faculties, eminent Guest faculties.

Human capabilities are infinite and can never be measured, nor can one judge what the other person can do. Every person has unique characteristics and has their strengths and weaknesses. The key is to identify these unique qualities through career counselling. Career building is a continuous process and everyone is worried about it, especially at the initial stage. At present where there are so many options available, young students find it difficult to choose the right career and at times prefer the safer option to their interest. The major objective of the department is to promote and expand the opportunities of higher education as well as to promote national integration, secularism, international understanding and humanism.

### 3. Academic Programmes Offered :

UG, PG, MPhil, PhD

### 4. Faculty Members (In alphabetical order according to Name) :

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
1.	Abdur Rahim Gazi	Professor	MA, PhD	Folk Literature
2.	Anisur Rahaman	Assistant Professor	MA, PhD	Linguistics, Modern Bengali Literature
3.	Ankana Betal	Assistant Professor	MA, MPhil, PhD	Tagore Literature, Modern Bengali Literature
4.	Chandmala Khatun	Assistant Professor	MA, MPhil	Mediaeval Bengali Literature, Modern Bengali Literature

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
5.	Mir Rejaul Karim	Professor	MA, PhD	Linguistics, Medieval Bengali Literature
6.	Saifulla	Professor	MA, PhD	Linguistics, Medieval Bengali Literature

**5. Reputed Research Publications :**

**International and National Journal**

Title of paper	Name of the author/s	Department of the teacher	Name of journal	ISSN number
Bangladesher Uponyase Nimnoborgiya Manusher Jibanchetona	Anisur Rahaman	Bengali	<i>Tabu Ekalabya</i>	0976-9463

**Book, Book Chapter, etc.**

Name of the teacher	Title of the book/ chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National/ International	ISBN/ISSN number of the proceeding	Name of the publisher
Saifulla	<i>Amar Mayer Golpo : Vasa Shoilir Chovire Oboghahon</i>					2320-3498	Udar Akash

**6. Paper Presentation/Invited Talk :**

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Anisur Rahaman	Kabi Bandhyaghatiganyir	Interational	Maulana Abul Kalam Azad	14-15 February, 2020

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
	Jiban O Mrittu : Bikalpa Akhyane Nimnabarner Swapana O Swapna Bhangar Itihas		Institute of Asian Studies (MAKAIAS), Department of Bengali, English and History (Berhampore Girls' College) in Collaboration with Department of Bengali, English and History (Kalyani University)	
Anisur Rahaman	Hirak Rajar Deshe Chitranatyer Ahhyane samayer Antaswqar	International	Dept. of Bengali, Kalyani University	18-19 February, 2020
Ankana Betal	Satyajit Rayer Professor Shanku	International	Dept. of Bengali, Kalyani University	18-19 February, 2020
Ankana Betal	Jaibasantraser Galpomala	Webinar	Dept. of Indian Comparative Literature, Assam University, Silchar	30.07.2020

## Department of Economics

**1. Year of Establishment of the Department : 2017**

**2. About the Department :** The Department of Economics started its first batch of 5-year Integrated MA/MSc course from the year 2017. The department offers subsidiary courses in Economics to students of other departments like Statistics, Geography etc. The department focuses on quality research work by the faculties and the scholars. The department aims to produce students with a strong base in both theoretical and applied Economics. Further, the department aims to conduct high quality research which would have both impact and recognition.

**3. Academic Programmes Offered :**

3-year BSc/BA in Economics

**4. Faculty Members (In alphabetical order according to Name) :**

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
1	Melisha Khatun	Assistant Professor	PhD	Development Economics, Econometrics
2	Shashi Bhusan Mishra	Assistant Professor	MSc, MPhil	International Economics Development, Economics, Economics of Social Sector, Applied Econometrics

**5. Major Areas of Research and Development :**

Econometrics,

Economics of Social Sector and Financial

## 6. Reputed Research Publications :

Book, Book Chapter, etc.

Name of the teacher	Title of the book/chapters published	Title of the paper	ISBN/ISSN number of the proceeding	Name of the publisher
Shashi Bhusan Mishra	<i>Interdisciplinary Approaches to Public Policy and Sustainability</i>	Quality and Inequality of Elementary Education in the State of West Bengal of India: An Analysis of Disparities and Determinants	978-179-98-03157	IGI Global

## 7. Seminars/Workshops/Conferences/Short-Term Courses Organised :

Name of Sem./Wor./Con.	Funded By	Date	International/National
Economic Impact of Covid-19 on India	—	26.06.2020	International

## Department of Education

### 1. Year of Establishment of the Department : 2014

**2. About the Department :** The Department of Education, Aliah University was established in 2014 and started its journey from 21, Haji Md Mohsin Square, Kolkata-700016. At present 2-year BEd Programme (NCTE Re-recognized) is running at 17, Gora Chand Road, Kolkata-700014, Park Circus Campus, with an intake capacity of 100 for each year. The aim of this programme is to prepare world class teacher and to provide opportunities to develop awareness about the new trends of Education for teacher-students to extend as well as deepen their knowledge and understanding of education in any one of the area specializations in pedagogical subjects such as Language Education (Arabic, Bengali, English, Urdu and Persian), Mathematics Education, Science Education and Social Sciences Education (History, Geography, Islamic Theology). The department has well educated faculty members, good infrastructural, instructional facilities including smart classroom and LAN Connectivity to all the classrooms, labs, faculty cubicles and in the administrative chambers.

### 3. Academic Programmes Offered :

2-year BEd

### 4. Faculty Members (In alphabetical order according to Name) :

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
1	Chiranjib Sarkar	Fulltime Contractual Teacher	BPED, MPED, MPhil, DYED	—
2	Jakir Hussain Laskar	Associate Professor	BEd, MA (History), MA (Education), MEd, M Phil (Education) and PhD (Education)	—
3	Kaji Abdul Kafi	Assistant Professor	MA (Geography), MEd	—
4	Liton Mallick	Fulltime Contractual Teacher	MA, MEd	—
5	Md. Jamal Uddin	Assistant Professor	MEd, M Phil (Physics), PhD	—
6	Md. Sahjed Ali Mistry	Fulltime Contractual Teacher	MA (Islamic Theology), BEd, MEd	—



Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
7	Mahabub Islam	Fulltime Contractual Teacher	MA, BEd	—
8	Minara Yeasmin	Assistant Professor	MSc (Maths), MEd, PhD (Education)	—
9	Nilakshi Mukherjee Mondal	Fulltime Contractual Teacher	MA (Music), BEd, PhD	—
10	Prakriti Ranjan Sarkar	Assistant Professor	MSc, MEd (Education), PhD (Education)	—
11	Reshma Khatun	Assistant Professor	MA (Eng.), MA (Edn.), MEd, PhD (Education)	—
12	Sayeeda Amaan	Fulltime Contractual Teacher	MA (Persian), BEd, MEd, PhD	—
13	Shazia Hasnain	Assistant Professor	MA (Eng.), MEd	—
14	Sk Samim Hossain	Fulltime Contractual Teacher	MA (Arabic), BEd, MEd	—
15	Sohel Rana	Fulltime Contractual Teacher	MA, BEd	—
16	Touhidul Islam	Fulltime Contractual Teacher	MFA (Painting), BEd, MEd	—

**5. Reputed Research Publications :**  
**International and National Journal**

Name of the author/s	Title of paper	Name of journal	ISSN number
Mahabub Islam	A Search of Different Maladjusted Behaviours of Secondary School Students and the Factors that are Responsible for their Behaviours	<i>International Research Journal of Modernization in Engineering Technology and Science</i>	2582-5208
Jakir Hussain Laskar	Perception of Teacher Educators towards two years BEd programme	<i>International Journal of Advanced Research (IJAR)</i>	2320-5407
Kaji Abdul Kafi	Minorities in Higher Education : Representation, Problems and Issues with Special reference to Muslim Minority community	<i>International journal of Research and Analytical Reviews</i>	2349-5138

**Book, Book Chapter, etc.**

Name of the teacher	Title of the book/chapters published	Title of the paper	National/ International	ISBN/ISSN number of the proceeding	Name of the publisher
Md Jamal Uddin	<i>Pedagogy of Science Teaching (Physical Science)</i>	—	—	81-89169-33-5	Aaheli Publishers, Kolkata
Liton Mallick	<i>An Insight into Social Issues</i>	Dowry : A Curse of Society	—	978-81-944997-2-5	Bangojan Prakashan
Liton Mallick	<i>Skills for Counselling Parents of Students with Special Needs</i>	Manush Atmohotyakore Keno	International	978-93-87879-73-7	Renova International Publication

**6. Paper Presentation/Invited Talk :**

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Jakir Hussain Laskar	National Education Policy-2020	National	All India Education Movement, Kolkata	13-15 March, 2020
Jakir Hussain Laskar	Changes in Domestic and Service Sector During a Period of Global Turmoil : Some Reflections	International Webinar	Department of Education and IQAC East Calcutta Girls' College with Department of Education West Bengal State University	21-23 June, 2020
Minara Yeasmin	Teachers' Professional Development through Open and Distance Education	24th IDEA National Conference on Emerging Perspectives of Open and Distance Learning	University of Mumbai	17-18 July, 2020

**7. Seminars/Workshops/Conferences/Short-Term Courses Organised :**

Name of Sem./Wor./Con.	Funded By	Date	International/ National
International Webinar on Impact of covid-19 Pandemic and Socio-economic Development : Challenge and Best Practices	—	18.07.2020 and 19.07.2020	International

