

# Aliah University



Published by :  
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## Annual Report Committee

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Cover Picture : Taltala Heritage Campus of Aliah University

Aliah University • Annual Report 2020-2021



## Annual Report 2020-21



# **Aliah University**

## **ANNUAL REPORT**

**2020-2021**

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**2020-21**

**Aliah University**

**Kolkata-700 160**

**May 2024**

**(For Free Circulation Only)**

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**Dr. Sk. Ashfaq Ali**

**Registrar, Aliah University**

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**Prepared by**

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

## **Vice-Chancellor's Message**

It is with great pleasure that I put forward the annual report of Aliah University for the session 2020-21. This report assembles the endeavours and the achievements of our university in the academic session 2020-21. Despite the adversities of the pandemic that were witnessed in education systems around the world, Aliah University strived to achieve excellence. A steadfast growth is noticed in terms of excellence in research and the fostering of an educational environment conducive to the growth of the individual and the community. Aliah University has a long and enriching history of cultural syncretism and in reading the report, the academic and administrative practices that uphold this history shall also become evident. The university has also been able to cater to the requisites in the process of digitalization of education and the infrastructural growth of the university has also been significantly furthered. A detailed account, inclusive of empirical data about the results generated in the best practices employed in teaching-learning, research, and administration, has been compiled in this annual report.

The annual report also demonstrates the synergy between various wings of the university, the students, the faculty, the administrative officers and the non-teaching staff who are ushering this educational institute, with a remarkable history of more than a century, to the current trends of growth in the twenty-first century. I appreciate their service.

For the annual report, data has been received from the NAAC committee along with other departments and offices and has been put into publication by the committee. The data has been received mostly in January-December format and has been converted into July-June format. Occasional anomalies may be traced due to this conversion of data from one format to another. The delay in publication is regretted.

I also acknowledge the efforts of the Annual Reports committee, the NAAC committee, the University Research Programme, the faculty members and non-teaching staff in all the departments, the placement cell, the administrative, and the finance section for their efforts towards the publication of this report.

**Mr. M. Wahab IPS (Retd.)**





## **From the Desk of the Registrar**

It is a matter of great pleasure that Aliah University is bringing out the Annual Report of the academic year 2020-21. This report serves as a comprehensive document showcasing the university's academic achievements and unwavering commitment to excellence. Aliah University carries a rich historical legacy, emphasising its mission of providing high-quality education and fostering responsible citizens who contribute to nation building. The university promotes cultural diversity, egalitarianism, and continuous progress. Its core principle is to empower individuals to address social inequalities and embrace inclusivity, ensuring unity within its diverse student body. The sincere efforts of all the stakeholders towards the realization of the vision to make the university a seat of excellence in all spheres are worth applauding.

The Annual Report is a testimony towards the untiring zeal of the entire Aliah community. The university acknowledges the invaluable data and contributions provided by the NAAC committee and other university bodies. The data has been received mostly in January-December format and has been converted into July-June format. Occasional anomalies may be traced due to this conversion of data from one format to another. The delay in publication is also regretted. This Annual Report serves as a catalyst for further development and excellence in academic and other university endeavours. At the same time, there may be occasional omissions or minor errors. The university acknowledges these possibilities and views them as opportunities for ongoing improvement and enhanced accuracy in future reports. The Aliah University administration welcomes suggestions and feedback to refine future reports further.

Aliah University has a great deal to celebrate since its founding. Through the tireless efforts of our entire community – students, faculty, staff, and alumni – we have achieved remarkable things. Let us build on this strong foundation. We can continue serving as ambassadors for this exceptional university by fulfilling our individual and collective potential. Our dedication will establish Aliah University's position as a leading institution and a beacon of excellence.

**Dr. Sk. Ashfaque Ali**

Registrar (Officiating), Aliah University



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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 to 12.04.2022

## 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 49 academic programmes under 23 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, Kolkata-160. 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).

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."

## 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
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. 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. Ashfaq 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 Pdns. (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. 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)	Prof. Mohammad Ali	Chairman
2	The Naib Shaikh-ul-Jamia (Pro Vice-Chancellor)	VACANT	Member
3	The Deans of Faculties	VACANT	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 the 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 the 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	Shaikh-ul-Jamia (Vice-Chancellor)	Prof. Mohammad Ali	Chairman
2	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	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	1. Mr. Soumitra Laha, Financial Advisor, MA & ME Dept. 2. Mr. Gour Pattanayak, Finance Officer, Jadavpur University 3. Mr. R. N. Roy, Joint Secretary, Dept. of Higher Education, Science and Technology and Biotechnology	Member
7	Finance Officer	Mr. Alok Nath Mondal	Secretary

## 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 Committee :

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 Officers and 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 31st 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.