**8. Awards and Fellowship :**

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details
Painting (3rd International Dhauli Art Festival 2020)	Touhidul Islam	Dhaulti College of Art and Craft

## Department of English

### 1. Year of Establishment of the Department : 2009

2. **About the Department :** The Department of English, Aliah University is still in its formative stage. Carrying the legacy of Aliah Madrasah, a 200 yrs. old educational institution that stressed on the need of teaching English to the Indian populace, this department is interestingly poised between the tradition of teaching British and American literature and an exciting future where the discipline has broadened its scope to include literatures of the world. The interests of the newly recruited faculty members reflect this rich diversity and range over Australian literature, Critical and Cultural theory, Dalit literature, Film Studies, Applied Linguistics, Shakespeare Scholarship, etc. Class room teaching bears the impress of the tradition of close textual analysis supported with interpretations within a theoretical framework at the post-graduate level. This is often supplemented by audio-visual means. Apart from formal lectures, there are tutorial classes and study groups which allow more personalised and productive interaction between the students and the faculty. Departmental Assessment of students is done through continual evaluation, End Semester examinations, terms papers and dissertations. The students of the department also partake of a vibrant cultural life on campus. The Department has organised seminars, workshops, special lectures in wide ranging topics that include Travel Writing, Cultural Studies, Renaissance Studies and Recent Trends in Indian Writing in English. The Department runs Fabulinus: A Literary and Cultural Society which includes Drama Club, Film Club, Debate Club, Literary Club, Quiz Club and Book Reading Club. These clubs conduct activities on every Thursday.

The Department aims at carrying out research in both traditional and emerging areas of English Studies. In addition to core English Literature and American Literature components, it encourages work in New Literatures in English, including Australian, African and Canadian literature, Translation, Cultural Studies, Language Studies and Pedagogy. Another important thrust area of the Department is the study of the literature of the Muslim world, with special emphasis on the works of the authors from the subcontinent. The impact of Europe upon India, both in the earliest period of contact and under colonialism is another area on which the department encourages research. The Department plans to create a digital archive of the early works of Muslim authors, especially those from the eastern part of India, during the colonial contact focusing on the question of negotiating the western modernity. The faculty members have published research articles in reputed journals and in the form of books, monographs, edited volumes on a wide variety of subjects.

### 3. Academic Programmes Offered :

BA (Hons.), MA in English, PhD

## 4. Faculty Members (In alphabetical order according to Name) :

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
1	Amzed Hossein	Professor	MA, PhD	Contemporary British Poetry, Utopian Literature, Indian Writing in English
2	Hasina Wahida	Assistant Professor	MA, PhD	Post 1950s British literature, American Literature and Indian English Literature, particularly on literature of the Partition, ethnicity and identity
3	Rohan Hassan	Assistant Professor	MA, PhD	Contemporary American Novels, Post 1950s British literature and Popular Literature
4	Safiul islam	Assistant Professor	MA, BEd, PGDL, PhD	Indian English Literature, Australian Literature, Modern Linguistics and English Language Teaching
5	Sharmistha Chatterjee	Professor	MA, PGCTE, PGDTE, PhD	South Asian Literature, Shakespeare, Translation studies, Post-colonial Studies, Eco-criticism, Gender Studies, Modern Linguistics and English Language Teaching.
6	Sohel Aziz	Assistant Professor	MA, PhD	Modern and Postmodern Novel, Modern and Postmodern Drama, Literary Theory, Dalit Literature, Feminist Theatre, Postcolonial Literature, Disability Studies, Literature and Human Rights, and Urban Studies
7	Tajuddin Ahmed	Associate Professor	MA, PhD	Early writings of Indian Muslim Women

**5. Major Areas of Research and Development :**

Literature of the Islamic world, Writings by Muslims in Bengal, South Asian Studies, Ecocriticism, Postcolonial studies, Postmodernism, Adaptation studies.

**6. Reputed Research Publications :**

**International and National Journal**

Title of paper	Name of the author/s	Name of journal	ISSN number
Reliving the Partition in Eastern India: Memories of and Memoirs by Women across the Borders	Sharmistha Chatterjee	<i>Rupkatha Journal on Interdisciplinary Studies in Humanities, Vol. 12. No. 1</i>	0975-2935

**Book, Book Chapter, etc.**

Name of the teacher	Title of the book/ chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National/ International	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
Sharmistha Chatterjee	<i>Revisiting Partition and Bangladesh Liberation War</i>	—	—	—	—	978-93-88998-93-2	Aliah University	Akhand Publication, New Delhi and NSOU

**7. Paper Presentation/Invited Talk :**

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Amzed Hossein	Minority Discourse	7-Day Workshop on "Research Methodology in Comparative Literary Studies" (2-7 March, 2020)	Department of Comparative Indian Language and Literature, University of Calcutta	5 March, 2020

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Amzed Hossein	To Be Still and Still Moving : The Play of Signifiers in <i>Four Quartets</i>	Online Lecture Series, International	Department of English, University of Gour Banga	21 June, 2020
Amzed Hossein	Ted Hughes : A Portrait of the Poet as a Posthumanist	Paper presented in a webinar : State	Ramkrishna Mission Residential College (Autonomous)	19 October, 2020
Sharmistha Chatterjee	Stylistics: An Approach to Connect Literature with Language	Lecture for UGC-HRDC Short Term Course : National	Department of Language and Linguistics, Jadavpur University	21 February, 2020
Sharmistha Chatterjee	Professional Communication : Present Perspectives and Future Challenges	Webinar at State Level	Nerula Institute of Technology	2 May, 2020
Sharmistha Chatterjee	The Why, What, How of Facilitating English Language Learning and Communication	Webinar (online 5 day FDP) National	Amity University, Kolkata	29 June, 2020
Sharmistha Chatterjee	Between the Sense of Home and Unhomeliness : Narratives of Indian Partition and Bangladesh Liberation War	Online Lecture Series : International	Midnapore College	16 July, 2020

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Sharmistha Chatterjee	Class Consciousness and Gender Trouble in Shakespeare's <i>A Midsummer Night's Dream</i>	Two day webinar on "Interdisciplinarity: (Re-) reading Literary Texts" : State Level	Barjora College, Bankura	23 July, 2020
Sharmistha Chatterjee	Of Sickness, Pestilence, Arts and Letters	State Level Webinar- Arts and Letters : Representations of Sickness	Bhangar Mahavidyalaya, West Bengal	22 August, 2020
Hasina Wahida	The Women Perceived: A Looking into the Representation of the Universal Plight of Women in Jyotirmoyee Devi's novel <i>The River Churning (Epar Ganga, Opar Ganga)</i>	UGC–HRDC Faculty Induction Programme : National	Jamia Millia Islamia, New Delhi 2nd Online Faculty Induction Programme	16 November to 15 December, 2020
Rohan Hassan	Reading J.M. Coetzee's <i>Life and Times of Michael K</i> in the Light of Indian Migrant Labour Crisis	Two day Web Lecture Series from 24-25 July, 2020	Department of English, Govt. General Degree College Salboni, Paschim Medinipur	24 July, 2020
Rohan Hassan	Science Fiction : A Brief Overview	State Level Web Lecture Series from 28-30 July, 2020	Department of English, Akui Kamalabala Women's College	30 July, 2020



## 8. Seminars/Workshops/Conferences/Short-Term Courses Organised :

Name of Sem./Wor./Con.	Funded By	Date	International/ National
Three-Day International Webinar on <i>Planetary Crisis and the humanities : Prospects in Theory and Praxis</i>	Aliah University	28-30 August, 2020	International (online)

## Department of Geography

### 1. Year of Establishment of the Department : 2009

### 2. About the Department :

The Department of Geography is one of the pioneer departments of Aliah University established in the year 2009. The first session began with only 20 students of 2-Year MSc and only 06 students of 5-year Integrated MSc in 2009-10. The department presently offers 3-year BA/BSc (Hons.) and 2-year MA/MSc courses. In addition, the PhD degree programme is also conducted by the Department. Research and teaching are given equal importance by the faculty members. Research projects are encouraged to develop innovative and analytical approach to learning. Experts in different allied fields are also invited for interaction and curriculum development, whenever necessary. The Department has developed Remote Sensing and GIS courses for the students so that they can have access to the most updated knowledge of this branch of Geography which is emerging as a potential area of recruitment. Number of students are employed as Assistant Professor through WBCSC and WBPSC, Assistant Teacher through WBPSC, WBSSC and WBMSC, and other private organization. Besides, many students enrolled for higher education in premier institutes the country namely, JNU, IIPS (Mumbai), JMI, AMU, BIT Mesra (Ranchi). It is worth mentioning that several students have qualified UGC-NET with JRF, UGC-NET (Asst. Prof.), WB-SET for eligibility for Assistant Professor in Geography during this period.

### 3. Academic Programmes Offered :

3-year BA/BSc (Hons.)

2-year MA/MSc

PhD

### 4. Faculty Members (In alphabetical order according to Name) :

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
1	A. K. M. Anwaruzzaman	Professor	PhD	Population Geography
2	Aznarul Islam	Assistant Professor	PhD	Physical Geography
3	Md Julfikar Ali	Assistant Professor	PhD	Urban Planning
4	Moududa Khatun	Assistant Professor	PhD	Urban Planning
5	Md. Mustaquim	Assistant Professor	PhD	Population Geography
6	Nasrin Banu	Assistant Professor	PhD	Urban Geography
7	Rukhsana	Assistant Professor	PhD	Agriculture Geography

## 5. Major Areas of Research and Development :

Agriculture and Food Security  
 Population and planning  
 Geomorphology  
 Urban Planning and Regional Planning  
 Transport Geography  
 Contemporary Issues in Geography.

## 6. Reputed Research Publications :

### International and National Journal

Title of paper	Name of the author/s	Name of journal	ISSN number
COVID-19 Pandemic in the SAARC Countries including China : A Cross-Country Analysis from Geographical Perspectives	<b>Anwaruzzaman, A. K. M.</b> and Hasan, M. S.	<i>Juni Khyat Journal</i>	ISSN 2278-4632 (Online)
Role of ASHA Workers in Health Services Delivery among Muslim in the Rural Areas of the selected C D Blocks of West Bengal with special reference to Natality among the Women	Khan, S. and <b>Anwaruzzaman, A. K. M.</b>	<i>Indian Journal of Spatial Science</i>	ISSN 2249-3921 (Print) and ISSN 2249-4316 (Online)
Risk and Vulnerability of Migrant Labours from West Bengal and their Life Satisfaction during Pandemics of COVID-19 : A Case Study	<b>Mustaquim, M.,</b> and Islam, W	<i>Asian Review of Social Sciences</i>	2249-6319

Title of paper	Name of the author/s	Name of journal	ISSN number
An Analysis of Urban Sprawl and prediction of future urban town in urban area of developing nation : case study in India	Hasnine M., <b>Rukhsana</b>	<i>Journal of the Indian Society of Remote Sensing, Springer Nature</i>	—
Urbanization Scenario in the Selected Districts in and around the Kolkata Metropolitan Area (KMA)	Hasnine M., <b>Rukhsana</b>	<i>Indian Journal of Spatial Science</i>	—
Drainage Basin Morphometry and Evaluating its Role on Flood inducing Capacity of Tributary Basins of Mayurakshi River, India.	<b>Islam, A.</b> , and Barman, S. D.	<i>SN Applied Sciences</i>	—
Characterizing Cross-sectional morphology and Channel Inefficiency of Lower Bhagirathi River, India, in post-Farakka Barrage Condition	<b>Islam, A.</b> , and Guchhait, S. K.	<i>Natural Hazards</i>	—
Morphometry as Tool to Trace out the Genealogy of Oxbow Lake	Das, B. C., <b>Islam, A.</b> , and Biswas, B.	<i>Environmental Earth Sciences</i>	—
Drivers of Water Pollution and Evaluating its Ecological Stress with Special Reference to Macrovertebrates (fish community structure) : A Case of Churni River, India	Sarkar, B. and <b>Islam, A.</b>	<i>Environmental Monitoring and Assessment</i>	—

Title of paper	Name of the author/s	Name of journal	ISSN number
Female-Headed Households in India : An Eagle's View from 2011 Census	Banu, N. and Mistri, A.	<i>Asian Profile</i>	0304-8675

**Book, Book Chapter, etc.**

Name of the teacher	Title of the book/ chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National/ International	ISBN/ISSN number of the proceeding	Name of the publisher
Rukhsana	<i>Advances in Asian Human-Environmental Research</i>	Ecology and Ekistics : Case Studies of Human-Environment Interactions in India	—	—	International	978-3-030-49114-7	Springer Nature Switzerland AG Chem
Islam, A.	<i>Anthropogeomorphology of Bhagirathi Hooghly River System in India</i>	—	—	—	International	978-036-78-61025	CRC Press, Taylor and Francis, USA
Rukhsana	<i>Habitat, Ecology and Ekistics</i>	Population pressure and Urban Sprawl in selected Municipality of Kolkata Metropolitan Area: West Bengal	—	—	International	—	Springer International Publishing AG, Cham

Name of the teacher	Title of the book/ chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National/ International	ISBN/ISSN number of the proceeding	Name of the publisher
Rukhsana	<i>Habitat, Ecology and Ekistics</i>	An Overview of the Concept of Habitat, Ecology and Ekistics	—	—	International	—	Springer International Publishing AG, Cham
Rukhsana	<i>Habitat, Ecology and Ekistics</i>	Assessment of Carbon Footprint across Households in Selected Ward of Kolkata Municipal Corporation	—	—	International	—	Springer International Publishing AG, Cham
Islam, A.	<i>Anthropogeomorphology of Bhagirathi-Hooghly River System in India</i>	An Appraisal to Anthropogeomorphology in the Bhagirathi-Hooghly River Basin: Concepts, Ideas and Issues	—	—	International	978-036-78-61025	CRC Press, Taylor and Francis, USA

Name of the teacher	Title of the book/ chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National/ International	ISBN/ISSN number of the proceeding	Name of the publisher
Islam, A.	<i>Anthropogeomorphology of Bhagirathi-Hooghly River System in India</i>	Anthropogeomorphology of the Bhagirathi River	—	—	International	978-036-78-61025	CRC Press, Taylor and Francis, USA
Islam, A.	<i>Anthropogeomorphology of Bhagirathi-Hooghly River System in India</i>	Role of Human Interventions in the Evolution of Forms and Processes in the Mayurakshi River Basin	—	—	International	978-036-78-61025	CRC Press, Taylor and Francis, USA
Islam, A.	<i>Anthropogeomorphology of Bhagirathi-Hooghly River System in India</i>	Anthropo - Footprints on Churni River : A River of Stolen Water	—	—	International	978-036-78-61025	CRC Press, Taylor and Francis, USA

Name of the teacher	Title of the book/ chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National/ International	ISBN/ISSN number of the proceeding	Name of the publisher
Islam, A.	<i>Gully Erosion Studies from India and Surrounding Regions</i>	Assessing Gully Asymmetry Based on Cross-Sectional Morphology: A Case of Gangani Badland of West Bengal, India	—	—	International	—	Springer, Cham

**7. Paper Presentation/Invited Talk :**

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
A. K. M. Anwaruzzaman	Vehicular Traffic Related Outdoor Air Pollution: Evidences from Selected Locations of Kolkata	International	Conference (IGU), Dept of Geography, University of Burdwan	6-8 March, 2020
A. K. M. Anwaruzzaman	Landuse/Landcover Change along PMGSY Road in Murshidabad District	International	(IGU), Dept of Geography, University of Burdwan	6-8 March, 2020
A. K. M. Anwaruzzaman	Practices and Status of Child Healthcare in Rural West Bengal: A District Level Analysis	International	(IGU), Dept of Geography, University of Burdwan	6-8 March, 2020



Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
A K M Anwaruzzaman	Infrastructure Development by Pakistan-China Axis through CPEC: Geopolitical Implications for India	International	(IGU), Dept of Geography, University of Burdwan	6-8 March, 2020
A K M Anwaruzzaman	Practices and Status of Child Healthcare in Rural West Bengal: A District Level Analysis	International	(IGU), Dept of Geography, University of Burdwan	6-8 March, 2020
A K M Anwaruzzaman	COVID-19 Pandemic in the SAARC Countries including China: A Cross- Country Analysis from Geographical Perspectives	National	Association of Konkan Geography, Goa	3 May, 2020
Md. Julfikar Ali	Accessibility to urban green spaces	International	Sustainable Development & Inclusive growth- Methods to Methodology	3 and 4 March, 2020
Md. Julfikar Ali	Assessment of green and blue space change using spatial techniques: A case study of KMC, WB	International	Sustainable Development & Inclusive growth- Methods to Methodology	3 and 4 March, 2020
Rukhsana	Covid-19 and its impact on Environment	National	Dept of Geography, Karim City College, Jamshedpur, India	08 May, 2020

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Rukhsana	An Analysis of Urban Sprawl and prediction of future urban town in urban area of developing nation: Case study in India	International	Conference (IGU), Dept of Geography, University of Burdwan	06 August, 2020
Aznarul Islam	Assessing the Economic Transformation Due to Floods in the Lower Stretch of the Mayurakshi River Basin, West Bengal	International	XIV International Geographical Union (IGU) - India At The University of Burdwan	6-8 March, 2020
Aznarul Islam	Global Challenges and Opportunities in Geography: A Twenty First Century Perspective	National	Subarnarekha Mahavidlaya & Geo-passionate's Group	15 August, 2020
Aznarul Islam	Global Demand of Geography at Teaching Level and Other Discipline	International	Department Of Geography, Dewan Abdul Gani College, West Bengal	25-26 August, 2020
Moududa Khatun	Identification of LUC and Land Surface Temperature in a Planned City: New Town, Kolkata	International	PG Department of Geography and Department of Statistics, Lady Brabourne College In collaboration with School of Oceanographic Studies, Jadavpur University	3 and 4 March, 2020

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Moududa Khatun	How are Land Losers' in New Town, Kolkata ? A Perceptual Study	International	XIV International Geography Union (IGU)- India	06-08 March, 2020
Moududa Khatun	Urbanization and Environmental Challenges in India	State level	Department of Geography, Bankura Sammilani College	25 September, 2020
Nasrin Banu	Role of International Border on Healthcare Access in West Bengal, India: A Geographical Analysis	International Conference on Building Resilient and Sustainable Societies: Emerging Social and Economic Challenges	Department of Geography, Jamia Millia Islamia, New Delhi	25 and 26 November, 2020
Nasrin Banu	Nexux between Livelihood Assets and Health Well-Being: A Study of Indo-Bangladesh Border	XV <sup>th</sup> DGSi International Geography Online Conference on Climate, Diasters and Sustainable Livelihood	Department of Geography, University of Allahabad, Prayagraj	26 – 28 November, 2020