**Aliah University**

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

**Financial Statement for the FY 2020-21****Income and Expenditure Statement**

Expense	Amount (₹)	Income	Amount (₹)
AUAT Expenditure	5,40,404	Grant from MA & ME Dept.	31,90,54,310
Establishment Expenses	28,61,67,337	Other Income	2,77,655
Examination Expenses	2,45,386	Interest Earned	29,11,081
Hostel Expenditure	63,88,082	Income From Fees	1,45,78,375
Other Administrative Expenses	7,64,15,411	Receipt for Seminar and Conference	71,600
Ph.D Expense	2,76,941	Excess of Expenditure over Income	32,32,56,771
Research Programme	2,55,893		
Seminar-Workshop/Symposium/ Conference	4,44,801		
Social and Cultural Programme	75,300		
Students Activities Expenses	2,91,282		
Teaching Assistanceship	5,30,000		
Refund of Grant to MA & ME Dept.	28,85,18,955		
<b>Total</b>	<b>66,01,49,792</b>	<b>Total</b>	<b>66,01,49,792</b>

## Balance Sheet

Liabilities	Amount (₹)	Amount (₹)	Assets	Amount (₹)	Amount (₹)
Capital Account			Fixed Assets:		
Opening Balance	408,72,97,983		Opening Balance	311,10,57,566	
Add: Grant for Capital Creation	1,24,49,000		Add: Purchases during the year	38,92,283	311,49,49,849
Less: Refund of Grant for Capital Creation	27,98,31,082		Current Assets		52,64,48,770
Less: Excess of Expenditure over Income	32,32,56,771	349,66,59,130			
Current Liabilities		9,16,37,519			
AU Employee Provident Fund A/c		5,31,01,969			
<b>Total</b>		<b>364,13,98,618</b>	<b>Total</b>		<b>364,13,98,618</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 provide 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 assignment 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 up to 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.

**Result of University Examinations  
(Final Examination/Final Semester) - 2021**

Sl. No.	Programme	Appeared	Passed
1	2-yr.M.A. in Arabic	45	45
2	2-yr.M.A. in Bengali	44	44
3	2-yr.M.A. in English	16	16
4	2-yr.M.A. in LL.M	28	28
5	2-yr.M.A. in History	16	16
6	2-yr.M.A. in Journalism and Mass Communication	6	6
7	2-yr.M.A. in Urdu	25	25
8	2-yr.M.A. in Geography	7	7
9	2-yr.M. Sc. in Geography	7	7
10	2-yr.M. Sc. In Mathematics	10	10
11	2-yr.M. Sc. in Statistics	6	6
12	2-yr. M. Sc. in Botany	5	5
13	2-yr. M. Sc. in Zoology	10	10
14	2-yr. M. Sc. in Microbiology	6	6
15	2-yr.M. Sc. in Chemistry	9	9
16	2-yr.M. Sc. in Physics	11	11
17	2-yr M.A. in Theology	155	146
18	2-yr. M.A. in Education	20	20
19	2-yr. Bachelor of Education (B.Ed.)	93	93
20	2-yr. M. Tech. in Civil Engineering	16	14
21	2-yr. M. Tech. in Computer Science and Engineering	12	8
22	2-yr. M. Tech. in Electronics and Communication Engineering	6	6
23	2-yr. M. Tech. in Electrical Engineering	12	8
24	2-yr. M. Tech. in Mechanical Engineering	16	11
25	3-yr. B.A Hons. in Theology (Kamil Hons)	117	111
26	3-yr. B.A in Theology (Kamil Gen.)	5	4

Sl. No.	Programme	Appeared	Passed
27	3-yr. B.A. Hons in Arabic	45	41
28	3-yr. B.A. Hons in Bengali	34	32
29	3-yr. B.A. (Hons) in Urdu	7	7
30	3-yr. B.A. (Hons) in Islamic Studies	39	36
31	3-yr. B.A. Hons in English	48	47
32	3-yr. B.A. Hons in Geography	48	45
33	3-yr. B.A. Hons in History	21	21
34	3-yr. B.Sc. Hons in Chemistry	42	42
35	3-yr. B.Sc. Hons in Economics	0	0
36	3-yr. B.Sc. Hons in Mathematics	44	44
37	3-yr. B.Sc. Hons in Physics	30	30
38	3-yr. B.Sc. Hons in Statistics	2	2
39	3-yr. B.Sc. Hons in Botany	11	11
40	3-yr. B.Sc. Hons in Zoology	14	14
41	3-yr. B.Sc. Hons in Microbiology	14	13
42	3-yr. Bachelor of Computer Application (BCA)	5	5
43	3-yr. Master of Computer Application (PGMCA)	18	13
44	4-yr. B.Tech. in Civil Engineering	32	31
45	4-yr. B. Tech. in Computer Science and Engineering	57	56
46	4-yr. B. Tech. in Electronics and Communication Engineering	22	21
47	4-yr. B. Tech. in Electrical Engineering	34	32
48	4-yr. B. Tech. in Mechanical Engineering	41	39
49	4-yr B.Sc. In Nursing	57	56
50	5-yr. Integrated M.Sc. in Chemistry	36	35
51	5-yr. Integrated M.Sc. in Mathematics and Computing	32	32
52	5-yr. Integrated M.Sc. in Physics	29	29
53	5-yr. Integrated M.Sc. in Computer Science	10	10
54	5-yr. Integrated M.Sc. in Biological Sciences	19	19
55	5-yr. Integrated MCA	2	2
56	5-yr. Integrated M.Sc. in Statistics	7	7
57	5-yr. Integrated M.Sc. in Geography	28	28
58	5-yr. Integrated M.A. in English	27	26
59	5-yr. Integrated Master of Business Administration (MBA)	39	33

## Aliah University Admission Test (AUAT)

Aliah University is committed to provide quality education and training at the UG and PG levels of various programmes in different disciplines, like Science, Engineering, Humanities, and Languages, in addition to its traditional subjects, like Islamic Theology and Arabic. AUAT (Aliah University Admission Test) office, led by the Chairman and Vice-Chairman, is thus committed to provide quality students to all the departments on time.