#### 8. Seminars/Workshops/Conferences/Short-Term Courses Organised :

Name of Sem./Wor./Con.	Funded By	Date	International/ National
Webinar on International Webinar on Progress and Dimensions in Geographical Research	Department of Geography	11.03.2020	International

## Department of History

### 1. Year of Establishment of the Department : 2010

### 2. About the Department :

The Department of History, Aliah University, Kolkata is one of the leading departments of the University. The department having been initiated in 2010 assumed the stature of a full-fledged department of history with a syllabus set in the line of those in the frontline Universities of India. Apart from 3-year BA (Hons.) and 2-year MA (History) curriculum, the department has PhD course as a part of its higher research programme. The department offers intellectual history, educational history, cultural history and history of science and technology as the major areas of research and development. The department offers BA (Hons.) programme in CBCS format. The department follows a semester system in its routine study structure and till date has governed ten (10) batches of students who completed their studies in MA in this department. A large number of students who completed their MA (History), have qualified NET, SET and also selected in MPhil and PhD programmes in reputed Universities and research organizations. Many have been selected as Assistant Teachers through SSC and PSC and Assistant Professor through CSC and PSC. One of the students has completed PhD from the department. The department also regularly organizes seminars, invited lectures and special lectures and till date has organized several National and State Level Seminars including special lectures.

### 3. Academic Programmes Offered :

3-year BA (Honours) in History

2-year MA in History

PhD

### 4. Faculty Members (In alphabetical order according to Name) :

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
1.	Md. Ashfaque Julfikar	Assistant Professor	MA	Indian History, Medieval India, Political And Military History of the Delhi Sultanate, The Mughal Empire
2.	Enayatullah Khan	Assistant Professor	PhD	Indian History, Medieval Indian History and Environmental History
3.	Ishtiaq Hussain	Assistant Professor	MA	Modern Indian History

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
4.	Manas Dutta	Assistant Professor	PhD	Modern And Contemporary India (Master Degree)
5.	Safoora Razeq	Assistant Professor	PhD	Economic History (Master Degree) Intellectual History(PhD)
6.	Md. Shamim Firdous	Associate Professor	PhD	Social And Educational History
7.	Tuhina Islam	Assistant Professor	PhD	Medieval India (Master Degree)

#### 5. Major Areas of Research and Development :

Intellectual History

Educational History

Cultural History

History Of Science And Technology

#### 6. Reputed Research Publications :

##### International and National Journal

Title of paper	Name of the author/s	Name of journal	ISSN number
Disappearance of Traditional games in Bengal by the imitation of colonial culture through the historical parameters of cultural colonialism	Safoora Razeq	<i>European Academic Research</i>	2286-4822
Nautch Girls of Pre-Colonial North India: A Historical Overview	Tuhina Islam	<i>Journal of Indian History and Culture</i>	0975-7805
Nawab Faizunnesa Choudhurani: An Outstanding Muslim Lady of Nineteenth Century Bengal	Tuhina Islam	<i>Tathapi</i>	2320-0693

**Book, Book Chapter, etc.**

Name of the teacher	Title of the book/ chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	ISBN/ISSN number	Name of the publisher
Ishtiaq Hussain	<i>History: Past and Beyond</i>	The Deoband Ulema and Muslim Political Thought and Activity During 1866-1947	–	–	–	978-81-7975-996-7	Anamika Publishers and Distributors (P.) Ltd.
Md. Asfaque Julfikar	<i>History: Past and Beyond</i>	Conflict and Concordance: A Case Study of Lodis of Delhi and Sharqis of Jaunpur	–	–	–	978-81-7975-996-7	Anamika Publishers and Distributors (P.) Ltd.

**7. Paper Presentation/Invited Talk :**

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Md. Shamim Firdous	Banglar Barddhaman O Murshidabad Zelai Musalmander Moddey Adhunik Sikshar Prosar O Unnayon: Ekti Samiksha (1835-1947)	International	Paschimbanga Itihas Samsad	24 -26 January, 2020

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Md. Shamim Firdous	Muslim Contribution to Medicine	National	Department of Islamic Studies, Aliah University.	10-14 February, 2020
Md. Shamim Firdous	Muslim Contribution to Mathematics	National	Department of Islamic Studies, Aliah University.	10-14 February, 2020
Md. Shamim Firdous	Environmental Protection in Islamic Perspective– A study	National	Department of Law, Aliah University in Collaboration with Centre for Study and Research (CSR), Hyderabad and Council on Legal Studies, New Delhi	25 February, 2020
Safoora Razeq	Relevance of Mahatma Gandhi in Modern Times	International	Iran Society.	30 and 31 January, 2020
Safoora Razeq	Azad in Bengal	International	CPCASSLLCS	1 March, 2020
Safoora Razeq	Maulana Abul Kalam Azad- The Last warrior against the Partition of India	State	Humayun Kabir Institute	11 November, 2020
Enayatullah Khan	Non-Muslims under Muslim Rile in India	National	Jointly organised by Department of Islamic Studies, AU and Institute of Objective Studies, Kolkata Chapter	13 February, 2020
Enayatullah Khan	Pandemics in Medieval India	National	Empower People Webinar	25 July, 2020
Mr. Ishtiaq Hussain	Islam and Modernity	National	Institute of Objective Studies and Department of Islamic Studies Aliah University	10-14 February, 2020

## Department of Islamic Studies

### 1. Year of Establishment of the Department : 2017

### 2. About the Department :

The department of Islamic Studies is a newly established department in Aliah University. It has started its journey from 2017 in park circus campus. Presently the Dept. of Islamic Studies is offering 3 year program of Bachelor of Arts with Honours in Islamic Studies and 2 year program of Master of Arts in Islamic Studies

The curriculum of UG and PG covers the major areas of Islamic Studies, i.e. (1) Islamic Sciences; Quran, Hadith, Islamic Jurisprudence, Islamic Mysticism, faith and Kalam. (2) History of Islamic Culture and Civilization (3) Social, Political, Ethical and Economical Theories in Islam. (4) Muslim Contribution to Arts, Science, Social Science and Technology in medieval period. (5) Non-Muslim Contribution to Islamic Studies. (6) Islamic Civilization, Muslim Thinkers and Reform Movement in India. (7) Contemporary Muslim World.

### 3. Academic Programmes Offered :

Bachelor of Arts with Honours in Islamic Studies

MA in Islamic Studies

### 4. Faculty Members (In alphabetical order according to Name) :

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
1.	Sumaiya Ahmed	Assistant Professor	PhD	Muslim Culture and Civilization in India, Muslim in Bengal, Contribution of Bengal (West Bengal) to Islamic Studies
2.	Syed Abdur Rasheed	Assistant Professor	MA	Tafsir, Hadith, Muslim's Contribution to Science

### 5. Reputed Research Publications

#### International and National Journal

Title of paper	Name of the author/s	Department of the teacher	Name of journal	ISSN number
Freedom of Expression: In the Noble Quran	Sumaiya Ahmed	Islamic Studies	<i>Muslim World League Journal</i>	—



Title of paper	Name of the author/s	Department of the teacher	Name of journal	ISSN number
Inter-Faith Dialogue: Perspective of Ismail Raji Al Faruqi's Islam and Other Faiths	Sumaiya Ahmed	Islamic Studies	<i>Islam and Muslim Societies: A social Science Journal</i>	0973-2802

**Book, Book Chapter, etc.**

Name of the teacher	Title of the book/ chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	ISBN/ISSN number of the proceeding	Name of the publisher
Syed Abdur Rasheed	—	Aliah University me Qurani Mutalaat ka Jaeza	Hindustan me Mutali'ah Qur'an Majeen-Mu'asir Manzarna ma 2020	—	National	978-93-9016-12-8	KAN centre for Quranic Studies, AMU, Aligarh
Sumaiya Ahmed	<i>School of Kolkata: Weaving Magic in Education</i>	Madrasas in Kolkata	—	—	—	9788177680706	Sampark publishing house, Kolkata

**6. Paper Presentation/Invited Talk :**

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Sumaiya Ahmed	Islam's Contribution to Haqq al-Huquq al- Insan (Human Rights)".	National	Department of Law, Aliah University and Centre for Study and Research (CSR), Hyderabad	25 February, 2020

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Sumaiya Ahmed	Spread of Sufi Tradition in Bengal	International	Darul Irfan Research Institute (DIRI) Dhaka, Bangladesh	30 -31 October, 2020
Sumaiya Ahmed	Islam and Knowledge	National	Dept. of Islamic Studies, Aliah University, in collaboration with IOS, Kolkata Chapter	11 February, 2020
Sumaiya Ahmed	Islam and Secularism	National	Dept. of Islamic Studies, Aliah University, in collaboration with IOS, Kolkata Chapter	12 February, 2020
Sumaiya Ahmed	Begum Rokeya: A role Model for Muslim Women	National	Education Sub Committee, the Muslim Institute, Kolkata	9 December, 2020

**7. Seminars/Workshops/Conferences/Short-Term Courses Organised :**

Name of Sem./Wor./Con.	Funded By	Date	National/ International/
Winter School on Islamic Studies	Institute of Objective studies, New Delhi and Aliah University	10-14 February, 2020	National

## Department of Islamic Theology

### 1. Year of Establishment of the Department : 2008

### 2. About the Department :

The Dept. of Islamic Theology is one of the earliest academic departments created after the upgradation of Calcutta Madrasah College to the status of a State University under the Department of Minority Affairs and Madrasah Education, Government of West Bengal. In the beginning, the Department commenced its functioning in the Old Campus of Aliah University, erstwhile known as Calcutta Madrasah at 21, Haji Md. Mohsin Square, Kolkata-700016.