The AUAT Committee function as an independent body for framing the norms regulating admission, admission procedures and finalizing the names of qualified candidates for admission. The AUAT Committee take responsibility for the entire admission process of Aliah University and maintain strict confidentiality related to admission matters.

### ALIAH UNIVERSITY ADMISSION TEST (AUAT) COMMITTEE:

Prof. Nurul Huda Gazi, Department of Mathematics and Statistics (**Chairman**)

Dr. Mukandar Sekh, Asst. Prof., Dept. of Mechanical Engineering (**Vice-Chairman**)

Dr. Muddasarul Hoda, Asst. Prof., Department of Biological Sciences (**Member**)

Mr. Rasheed K, Asst. Prof., Department of Management and Business Administration (**Member**)

Dr. Mohammad Reyaz, Asst. Prof., Department of Journalism & Mass Communication (**Member**)

### IMPORTANT DATES:

- Advertisement published on Newspapers for UG programs on 24/07/2020.
- Advertisement published on Newspapers for PG programs on 12/11/2020.
- Information Brochure of AUAT 2020 UG uploaded to website on 29/07/2020.
- Information Brochure of AUAT 2020 PG uploaded to website on 16/11/2020.
- Online application for UG programs started on 11/08/2020 and ended on 28/08/2020, last date to update academic details were 02/09/2020 & 03/09/2020.
- Online application for PG programs started on 17/11/2020 and ended on 05/12/2020.
- Online application for International Students started on 24/08/2020.
- Merit list for all UG courses (except Nursing, B.Tech. & Lateral entry to the 2nd year of B.Tech. programmes) published on 12/09/2020.
- Merit list published on 09/11/2020 for Nursing program.
- Downloading of Admit card started on 10/10/2020 for B.Tech. & Lateral Entry to the 2nd year of B.Tech. programmes.
- Admission test was held on 17/10/2020 for B.Tech. and lateral Entry to the 2<sup>nd</sup> year of B.Tech. programmes.
- Merit list published on 10/11/2020 for B.Tech. and lateral Entry to the 2<sup>nd</sup> year of B.Tech. programmes.
- Merit list for all PG courses published on 23/12/2020 & 24/12/2020
- All admission closed on 10/02/2021 for the Academic Session 2020-21.

DESCRIPTION	DATE (STARTED)	DATE (ENDED)
<b>Online Application for UG Programs</b>	11.08.2020	28.08.2020
• 1st Allotment Online Admission for UG programmes (except B.Tech., Lateral Entry to the 2 <sup>nd</sup> year of B.Tech. programs, Nursing and Islamic Theology)	30.09.2020	02.10.2020
• 1st Allotment Online Admission for Islamic Theology Program	13.10.2020	15.10.2020
• 1st Allotment Online Admission for Nursing Program	20.11.2020	23.11.2020
• 1st Allotment Online Admission for B.Tech. Program	01.12.2020	03.12.2020
• 1st Allotment Online Admission for Lateral Entry to the 2 <sup>nd</sup> year of B.Tech. Program	03.12.2020	06.12.2020
• 2nd Allotment Online Admission for UG Programmes (except Nursing, B.Tech. and Lateral Entry to the 2 <sup>nd</sup> year of B.Tech. Programs)	06.10.2020	07.10.2020
• 2nd Allotment Online Admission for Nursing Program	26.11.2020	29.11.2020
• 2nd Allotment Online Admission for B.Tech. & Lateral Entry to the 2 <sup>nd</sup> year of B.Tech. Program	21.12.2020	21.12.2020
• 3rd Allotment Online Admission for UG Programmes (except Nursing Program)	13.10.2020	15.10.2020
• 3rd Allotment Online Admission for Nursing Program	07.12.2020	09.12.2020
• 4th Allotment Online Admission for UG Programmes (except Nursing Program)	11.11.2020	12.11.2020
• 4th Allotment Online Admission for Nursing Program	15.12.2020	17.12.2020
• 5th Allotment Online Admission for UG Programmes	17.11.2020	19.11.2020
• 6th Allotment Online Admission for UG Programmes	25.11.2020	29.11.2020
• 7th Allotment Online Admission for UG Programmes	10.12.2020	11.12.2020
<b>Online Application for PG and B.Ed. Programs</b>	17.11.2020	05.12.2020
• 1st Allotment Online Admission for PG Programmes (except 2 year M.A. in Islamic Theology & B.Ed.)	29.12.2020	31.12.2020
• 1st Allotment Online Admission for 2 year M.A. in Islamic Theology	08.01.2021	13.01.2021
• 1st Allotment Online Admission for 2 year B.Ed. Program	21.01.2021	22.01.2021
• 2nd Allotment Online Admission for PG programmes (except 2 year Math & B.Ed.)	09.01.2021	13.01.2021



DESCRIPTION	DATE (STARTED)	DATE (ENDED)
● 2nd Allotment Online Admission for 2 year Math	02.01.2021	06.01.2021
● 2nd Allotment Online Admission for 2 year B.Ed. Programmes	01.02.2021	02.02.2021
● 3rd Allotment Online Admission for PG Programmes (except 2 year Math & B.Ed.)	19.01.2021	20.01.2021
● 3rd Allotment Online Admission for 2 year Mathematics	09.01.2021	13.01.2021
● 3rd Allotment Online Admission for 2 year B.Ed. Programmes	09.02.2021	10.02.2021
● 4th Allotment Online Admission for PG Programmes (except 2 year Math)	29.01.2021	31.01.2021
● 4th Allotment Online Admission for 2 year Mathematics	19.01.2021	20.01.2021
● 5th Allotment Online Admission for PG Programmes	09.02.2021	10.02.2021
● All Admission Closed on	10.02.2021	

#### DEPARTMENTS AND PROGRAMMES:

DEPARTMENTS	PROGRAMMES
Department of Civil Engineering (CEN)	B.Tech. in Civil Engineering (CEN)
	Lateral Entry to the 2nd year of B.Tech. in Civil Engineering
	M.Tech. in Civil Engineering
Department of Electrical Engineering (EEN)	B.Tech. in Electrical Engineering (EEN)
	Lateral Entry to the 2nd year of B.Tech. in Electrical Engineering
	M.Tech. in Electrical Engineering
Department of Electronics & Communication Engineering (ECE)	B.Tech. in Electronics & Communication Engineering (ECE)
	Lateral Entry to the 2nd year of B.Tech. in Electronics & Communication Engineering
	M.Tech. in Electronics & Communication Engineering
Department of Computer Science Engineering (CSE)	B.Tech. in Computer Science and Engineering (CSE)
	Lateral Entry to the 2nd year of B.Tech. in Computer Science and Engineering
	BCA
	MCA
	M.Tech. in Computer Science and Engineering



DEPARTMENTS	PROGRAMMES
Department of Mechanical Engineering (MEN)	B.Tech. in Mechanical Engineering (MEN)
	Lateral Entry to the 2nd year of B.Tech. in Mechanical Engineering
	M.Tech. in Mechanical Engineering
Department of Biological Sciences	B.Sc. Honours in Botany
	B.Sc. Honours in Microbiology
	B.Sc. Honours in Zoology
	M.Sc. in Botany
	M.Sc. in Microbiology
	M.Sc. in Zoology
Department of Chemistry	B.Sc. Honours in Chemistry
	M.Sc. in Chemistry
Department of Mathematics & Statistics	B.Sc. Honours in Mathematics
	M.Sc. in Mathematics
	B.Sc. Honours in Statistics
	M.Sc. in Statistics
Department of Physics	B.Sc. Honours in Physics
	M.Sc. in Physics
Department of Arabic	B.A. Honours in Arabic
	M.A. in Arabic
Department of Bengali	B.A. Honours in Bengali
	M.A. in Bengali
Department of English	B.A. Honours in English
	M.A. in English
Department of Urdu	B.A. Honours in Urdu
	M.A. in Urdu
Department of Geography	B.A./B.Sc. Honours in Geography
	M.A./M.Sc. in Geography
Department of History	B.A. Honours in History
	M.A. in History
Department of Economics	B.A./B.Sc. Honours in Economics
Department of Islamic Theology	B.A. Honours in Islamic Theology
	M.A. in Islamic Theology

DEPARTMENTS	PROGRAMMES
Department of Islamic Studies	B.A. Honours in Islamic Studies
	M.A. in Islamic Studies
Department of Nursing	B.Sc. in Nursing
Department of Management and Business Administration	Integrated MBA (BBA-MBA)
Department of Education	B.Ed.
	M.A. in Education
Department of Journalism and Mass Communication	M.A. in Journalism and Mass Communication
Department of Law	Master of Law (LL.M.)

**PROGRAMME WISE APPLICATION, INTAKE CAPACITY AND NUMBER OF ADMITTED STUDENTS COUNT:**

Programme Code	Programme Name	Number of seats available	Number of applications received	Number of Students admitted		
				Total	Male	Female
U21	4-year B. Tech. in Civil Engineering (CEN)	60	598	38	34	4
	4-year B. Tech. in Electrical Engineering (EEN)	60		44	40	4
	4-year B. Tech. in Electronics & Communication Engineering (ECE)	60		49	42	7
	4-year B. Tech. in Computer Science & Engineering (CSE )	60		60	45	15
	4-year B. Tech. in Mechanical Engineering (MEN)	60		39	37	2
U34	3-year BCA	30	199	21	18	3
U31	4-year B.Sc. in Nursing	60	1356	65 (J&K)	0	65
U33	5-year Integrated MBA (BBA-MBA)	60	314	59	42	17
U14	3-year B. Sc. Honours in Botany	20	1069	19	6	13
	3-year B. Sc. Honours in Microbiology	20		17	8	9
	3-year B. Sc. Honours in Zoology	20		20	11	9
U12	3-year B. Sc. Honours in Chemistry	60	539	48	32	16
U13	3-year B. Sc. Honours in Mathematics	60	393	52	35	17
	3-year B. Sc. Honours in Statistics	60		9	8	1
U11	3-year B. Sc. Honours in Physics	60	537	55	47	8