Aliah University – a State University under the Department of Minority Affairs and Madrasah Education, Government of West Bengal – came into existence through the Aliah University Act (Act XXVII of 2007) passed by the West Bengal Legislative Assembly. The Act came into force on 5 April 2008. However, its parent institution – from which it was upgraded to a University – was usually mentioned in various old Government records varyingly as Calcutta Mohomedan College or Calcutta Madrasah or Aliah Madrasah which was established by the British Governor-General Warren Hastings in 1780 at the request of some Muslim gentlemen of Calcutta.

The Calcutta Madrasa College which is the precursor of the Department of Islamic Theology originally imparted education based on the Dars-e-Nizami System with comprised of the subjects of Arabic grammar, Mantiq (Logic), Hikmat (Philosophy and Wisdom), Riadi (Mathematics), Haiat (Astronomy), Fiqh (Islamic Jurisprudence), Tafsir (Exegesis), and Hadith (Prophetic Traditions) which were strictly followed till the first two decades of 19th century.

The department of Islamic Theology is witnessing great increase in number of students. In the recent times the department is making giant strides in areas of teaching learning as well as in extra academic matters. The combination of tradition and modernity is reflected in the course structure, teaching methodology and in the pursuance of new and unique research. The department has partially shifted to the 8th floor of Park Circus campus in August, 2016. The department has 5 permanent faculty members, a good number of part time teachers and several non-teaching staff to run the department smoothly. The hard work and the sincerity of all concerned have made the department a vibrant one students of which participate in all the university events with active encouragement from the teachers.

The Department doing justice to the great legacy, is making immense progress in every areas of academics including research and publications. The Department has introduced the UGC prescribed Credit Based Choice System (CBCS) at the UG Level in 2019 and offers a syllabus that is updated and fulfills the need of the modern times keeping the spirit of tradition embeded in it. Job-oriented training and innovative skill-enhancing strategies are adopted by the department to get the students well-equipped for the present competitive environment.

### 3. Academic Programmes Offered :

BA Honours in Islamic Theology

MA in Islamic Theology.

PhD in Islamic Theology.

**4. Faculty Members (In alphabetical order according to Name) :**

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
1.	Abu Tamim	Assistant Professor	PhD	Islamic Jurisprudence and Hadith
2.	Ashraf Ali	Assistant Professor	PhD	Hadith and Hadith Sciences
3.	Imdad Husain	Assistant Professor	PhD	Comparative Studies of Religions
4.	Kamal Ashraf	Assistant Professor	PhD	Muslim and Hindu Personal Law
5.	Mohd Shamim Akhter	Assistant Professor	PhD	Islamic Jurisprudence and Indian Islamic History

**5. Major Areas of Research and Development :**

Islamic Sciences, Prophetic Biography, Comparative Study of Religions

**6. Reputed Research Publications :**

Book, Book Chapter, etc.

Name of the teacher	Title of the book/ chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	ISBN/ISSN number of the proceeding	Name of the publisher
Md. Ashraf Ali	<i>Aliah university me mutaliaate Quraan ka manzar wa pase manzar.</i>	—	—	—	National	978-93-90167-12-8	K.A.N Nezami Center, AMU
Md. Ashraf Ali	<i>Maulana Doctor Abul Kalam Qasmi Shamsi: Nuqush wa Ta'assurat</i>	Maulana Abul Kalam Qasmi Shamsi: Nuqush wa Ta'assurat	—	—	National	—	Markazi Publications, New Delhi

## 7. Paper Presentation/Invited Talk :

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Md. Ashraf Ali	Aliah University me mutaleaate Quraan ka manzar pase manzar	National Seminar	K.A.Nezami Centre for Quranic Studies, AMU, Aligarh	04-05 March, 2020
Abu Tamim	Short technique saheeh Quran recitation	International Webinar	International institute of Al-quran Research and learning Bangladesh	16.11.2020
Abu Tamim	Multiple use of Masjid: Perspective in Islam	International Webinar	International institute of Al-quran Research and learning Bangladesh	22.12.2020
Mohd Shamim Akhter	Jama WaTadween-e-Fiqh	5-days Winter School Workshop on Islamic Studies,	Dept. of Islamic Studies, Aliah University, Kolkata and IOS, New Delhi (Kolkata Chapter)	10-14 February, 2020

## Department of Journalism and Mass Communication

### 1. Year of Establishment of the Department : 2013

### 2. About the Department :

The Department of Journalism and Mass Communication of Aliah University currently offers one PG level course, Masters in Journalism and Mass Communication (MJMC) and PhD. With an intake capacity of 40, the Department has already produced 6 batches of bright media professionals.

The department is steadfastly working towards comprehensive and holistic syllabi that include audio-visual literacy where the students do not just become passive consumers but also active producers of media content. The documentary films produced by the students have also been shortlisted and screened at Chitra Bharati Film Festival, Kolkata on 16th February 2019.

The department of Journalism and Mass Communication is centrally located at our Park Circus campus, in the heart of the city and has the vision to emerge as a state of the art professional as well as an academic centre for excellence, with latest media studios in audio-visual production, a hugely stocked library, efficient academicians and some of the most promising students.

The department of Journalism also boasts of having alumni associated with various media houses like Taaza TV(Hindi News Channel), Puber Kalam (Bengali Newspaper), Sisbotv (YouTube Channel), Pratiche Research Institute, Kolkata.

The department is also under the process of setting a fully equipped state of art Audio Visual studio and Multi media Lab with Smart Classrooms for lectures and tutorials. The Screening Room in the department usually turns into an arena for critical analysis and appreciation of audio visual texts be it Films, Television texts or Advertisements.

The department also has its own YouTube channel equipped with the contents produced by its students over the years. Moreover, the department also has a Podcast channel in its webpage in the Aliah University Website laden with Radio production contents of its students.

The department has also organized many International Seminar and one National Seminar, a series of workshops and special lectures by International and national resource persons in the field of Mass Communication.

### 3. Academic Programmes Offered :

2-year Masters of Arts in Journalism and Mass Communication

PhD

**4. Faculty Members (In alphabetical order according to Name) :**

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
1	Ghazala Yasmin	Assistant Professor	MA	Film studies, Gender studies, Video production
2	Kaifia Ancer Laskar	Assistant Professor	PhD	Communication Research and Communication for Social Change
3	Mohammad Reyaz	Assistant Professor	PhD	Journalism, New Media, International Communication

**5. Reputed Research Publications :****International and National Journal**

Title of paper	Name of the author/s	Name of journal	ISSN number
Cyberspace in the Post-Soviet States : Assessing the Role of New Media in Central Asia	Mohammad Reyaz	<i>SAGE, Jadavpur Journal of International Relations</i>	0973-5984
Afghanistan's Islam : From Conversion to the Taliban	Mohammad Reyaz	<i>Reading Religion : A Publication of the American Academy of Religion (AAR)</i>	2475-207X
Impact of COVID 19 on Indian Media Industry : Challenges and Prospects	Kaifia Ancer Laskar	<i>Communication Today</i>	0975-217X

**6. Paper Presentations/Invited Talks :**

Name of Faculty	Title of the Paper	Seminar/Workshop	Date	International / National
Mohammad Reyaz	Kolkata: Neighbours "Living Together Separately"	International Seminar on Megacities: Conviviality and its Limits at Jadavpur University, Kolkata	26 to 28 February, 2020	International
Dr Kaifia Ancer Laskar	The Fake News Epidemic amidst the COVID 19 pandemic in India: A Case Study	Two Day International Conference on an Indian Issue: Building a Self Reliant India-Role of Media	24 - 25 July, 2020	International

Name of Faculty	Title of the Paper	Seminar/Workshop	Date	International / National
Dr Kaifia Ancer Laskar and Biswadeep Bhattacharyya	Indian Media Educators' perceived e-learning experience during the COVID-19 pandemic: A qualitative analysis	Two Day International Web Convention on Hundred Years of Media Education: Decoding the South Asian Mystique	19-20 December, 2020	International
Dr Mohammad Reyaz	Career Prospects in Mass Communication and Journalism	Internal Quality Assurance Cell, Jhargram Raj College (An affiliated College under Vidyasagar University), West Bengal	8 January, 2020	National
Ghazala Yasmin	Media Ethics in the Post-truth scenario	Yunnan Minzu International University Kunming, Yunnan, Peoples Republic of China	22.07.2020	International
Ghazala Yasmin	Gender and Media	122nd OP at UGC-HRDC, Jamia Millia Islamia	2020	National
Ghazala Yasmin	Navigating the Infodemic during the Pandemic: Role of Media	Government Degree College for Women, Hussaini Alam, Hyderabad	15.05.2020	National
Ghazala Yasmin	Fake News and its verification	Pt. Chiranjilal Sharma Government College, Karnal, Haryana	18.05.2020	National
Dr Kaifia Ancer Laskar	Journalism and Mass Communication : Courses and Career Opportunities	Bengali Academia for Social Empowerment (BASE)	14.08.2020	National