Programme Code	Programme Name	Number of seats available	Number of applications received	Number of Students admitted		
				Total	Male	Female
U02	3-year B.A. Honours in Bengali	60	346	41	15	26
U03	3-year B.A. Honours in English	60	969	57	27	30
U06	3-year B.A./B. Sc. Honours in Geography	60	818	52	27	25
U05	3-Year B.A. Honours in History	50	422	41	31	10
U07	3-year B.A. /B. Sc. Honours In Economics	25	94	14	11	3
U01	3-Year B.A. Honours in Arabic	65	293	55	39	16
U08	3-Year B.A.in Theology Honours	200	1590	150	109	41
U09	3-Year B.A. Honours in Islamic Studies	60	220	42	27	15
U04	3-Year B.A. Honours in Urdu	50	103	29	6	23
U22	CEN (Lateral Entry)	22	1016	22	19	3
	EEN (Lateral Entry)	22		21	16	5
	ECE (Lateral Entry)	22		21	13	8
	CSE (Lateral Entry)	8		8	5	3
	MEN (Lateral Entry)	32		29	28	1
U32	2-year B. Ed. programmes	100	875	100	49	51
P26	3-year MCA	30	72	26	15	11
P12	2-year M.Sc. in Chemistry	12	203	7	1	6
P13	2-year M.Sc. in Mathematics	35	418	32	24	8
P14	2-year M.Sc. in Statistics	50	76	38	20	18
P11	2-year M.Sc. in Physics	12	266	6	6	0
P02	2-year M. A. in Bengali	50	298	50	11	39
P03	2-year M.A. in English	15	345	14	6	8
P06	2-year M.A./M.Sc. in Geography	15	410	15	5	10
P05	2-year M.A. in History	50	184	41	23	18
P32	2-year Master in Law (LL.M.)	30	198	30	5	25
P01	2-year M.A. in Arabic	50	189	45	39	6
P08	2-year M.A. in Theology	200	490	159	131	28
P31	2-year M.A. in Journalism and Mass Communication	40	191	35	15	20
P04	2-year M.A. in Urdu	40	93	34	7	27
P21	2-year M.Tech. in Civil Engineering	18	138	18	16	2
P24	2-year M.Tech. in Electronics and Communication Engineering	18	21	8	5	3

Programme Code	Programme Name	Number of seats available	Number of applications received	Number of Students admitted		
				Total	Male	Female
P25	2 year M.Tech. in Computer Science and Engineering	18	73	17	15	2
P23	2 year M.Tech. in Electrical Engineering	18	55	18	17	1
P22	2 year M.Tech. in Mechanical Engineering	18	77	18	18	0
P07	2 year M.A. in Education	30	208	23	6	17
P15	2-year M.Sc. in Botany	20	114	19	4	15
P16	2-year M.Sc. in Microbiology	7	66	7	3	4
#	2 year M.A. in Islamic Studies	50	41	26	25	1
<b>TOTAL</b>		<b>2412</b>	<b>15977</b>	<b>1963</b>	<b>1244</b>	<b>719</b>

## University Research Programme (URP)

### A Brief Report (Academic Session 2020-2021)

The University Research Programme (URP) Cell functions with the Coordinator, Joint Coordinator and non-teaching staff. The Board of Research Studies (BRS) of the University is the highest body to look into the matter of URP Cell. This section takes care of all official matters related to the Ph.D., D.Sc., D.Litt. and LL.D. programmes running at Aliah University. It acts as a bridge between the students, faculties, external experts 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. This cell also assists in PhD admission process every year by following the Aliah University Ph.D. Regulations-2017, based on UGC Ph.D. & M.Phil. Regulations-2016, for the Degree of Doctor of Philosophy (Ph.D.), Doctor of Litt. (D.Litt.), Doctor of Sc. (D.Sc.) and Doctor of Law (LL.D.). The URP cell regularly guides the Ph.D. students through the different stages of the Ph.D. programme, like course work, submission of half-yearly progress report, Ph.D. 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) of the concerned department. Continuous discussions/meetings on various matters related to the improvement of the quality of research work related to Ph.D. are carried out with the BRS committee. Moreover, the URP cell is always active to help/guide the students to participate 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 academic session 2020-2021, a total number of twenty one (21) departments offered Ph.D. 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 Ph.D. Regulation-2016 / Aliah University Ph.D. Regulations-2017, the PhD Admission Committee along with URP Cell has conducted the Aliah University Research Eligibility Test (AURET) and direct interviews of AURET-exempted candidates having NET/SET/GATE/MPhil for the admission of Ph.D. students. The Ph.D. students are selected for admission through discussion-based interview cum viva-voce examination. At the same time, Aliah University has awarded Ph.D. degrees to terminal students those successfully published research papers in UGC approved journals, presented research papers in seminars/conferences and successfully defended the thesis in open seminar cum viva-voce exam. The summary of the status of admission and award of Ph.D. students in academic session 2020-2021 is given below.

Total number of applicants for Ph.D. admission in academic session 2020-2021: 898

Total number of applicants admitted in Ph.D. Programme in academic session 2020-2021: 73

**Total number of Ph.D. degrees awarded in academic session 2020-2021 : 10**

Sl. No.	Department	Name of the Research Scholar	Name of the Supervisor	Date of PhD Awarded
1	Bengali	Selina Yeasmin	Dr. Mir Rejaul Karim	28-09-2020
2	Mathematics	Ruhul Amin	Dr. Sk. Md. Abu Nayeem	30-09-2020
3	Mathematics	Sarifa Khatun	Dr. Sk. Md. Abu Nayeem and Dr. Jayasri Sircar	30-09-2020
4	Mathematics	Hafizul Molla	Dr. Sahabuddin Sarwardi	30-09-2020
5	Chemistry	Sk. Safikul Islam	Dr. Nasima Yasmin and Dr. Sk. Manirul Islam	13-10-2020
6	History	Md Abu Nasim	Dr. Safoora Razeq	15-12-2020
7	Physics	Rabiul Islam	Dr. Md. Mehedi Kalam	22-12-2020
8	Chemistry	Basudeb Dutta	Dr. Md. Hedayetullah Mir	04-02-2021
9	Chemistry	Akhtaruzzaman	Dr. Md. Hedayetullah Mir and Dr. Seikh Mafiz Alam	19-03-2021
10	Geography	Biplab Sarkar	Dr. Aznarul Islam	08-04-2021

**Patents by the Faculty Members**

Sl. No.	Name of the Patentee	Department	Patent No.	Patent Awarding Agency
1	Saiyed Umer	CSE	2021106572	Patent Office, Govt. of Australia
2	Saiyed Umer	CSE	202111035066	Patent Office, Govt. of India

## Research Funding Received by the Institution and Its Faculties

Sl. No.	Department	Name of the Faculty Member	Title of the Research Project	Funding Agency	Amount
1	Chemistry	Dr. Md. Hedayetullah Mir	Photoresponsive Metal-Organic Frameworks (MOFs) for the Fabrication of Smart Photoactuating Materials	Collaborative Research Scheme (CRS) project	1.35 Lakhs
2	Mathematics and Statistics	Dr. Sahabuddin Sarwardi	Deanship of Scientific Research	Kasim University	76,600 Riyal
3	Management and Business Administration	Dr. Arup Kumar Baksi	Perspectives on Rural Tourism – Sustainability Issues and Ethno-Cultural Preservation	A. K. Dasgupta Centre for Planning and Development, Visva Bharati (NITI Aayog, Govt. of India)	1.5 Lakhs
4	Geography	Dr. Nasrin Banu	Minor Research Project on A pragmatic assessment of health care facilities and health well-being in North 24 Paraganas- A case from Indo-Bangladesh Border by ICSSR	ICSSR, New Delhi	2.70 Lakhs
5	Geography	Dr. Md. Hasan Ali	Child labour and their psycho-economic conditions in the Brick Kiln industries: A study of Murshidabad District, West Bengal	ICSSR, New Delhi	3 Lakhs



**National/International Fellowship/Financial Support from Various Agencies**

Sl. No.	Name of the Department	Name of the Faculty Member	Name of the Fellowship	Amount
1	Chemistry	Dr. Md. Hedayetullah Mir	Collaborative Research Scheme (CRS) project	1.35 Lakhs
2	CSE	Dr. Sumanta Ray	Project "Creation and implementation of programming frameworks that support the analysis of the genetic diversity of diseases."	10,200 Euro

## Awards

Sl. No.	Name of the Awardee	Department	Name of the Award	Awarding Agency
1.	Dr. Md. Maidul Islam	Chemistry	Excellent Service Award	Vdgood Professional Association
2.	Dr. Quazi Mohammad Alfred	Electronics and Communication Engineering	Research	Marquis, USA
3.	Sultan Parveen	Maths and Stats	Research Excellence Award 2020	Institute of Scholars
4.	Usha Mailick	Nursing	Awarded for Young Researcher	UIJIR Academic and Research Foundation
5.	Prof. Md. Mehedi Kalam	Physics	Individual Membership	International Astronomical Union(IAU), Paris, France

## 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 campus located at Newtown, Park Circus and Taltala. The Newtown Library deals with Engineering & 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 programs of the university. Broad objectives of the university which are to support by its library group as follows, Conservation of knowledge and ideas; teaching; Research; Publication (which enrich our collections by means of exchange); Extension services etc.

### 3. Staff Members:

Current library staffing consists of 7 members; 03 Assistant Librarians, 04 Library Trainees, 01 Office Assistant and 01 Jr. Peon.

Sl. No.	Name	Designation	Academic Qualification
1	Asif Iqbal	Assistant Librarian	B.A., MLISc., UGC NET
2	Nihal Alam	Assistant Librarian	B.Sc., Masters in LIS, UGC NET
3	Salahudheen. E	Assistant Librarian	MLISc, Ph.D., UGC NET
4	Abdul Malek	Jr. Peon	M.A
5	Md. Mozaffar Rahaman Sardar	Library Trainee	M.A, MLISc. B.Ed.,
6	Nasima Halim	Office Assistant	B.A, MLISc.
7	Sabir Khan	Library Trainee	M.A, MLISc.
8	Sk. Mizanul Haque	Library Trainee	B.Sc., MLISc. UGC NET
9	Totan Maity	Library Trainee	M.Sc., B.Ed., 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 provides general collection on different disciplines textbooks, reference books, newspapers, government publication, special materials such as thesis, dissertation, non-book materials such as CDs.

- **Print Materials:** No procurement made due to Covid and budget constraints.
- **E-Resources :** No procurement made due to Covid and budget constraints.

## 5. Facilities :

- Issue, Return, Renewal, Library clearance
- Digital Library at Newtown Access
- Reference services
- Plagiarism Check of scholarly documents

## 6. Newspapers

New Town Library	
1	Anandabazar Patrika (Bengali)
2	Business Standard (English)
3	Kolom (Bengali)
4	Sanmarg (Hindi)
5	The Economic Times (English)
6	The Hindu (English)
7	The Indian Express (English)
8	The Times of India (English)

Park Circus Library	
1	The Times of India (English)
2	The Hindu (English)
3	Kolom Patrika (Bangla)
4	Anandabazar Patrika( Bangla)
5	The Akhbar-E-Mashriq (Urdu)
6	Indian Express (English)
7	The Telegraph (English)
8	Pratidin (Bangla)
9	Ei-Samay (Bangla)
10	Economics Times
11	Sanmarg (Hindi)
12	Statesman (English)