**7. Seminars/Workshops/Conferences/Short-Term Courses Organised :**

Name of Sem./ Wor./ Con.	Funded By	Date	International / National
Two Day Webinar Series on "Covering COVID 19 in South Asia"		17.07.2020 and 18.07.2020	International



<b>Name of Sem./ Wor./ Con.</b>	<b>Funded By</b>	<b>Date</b>	<b>International / National</b>
One Day webinar on " Rigour in Communication and Mass Media Research: Theories and Praxis"	—	7.26.2020	International
Academic Collaborator in 2 Day International Web Convention "Hundred Years of Media Education: Decoding the South Asian Mystique"	—	19.12.2020 and 20.12.2020	International

## Department of Law

### 1. Year of Establishment of the Department : 2013

### 2. About the Department :

The Department of Law was started in 2013. The Department is aimed to provide higher Legal education with overall grooming of the students. The post-graduation degree in law not only helps students to better understand the Constitutional and Jurisprudential aspect of any dispute but also provides a deep clarity on the legal procedure. It increases the critical legal thinking in students and helps them in analysis the law more cautiously. Similarly, research in law opens the doors of the interdisciplinary application of law. Research or programme not only analyses the law but also suggest the solution for any current legal problem. The department of law offers Master of Law (LLM) and Doctor of Philosophy (PhD, Law) Courses currently. There are 30 seats in the LLM course. The department is running LLM programme with Business Law and Family Law specialization. The department is having qualified and experienced faculty members. The faculty members have attended many workshops and seminars and have many publications and books to their credit. The department focuses on academic excellence and provides an academic and research environment to students in which they can excel to the best of their abilities.

### 3. Academic Programmes Offered:

2-year LLM

PhD

### 4. Faculty Members (In alphabetical order according to Name) :

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
1	Nasreen Azaunnisa	Assistant Professor	LLM	Corporate Law
2	Syed Mohammad awar	Assistant Professor	PhD	Corporate Law
3	Zubair Ahmed	Assistant Professor	PhD	Commercial Law

### 5. Seminars/Workshops/Conferences/Short-Term Courses Organised:

Name of Sem./ Wor./ Con.	Funded By	Date	International / National
National Seminar on Impact of Islamic Law in the Contemporary Indian Legal System	Centre for Study and Research, Hyderabad and amp; Council on Legal Studies, New Delhi	25 February, 2020	National

## Department of Urdu

### 1. Year of Establishment of the Department : 2015

### 2. About the Department :

Department of Urdu was started in the year 2015 with guest teachers. Six permanent faculty members joined the Department in 2017. The Department runs UG, PG and Doctoral Programmes.

The department encourages quality research along with effective teaching and learning. The research scholars of the department are doing their research work smoothly and are guided by all possible means by the faculty members. The Department has organized several national and international seminars and conferences in which exchange of great ideas have taken place that helped in shaping the direction of the research in the department. It has organized a historic memorial lecture on 'Maulana Abul Kalam Azad and Unity in Diversity' in February 2020. The department offers a perfect combination of academic and extracurricular activities by which the potential of the students and scholars flourish beautifully.

### 3. Academic Programmes Offered :

BA (Hons.) and MA in Urdu, PhD

### 4. Faculty Members (In alphabetical order according to Name) :

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
1	Aqlima Khatoon	Assistant Professor	MA, MPhil, PhD	Urdu Short Story and Novel
2	Drakhshan Zarrin	Associate Professor	MA, MEd, PhD	Urdu Linguistics and Contemporary Urdu Literature
3	Nilofer Firdaus	Assistant Professor	MA, D.Phil,	Urdu Fiction
4	Sayeda Mehria Murshed Al-Quadri	Assistant Professor	MA, PhD	Ghair Afsanwi Nasr
5	Sayeed Ahmad	Assistant Professor	MA, MPhil, PhD	Urdu Safarnama and Novel
6	Shaheen Sultana	Associate Professor	MA (Urdu and English) BEd , PhD	Modern Urdu Ghazal

5. Reputed Research Publications :

Book, Book Chapter, etc.

Name of the teacher	Title of the book/ chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National/ International	ISBN/ ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
Shaheen Sultana (Ed.)	<i>Abdul Ghafoor Nassakh-Hayaat-Fan</i>	Nassakh ki Ghazon mein ishq ki karishma sazi	—	—	—	978-16-59872-7-1	—	Department of Urdu, Aliah University, Kolkata
Drakhshan Zarrin	<i>Lisani wa Adabi Tafheem</i>	—	—	—	—	978-93-90167-44-9	—	Brown Book Publication
Drakhshan Zarrin	<i>Abdul Ghafoor Nassakh-Hayaat-Fan</i>	Nassakh ki Zaban Aur Zaban e Rekhta	—	—	—	978-16-59872-7-1	—	Department of Urdu, Aliah University, Kolkata
Drakhshan Zarrin	<i>Nazeer Akbarabadi</i>	Nazeer Akbarabadi Aur Urdu Ka Lisani Irteqa	—	—	—	978-93-84286-98-9	—	West Bengal Urdu Academy, Kolkata
Syeda Mehria Murshed Al-Quadri	<i>Abdul Ghafoor Nassakh-Hayaat-Fan</i>	Abdul Ghafoor Nassakh Hayat O Khidmat	—	—	—	978-16-59872-7-1	—	Department of Urdu, Aliah University, Kolkata

**6. Paper Presentation/Invited Talk :**

Name of the Faculty Member	Title of the Paper / Invited talk	National / International/State	Organizing Institution	Date
Shaheen Sultana	Ahmad Faraz ki Ghazlon Mein Akhlaqi Aqdaar	International Webinar	Department of urdu, Aliah University	04.11.2020

**7. Seminars/Workshops/Conferences/Short-Term Courses Organised :**

Name of Sem./ Wor./ Con.	Funded By	Date	International / National
1st Maulana Abul Kalam Azad Memorial Lecture on Maulana Abul Kalam Azad Aur Taksiri Hum Ahangi (Maulana Abul Kalam Azad and Unity in Diversity)	Aliah University	11 February, 2020	National
Asri Adab Aur Ikhlaqi Aqdar	Aliah University	4 November, 2020	International Webinar

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**MANAGEMENT  
AND  
BUSINESS ADMINISTRATION**

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## Department of Management and Business Administration

### 1. Year of Establishment of the Department : 2008

### 2. About the Department :

The Department of Management/Business Administration (known as the Department of Business Studies) started its journey in 2008 in association with a private institute. It was established with a vision of creation of ever-expanding opportunities for higher education and research in emerging areas for the capacity-building and empowerment through all-round development of the future citizens, particularly the socially and educationally backward classes belonging to the Minorities. The Department started running its courses independently since 2014. It offers five years integrated Masters in Business Management and Doctoral programme in Management. In 2016, the Department has been renamed as the Department of Management and Business Administration. The Department of Management and Business Administration is committed to:

- **Impart** professional knowledge, skill and attitude in the arena of business management and administration to students at the under-graduate and post-graduate levels, through innovative pedagogy, practical applications and industry-academia interactions.
- **Encourage** innovative ideas, in-depth analysis of the vibrant business environment, explore new research horizons, organize platforms for academic deliberations and attract inquisitive minds to its doctoral programme with its expert faculty members.
- **Contribute** in skill enhancement and development to increase the employability, self reliance and empowerment of small entrepreneurs through need-based training programmes.
- **Provide** expertise in solving business, management and administration-related challenges of various organizations through consultancy.
- **Serve** the requirements of the market by providing updated course curriculum of its existing programs as well as offering new professional courses.
- **Create** visionary and inspiring future leaders who will be financially self-reliant, entrepreneurial, ethical and empowered with the ability to merge the socio-economically backward society with the main stream of the society, and thereby contribute to the overall development of the country.

### 3. Academic Programmes Offered : Five years Integrated MBA

### 4. Faculty Members (In alphabetical order according to Name) :

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
1	Abdul Motin Ostagar	Assistant Professor	BE, MBA	Finance
2	Adnan Ahmed Siddiqui	Assistant Professor	MBA	Finance



Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
3	Arup Kumar Baksi	Associate Professor	MBA, MSc, PhD	Marketing, Strategic Management
4	Asima Sarkar	Assistant Professor	MSc, PhD	Data Analysis/Statistics
5	Asraful Islam	Assistant Professor	MBA	Marketing
6	Ayan Majumdar	Assistant Professor	MCom, PhD, FCA	Finance
7	Furquan Uddin	Assistant Professor	MCom, PhD, Post Doc	Marketing
8	Gholam Syedain Khan	Assistant Professor	MCom, MBA	Finance
9	Kaushik Kundu	Associate Professor	MBA, PhD	Human Resource Management
10	Mirza Mabood Ali Beg	Assistant Professor	MBA	Human Resource Management
11	Nasreen Nasar	Assistant Professor	MBA	Human Resource Management
12	Parveen Ahmed Alam	Associate Professor	MBA, PhD	Human Resource Management
13	Rasheed K.	Assistant Professor	MBA	Marketing
14	Samiran Sur	Assistant Professor	MBA, PhD	Marketing
15	Somnath Chatterjee	Assistant Professor	MBA, PhD	Marketing
16	Zarnigah Parvez	Assistant Professor	MBA	Finance

#### 5. Major Areas of Research and Development :

Retail management, entrepreneurship, tourism and hospitality management, consumer behaviour, employee retention, employee commitment, behavioural finance