## 7. List of events conducted by NDLI Club, Aliah University

Sl. No.	Event name	Date	Venue/ Mode	No. Of Participants
1.	Awareness Program on "National Digital Library of India (NDLI) and NDLI Club"	13.11.2021	Online	114

## 8. Any Other Special (Mention) :

- Plagiarism Detection Software (PDS) check using Ouriginal: Total Nos of documents: **275**
- Library Check out and check out

Name of Library	Check out (Issued)	Check In (Returned)	Renewal
1. New Town Library	23	311	21
2. Park Circus Library	111	516	47
3. Taltala Library	Not available as library was closed for renovation		

## Training and Placement Cell

### Summary of the Placement Activities conducted by the Training and Placement cell (T&P Cell)

July 2020 to June 2021

- Total No. of On Campus Drive : 34
- Total No. of Pooled/Off Campus Drive : 31
- Total No. of Offers : 32 (Including multiple placement offers)
- Total Cost incurred in Training and Placement : 0 (All the campus placements conducted through online mode due to COVID-19 pandemics.)

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

Sl. No.	Name of the Company	Date	Eligible Streams	Campus Type
1	TCS	24-10-2020 to 26-10-2020	B.Tech. (All)	Off Campus
2	Berger Paints	09-11-2020	MBA (Sales & Marketing) Bike License	Off Campus
3	Hitachi Vantara	28-11-2020 & 29-22-2020	B.Tech. (CSE/IT)	Pooled Campus-AOT
4	ANZA Services LLP	30-11-2020	B.Tech.(Civil), 2020 &2021	Virtual Off Campus
5	Lumino Industries Limited	07-01-2021	B.Tech. (CE, ME) - 2020	Virtual On Campus
6	XL Dynamics India Pvt	11-01-2021	B.Tech., MBA, Post Graduate [2020, 2019, 2018]	Virtual On Campus
7	M/s. BMW Industries Limited	12-01-2021	B.Tech. (CE, ME, EE)	Pooled-BBIT
8	Wipro	18-01-2021 to 23-01-2021	B.Tech., M.Tech.	Off Campus
9	Cognizant	16-02-2021	B.Tech. (CSE, ECE, EE)	Off campus
10	M/s. Maventic Innovative Solutions Private Limited	03-03-2021	B.Tech. (CSE, MCA, BCA, M.Tech.)	Virtual On Campus
11	B4B Technologies Pvt. Ltd.	07-03-2021	B.Tech. CSE	Virtual On campus

Sl. No.	Name of the Company	Date	Eligible Streams	Campus Type
12	K12 Techno Services Pvt. Ltd..	15-03-2021	All Graduate-2020	Virtual On Campus
13	Nihilent Limited	16-03-2021	M Stat	Virtual On Campus
14	T-Web Exponent	23-03-2021	B.Tech.(CSE), MCA	Virtual On Campus
15	Capgemini	27-03-2021	B.Tech., MCA	Off Campus
16	PlanetSpark	21-04-2021	All UG and PG	Virtual On Campus
17	Orchid The International School	22-04-2021	ALL UG, PG/75	Virtual On Campus
18	Valued Epistemics	24-04-2021	All UG	Virtual On Campus
19	Wocially	28-04-2021	—	Virtual On Campus
20	Apiserolnc	29-04-2021	—	Virtual off
21	Amazon	03-05-2021	All Graduates	Virtual off
22	Indusind Bank	06-05-2021	MBA	Virtual On Campus
23	Asian Paints Limited as an Off-roll Associate	12-05-2021	MBA	Virtual On Campus
24	M/s. Ceasefire Industries Pvt. Ltd..	20-05-2021	MBA	Off Campus
25	M/s. CloudKaptan Consultancy Services Pvt. Ltd..	28-05-2021	B.Tech., MCA	Pooled Campus
26	K12 Techno Services Pvt. Ltd..	29-05-2021	UG/PG	Virtual On Campus
27	CVENT	31-05-2021	B.Tech./MBA, UG/PG	Virtual On Campus
28	TCS	06-06-2021	B.Tech.	Virtual off
29	K12 Techno Services Pvt. Ltd..	15-06-2021	MBA	Virtual On Campus
30	Byjus	17-06-2021	UG/PG	Virtual On Campus

**Faculty-wise Batch-wise Status of Students Placed/Selected**

● **Faculty of Engineering and Management :**

**A. B.Tech.-CSE**

Sl. No.	Name of the Student	Company	Salary offered
1	Md. Sohail Ahmed	Maventic Innovative Solutions Pvt. Ltd.	Rs. 350,000 Per Annum
2	Altamash Tanveer	Cognizant	4,00,000 Per Annum
3	Md. Sohail Ahmed	M/s. CloudKaptan Consultancy Services Pvt. Ltd.	4 Lacs Per Annum
4	Hamida Khatoon	K12 Techno Services Pvt. Ltd.	2.5 - 4 LPA
5	Nasira Khatun	Infosys	30,000 per month + Other Benefits
6	Mojaffar Ansari	Infosys	30,000 per month + Other Benefits
7	Hamida Khatoon	Orchids International School	16k -18k per month
8	Samadur Khan	Tech Mahindra	3.25 LPA
9	Samadur Khan	Amdocs	4.0 LPA
10	Nahin Banu	Tech Mahindra	3.25 LPA
11	Sayeed Anawar	Wipro Limited	3,50,004/- Per Annum
12	Ashik Mamnun	Wipro Limited	3,50,004/- Per Annum
13	Sayeed Anawar	Accenture	4.5 lpa
14	Ashik Mamnun	Accenture	4.5 lpa
15	Nasira Khatun	CTS	401988/- Per Annum
16	Samim Mondal	Tata Consultancy Services	3,36,877/- Per Annum
17	Md. Parwez	Nihilent.	3 to 4 LPA
18	Hamida Khatoon	TCS	3,36,877/- Per Annum
19	Ajaz Ahmad	Wipro	3,50,004/- Per Annum
20	Ramprasad Mandal	Wipro	3,50,004/- Per Annum
21	Sagufta Parveen	Aiinhom Technologies Pvt. Ltd.	10K
22	Sumon Faruki	Aiinhom Technologies Pvt. Ltd.	10K
23	Sk. Mahammad Mubbsir	Aiinhom Technologies Pvt. Ltd.	10k