#### 6. Reputed Research Publications :

##### International and National Journal

Title of paper	Name of the author/s	Name of journal	ISSN number
The Effectiveness and Sensitivity of Stochastic Oscillator and Relative Strength Index in Select Indian Stocks	Chakrabarty, A, Majumdar, Ayan	<i>Our Heritage</i>	0474-9030

Title of paper	Name of the	Name of journal author/s	ISSN number
Cash Flow Ratios Under Growth Approach as an Indicator for Evaluation of Business Performance.	<b>Majumdar, Ayan,</b> Majumdar, D.	<i>Journal of Commerce and Accounting Research</i>	2277-2146
Covid-19 and its Impact on the use of Digitalisation by Rural MSMEs in India	Ahmed,S., <b>Sur, S.</b>	<i>Zeichen Journal (Scopus)</i>	09324747
Design and data analytics of electronic human resource management activities through Internet of Things in an organisation	<b>Nasreen Nasar,</b> Ray, S., Umer, S., Mohan, H.	<i>Journal of Software Practice and Experience</i>	Online : ISSN : 1097024X
Exploring the relationship between controllable metrics and Socio-Environmental Performance Indicators in Responsible Tourism Context Using Temporal Causal Model	<b>Baksi, Arup Kumar,</b> Parida. B. B.	<i>Annals of Tourism (Brazil) (Scopus) (ABDC Enlisted)</i>	e-ISSN : 2238-2925
Understanding Responsible Tourism Perception by Mining Twitter Data: A Sentiment Analysis Approach	Baksi, A. K.	<i>Journal of Tourism</i>	0972-7310
Identifying Destination Branding Using Twitter Data	Baksi, Arup Kumar	<i>SCMS Journal of Indian Management (Scopus)</i>	0973-3167
Factors determining choice of complementary and alternative medicine in acute and chronic diseases	Praheli Dhar Chowdhuri, <b>Kundu, K.</b>	<i>Journal of Complementary and Integrative Medicine. (Scopus)</i>	15533840
Role of Demographic, Cognitive, Social Factors and Personality Trait on Treatment Modality Related Decision Making : A Conceptual Framework	Praheli Dhar Chowdhuri, <b>Kundu, K.</b>	<i>Indian Journal of Public Health Research and Development (Scopus)</i>	0976-0245
Influence of Behavioral Biases on Investment Behavior	Banerji, J, <b>Kundu, K.</b> and <b>Alam, P.A.</b>	<i>SCMS Journal of Indian Management (Scopus; UGC Care A List)</i>	0973 - 3167

Title of paper	Name of the author/s	Name of journal	ISSN number
Safed Detergent Powder: Regional Brand with Rural Focus	Dev Narayan Sarkar, <b>Kundu, K.</b>	<i>Asian Case Research Journal, Vol. 23, Issue 2, 457-489 (Scopus)</i>	0218-9275, 1793-6772
Conceptual Expansion and Approaches to the Concept of Alternative Economy	Dev Narayan Sarkar, <b>Kundu, K</b>	<i>Global Journal of Emerging Market Economies. 12(3) 257-282, 2020</i> © 2020 Emerging Markets Institute, Beijing (Scopus)	0974-9101, 0975-2730
Exploring the significance of Emotional Attachment, Behavioural Readiness, Affiliation, and Values in developing the construct of Organizational Commitment	Bihani, P., <b>Kundu, K.</b> , Sarkar, D N., Banerjee, S.	<i>Vilakshan, XIMB Journal of Management, Vol 15 (2),</i>	0973-1954
Influence of Behavioral Biases on Investment Behavior	Banerji, J, <b>Kundu, K. &amp; Alam, P.A.</b>	<i>SCMS Journal of Indian Management (Scopus)</i>	0973-3167
Effect of Service Capabilities on Performance of Banks-An Empirical Analysis	Misabpt, <b>Rasheed K</b> , Saidalavi K	<i>International Journal of Psychological Rehabilitation</i>	1475-7192
CRM: A differentiating strategy to retain customer in life insurance sector	Furquan Uddin	<i>The Management Accountant</i>	0972-3528
An empirical study on problems of policyholders of LIC of India	<b>Furquan Uddin</b> and Mohammad Razi-ur-Rahim	<i>International Journal of Financial Services Management, Inderscience (ABDC)</i>	1741-8062

## 7. Paper Presentation/Invited Talk :

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Arup Kumar Baksi	Social Network Analysis to Identify 2 Tourism Networks	National Seminar on Paradigms of Development	A. K. Dasgupta Centre for Planning and Development, Visva Bharati	1 February, 2020

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Arup Kumar Baksi	Invited Talk as Resource Person : Development of Research Hypothesis and Gap Analysis using NVivo	10-Day National e-Workshop on Contemporary Methodologies and Tools in Research	A. K. Dasgupta Centre for Planning and Development, Visva Bharati	4 October, 2020
Arup Kumar Baksi	Invited Talk as Resource Person: Collection of Data and Data Processing	10-Day National e-Workshop on Research Methodology and Data Management	A. K. Dasgupta Centre for Planning and Development, Visva Bharati	6 October, 2020
Arup Kumar Baksi	Impact of Responsible Tourism Metrics on Socio-Environmental Indicators in Post COVID-19 Environment: A Predictive Analysis using Temporal Causal Modelling	1st Asian Tourism Research Conference 2020: Interpreting the Landscape of Asian Tourism	School of Tourism Studies, Mahatma Gandhi University	1 to 3 December, 2020
Arup Kumar Baksi	Invited Talk as Resource Person: Launching Courses on SWAYAM and Virtual Classroom Management	7-Day National Workshop on Planning and Development of Massive Open Online Courses [MOOCs]	A. K. Dasgupta Centre for Planning and Development, Visva Bharati	13 December, 2020
Arup Kumar Baksi	Invited Talk as Resource Person: Process to Run MOOC	7-Day National Workshop on Planning and Development of Massive Open Online Courses [MOOCs]	A. K. Dasgupta Centre for Planning and Development, Visva Bharati	14 December, 2020
Arup Kumar Baksi	Invited Talk as Resource Person : Integrating Tourism and Livelihood Activities for Socio Economic Resurgence: The Way Forward	National Seminar on Pro-poor Tourism vis-a-vis Livelihood Stability during Post-COVID-19	Department of Tourism Studies, School of Management, Pondicherry University	22 May, 2020

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Arup Kumar Baksi	Invited Talk as Resource Person: Travel, Tourism, and Hospitality under Pandemic Crisis: Predictions and Policies	7-Day International Online Workshop on COVID-19 and its impact in India	IQAC, Chandidas Mahavidyalaya, Khujutipara, Birbhum in collaboration with IQAC, Ananda Chandra College, Jalpaiguri	21-27 July, 2020
Arup Kumar Baksi	Invited Talk as Resource Person: Content Development for Online Lectures and Integrating Content with Cloud-based LMS	One Week National e-Workshop on Using Open Source Learning Management System for Online Teaching	Visva-Bharati Library Network (VBLN) and Dept. of Statistics, Siksha Bhavana, Visva-Bharati, Santiniketan	20 August, 2020
Arup Kumar Baksi	Invited Talk as Resource Person: Practical Demonstration/ Hands-on Training on Use of LMS	One Week National e-Workshop on Using Open Source Learning Management System for Online Teaching	Visva-Bharati Library Network (VBLN) and Dept. of Statistics, Siksha Bhavana, Visva-Bharati, Santiniketan	21 August, 2020
Arup Kumar Baksi	Invited Talk as Resource Person: Factor Analysis and Structural Equation Modeling	7-Day Faculty Development Programme in Hospitality and Management Research: Methodological Analysis	Siksha 'O' Anusandhan Deemed to be University, Bhubaneswar	5 to 11 August, 2020
Kaushik Kundu	Organizational Development and Interventions (Invited lecture)	National	Viswabharati University	June, 2020
Kaushik Kundu	Use of Multivariate data analysis in social science research (Invited lecture)	National	Viswabharati University	November, 2020

Name of the Faculty Member	Title of the Paper / Invited talk	National / International / State	Organizing Institution	Date
Nasreen Nasar	Prediction Model for Talent Management Analysis through E-HRM	International Conference on Industrial and Manufacturing Systems (CIMS-2020) organized by Department of Industrial and Production Engineering	Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, India	9 - 11 October, 2020
Samiran Sur	Contemporary Methodologies And Tools In Research	National (Workshop Lecture)	A.K.Dasgupta Centre For Planning And Development [A Centre Sponsored By The Niti Aayog, Govt. Of India] Visva-Bharati, Santiniketan, WEST BENGAL, INDIA	5 October, 2020
Gholam Syedain Khan	Exploring the Causal Relationship between Interest rates and the Indian Equity Market - Evidence from BSE Sensex	Two-Day International Conference on Emerging issues in Finance and Banking - 2020	Surendranath Evening College, Kolkata	27-28 February, 2020

**8. Seminars / Workshops / Conferences / Short-Term Courses Organised :**

Name of Sem./Wor./Con.	Funded By	Date	International/ National
10-day Research Methodology Course	ICSSR, New Delhi	13.01.2020 to 22.01.2022	National
Workshop on Entrepreneurship as an Alternate Career Mode	Dept. of Business Management, University of Calcutta Supported by UKIERI Project	21.01.2020	National
1st HR Conclave (Online)	Aliah University	07.11.2020	National

Name of Sem./Wor./Con.	Funded By	Date	International/ National
Webinar on "Awareness of Sexual Harassment of Women at Workplace"	Aliah University	05.08.2020	National
1st Research Colloquium (Online)	Literature Review with NVivo	31.08.2020	National
2nd Research Colloquium (Online)	Using Moodle for Online Teaching	09.09.2020	National
3rd Research Colloquium (Online)	Analysing Text Data with R for Management Literature	17.09.2020	National
4th Research Colloquium (Online)	Evaluation Metrics for Statistical Models: Using R	27.09.2020	National
5th Research Colloquium (Online)	Using Padlet to Communicate and Collaborate in Online Platform	11.10.2020	National
6th Research Colloquium (Online)	Structural Equation Modeling Using AMOS	14.10.2020	National
Two-Week Online Faculty Development Programme on Advanced Techniques and Tools in Social Science Research	SPSS, South Asia and Aliah University	24.11.2020 to 07.12.2020	National

**9. Collaborative activities with other institutions/ research establishment/industry for research and academic development :**

Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration	Nature of the activity
Research Project	A. K. Dasgupta Centre for Planning and Development, Visva Bharati	Arup Kumar Baksi	1 year	Project: Assessing the Scope in Harnessing Social Innovations in Community-Based Rural-Tourism (CBRT) in Pandemic Environment : A study in the district of Birbhum, West Bengal



NSS ACTIVITIES : PICTURE GALLERY



NSS Programme Officer doing Yoga at his home on International Day of Yoga on 21st June, 2020 during Covid-19 pandemic



NSS Programme Officer doing Yoga at his home on International Day of Yoga on 21st June, 2020 during Covid-19 pandemic



Distribution of Medicine among needy people during Covid - 19 pandemic



## আলিয়া বিশ্ববিদ্যালয়



**NSS UNIT**



শুধু আমাদের জন্য নয়, আপনাদের জন্যও

ঘরে থাকুন, সুস্থ থাকুন

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ঘরে থাকুন, সুস্থ থাকুন

Message for public awareness during Covid - 19 pandemic



Packing of food packets for distribution among needy people during Covid - 19 pandemic





Food packets are ready for distribution during Covid - 19 pandemic



Distribution of food and other essential commodities among needy people during Covid - 19 pandemic



Distribution of food packets among needy people during Covid - 19 pandemic



Distribution of food packets among needy people during Covid - 19 pandemic



## আলিয়া বিশ্ববিদ্যালয়ের ত্রাণ বিলি

দিন দর্পণ, কলকাতা: আলিয়া বিশ্ববিদ্যালয়ের এনএসএস শাখার উদ্যোগে রাজ্যজুড়ে কয়েকটি জেলার বিভিন্ন গ্রামে গতকাল খাদ্য সামগ্রী বিতরণ করা হয়। তবে আলিয়া বিশ্ববিদ্যালয়ের ছাত্রছাত্রীরা দেশের যে কোন প্রান্তে বিপর্যয়, বন্যা ও মহামারী কবলিত গরিব মানুষের সেবায় বরাবর ঝাঁপিয়ে পড়েন। ২০১৭ সালে উত্তরবঙ্গের বন্যা কবলিত মানুষের পাশে বিশাল পরিমাণ ত্রাণ সামগ্রী বিতরণ করেছিলেন এবং কেরালার বন্যা পীড়িত মানুষের পাশে দাঁড়িয়ে ছিলেন এনএসএসের দায়িত্বপ্রাপ্ত কোর্ডিনেটর ও ভূগোল বিভাগের প্রাক্তন বিভাগীয় প্রধান ডঃ মুহাম্মদ মোস্তাকিমের নেতৃত্বে। বারবার মানবিক মুখ দেখে ছি বিশ্ববিদ্যালয়ের ছাত্রছাত্রীদের। সারা দেশজুড়ে লকডাউন ও বিশ্ববিদ্যালয় ছুটি। তার মধ্যেও সামাজিক দূরত্ব বজায় রেখে রাজ্যের

বিভিন্ন প্রান্তে স্বেচ্ছাসেবক দল নিজেদের জীবন বিপন্ন করে ত্রাণ সংগ্রহ করেছেন। বিশ্ববিদ্যালয়ের শিক্ষক ও ভারপ্রাপ্ত আধিকারিকদের উদ্যোগেই রাজ্যজুড়ে ত্রাণ বিতরণের উদ্যোগ গ্রহণ করেন। বিশ্ববিদ্যালয়ের উপাচার্য মুহাম্মদ আলি, রেজিস্ট্রার আমজেদ হোসেন, সহকারী রেজিস্ট্রার ডঃ শেখ আশরাফ আলির প্রচেষ্টায় রাজ্যজুড়ে ত্রাণ বিতরণ। বিশ্ববিদ্যালয়ের তরফে জানানো হয়, চারশো পরিবারকে তিনশো টাকা করে খাদ্য সামগ্রী তুলে দেওয়া হয়। খাদ্য সামগ্রী হিসাবে দেওয়া হয় চাল, আটা, ডাল, আলু, পেঁয়াজ, সরিষার তেল, মুড়ি, লবণ, সাবান প্রভৃতি। বিশ্ববিদ্যালয়ের পক্ষে অসহায় মানুষদের হাতে খাদ্য সামগ্রী তুলে দেন এনএসএস বিভাগের দায়িত্ব প্রাপ্ত ছাত্রছাত্রীরা। প্রধানত খাদ্য বিতরণ করা হয় বাঁকুড়া শহরের বস্তি অঞ্চলের গরিব মানুষদের মধ্যে এবং

মুর্শিদাবাদ জেলার রঘুনাথগঞ্জ থানার অন্তর্গত ইসলামপুর গ্রামে। খাদ্য সামগ্রী তুলে দেওয়া হয় মালদার কালিয়াচকের রানুচক ও আলিপুর সংলগ্ন এলাকায় এবং নদিয়ার কৃষ্ণনগরের দেবীপুর এলাকায়। এছাড়া উত্তর ২৪ পরগনার বীড়া, মল্লিকপাড়া ও হাবরা অঞ্চলে এবং দক্ষিণ ২৪ পরগনার ক্যানিংয়ে। বিশ্ববিদ্যালয়ের আরও দু'জন এনএসএস শাখার ভারপ্রাপ্ত অফিসার ডঃ নাসিম আলি এবং ডঃ জাহাঙ্গীর আলাম খাদ্যসামগ্রী বিতরণে যুক্ত ছিলেন। ডঃ মুস্তাকিম বলেন, দীর্ঘ লকডাউনে বহু মানুষের কোন রোজগার নেই। তাই তাদের মধ্যে খাদ্য সংকট দেখা দিয়েছে। এই সমস্যা গরিব মানুষের কথা চিন্তা করে বিশ্ববিদ্যালয়ের পক্ষ থেকে আমরা উদ্যোগ গ্রহণ করি এবং আমরা লাগাতার খাদ্য বিতরণের কাজ চালিয়ে যাব সাধ্যমত।

Cutting of Daily News Paper, Din Darpan, and Kolkata edition dated 03.05.2020 in which they covered the news of Distribution of Food packets among needy people during Covid - 19 pandemic

## 8 | উত্তরবঙ্গ

উত্তরবঙ্গ সংবাদ ৪ মে ২০২০

### ত্রাণ দিল আলিয়া

কালিয়াচক, ৩ মে : রাজ্য জুড়ে কয়েকটি জেলার বিভিন্ন গ্রামে গত কয়েকদিন ধরে খাদ্য সামগ্রী বিলি করছে আলিয়া বিশ্ববিদ্যালয়ের এনএসএস শাখা। দেশজুড়ে লকডাউনের ফলে অনেক দুঃস্থ পরিবার অর্ধথারের দিন কাটাচ্ছেন। এরই মধ্যে সামাজিক দূরত্ব বজায় রেখে রাজ্যের বিভিন্ন প্রান্তে বিশ্ববিদ্যালয়ের স্বেচ্ছাসেবক দল ত্রাণ বিলি করছেন। বিশ্ববিদ্যালয় কর্তৃপক্ষ জানিয়েছেন, প্রায় চারশো পরিবারের হাতে চাল, আটা, ডাল, আলু, পেঁয়াজ, সরিষার তেল, মুড়ি, লবণ ও সাবান তুলে দেওয়া হয়েছে। বিশ্ববিদ্যালয়ের পক্ষে মোহাম্মদ মোস্তাকিম বলেন, বাঁকুড়া শহরের বস্তি অঞ্চলে, মুর্শিদাবাদ জেলার রঘুনাথগঞ্জ থানার অন্তর্গত ইসলামপুর গ্রামে, মালদার কালিয়াচকের রানুচক ও আলিপুর গ্রামে এনএসএস শাখা ত্রাণ বিলি করেছে। এছাড়াও নদিয়ার দেবীপুরে, উত্তর ২৪ পরগনার বীড়া, মল্লিকপাড়া ও হাবরায় এবং দক্ষিণ ২৪ পরগনার ক্যানিংয়ে বিশ্ববিদ্যালয় খাবার বিলি করছে।

Cutting of Daily News Paper, Uttar Bango Sanbad, Malda edition dated 03.05.2020 in which they covered the news of Distribution of Food packets among needy people during Covid - 19 pandemic

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Dr. Syed Nurus Salam  
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**E-mail : [info@aliah.ac.in](mailto:info@aliah.ac.in)  
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