**B. B.Tech.-ECE**

Sl. No.	Name of the Student	Company	Salary offered
1	Saima Najib	Cognizant	4,00,000 Per Annum
2	SkIbrar Ahmed	Tata Consultancy Services	3,36,877/- Per Annum
3	Saima Najib	Planet Spark	6.5 LPA- 7.6 LPA
4	Sk Ibrar Ahmed	Planet Spark	6.5 LPA- 7.6 LPA

**C. B.Tech.-EEN**

Sl. No.	Name of the Student	Company	Salary offered
1	Soumyajit Sarkar	Tata Consultancy Services	3,36,877/- Per Annum
2	Soumyajit Sarkar	M/s. BMW Industries Limited	Stipend: Rs.10,000/- per month
3	Zarif Murshed	Cognizant	4,00,000 Per Annum
4	Inan Chowdhury	Planet Spark	6.5 LPA- 7.6 LPA
5	Soumyajit Sarkar	Cognizant	401,988/- Per Annum
6	Inan Chowdhury	Cognizant	401,988/- Per Annum
7	Soumyajit Sarkar	Wipro Limited	3,50,004/- Per Annum
8	Inan Chowdhury	Wipro Limited	3,50,004/- Per Annum
9	Inan Chowdhury	BYJU'S	6,00,000/- PA CTC
10	Soumyajit Sarkar	TCS Digital (TCS Digital) Unit	7,00,022/- Per Annum
11	Md. Saddam Mondal	SKLR EDTEC Pvt. Ltd.	8 LPA
12	Md. Nizamuddin	Planet Spark	6.5 LPA- 7.6 LPA

**D. B.Tech.-MEN**

Sl. No.	Name of the Student	Company	Salary offered
1	Saqlain Shirazi	Tata Consultancy Services	3,36,877/- Per Annum
2	Rohan Ganguly	Planet Spark	6.5 LPA- 7.6 LPA
3	Altaf Raja Warshi	Congruex Asia Pacific LLP	3,35,000/- Per Annum
4	Masum Chowdhury	SKLR EDTEC Pvt. Ltd.	8LPA
5	Sekh Abdul Kader	SKLR EDTEC Pvt. Ltd.	8LPA

Sl. No.	Name of the Student	Company	Salary offered
6	Himanshu Sharma	SKLR EDTEC Pvt. Ltd.	8 LPA
7	Wasiq Nawaz	TCS	3,36,877/- Per Annum
8	Sultan Ahmed Ansari	BYJU'S (Think & Learn Private Limited)	10 LPA
9	Hamnshu Sharma	Toppr	20k

#### E. B.Tech.-CEN

Sl. No.	Name of the Student	Company	Salary offered
1	Parwez Alam	Lumino Industries Limited	During Training period 12,500/- will be paid for GET
2	Paltan Saha	Lumino Industries Limited	During Training period 12,500/- will be paid for GET
3	Debabrata Banerjee	RDC Concrete	Rs. 22000/- per month
4	Debabrata Banerjee	M/s. BMW Industries Limited	Stipend: Rs.10,000/- per month

#### F. MBA

Sl. No.	Name of the Student	Company	Salary offered
1	Alija Nargis	Imbue Natural	Rs.2,50,000/- Per Annum
2	Sk Soifuddin	Kotak Mahindra Life	3,50,000 (Fixed pay) + Performance Bonus + Medi- claim + Life Insurance cover + Accidental Death Benefits
3	Zafar Iqubal	Planet Spark	6.5 LPA- 7.6 LPA
4	Fazal Elahi	M/s. Ceasefire Industries Pvt. Ltd.	4.14 LPA
5	Md. Saquib Tanweer	M/s. Ceasefire Industries Pvt. Ltd.	4.14 LPA
6	Taslim Ansari	Asian Paints Limited as an Off-roll Associate	2.17 LPA Approx + TA + Incentives
7	Aamish Hashmi	Asian Paints Limited as an Off-roll Associate	2.17 LPA Approx + TA + Incentives
8	Md. Mahasin Sk	Asian Paints Limited as an Off-roll Associate	2.17 LPA Approx + TA + Incentives

Sl. No.	Name of the Student	Company	Salary offered
9	Sk Arif Ali	K12 Techno Services Pvt. Ltd.	4 LPA
10	Aamish Hashmi	K12 Techno Services Pvt. Ltd.	4 LPA
11	Sd Firoj Khandakar	K12 Techno Services Pvt. Ltd.	2.5 - 4 LPA
12	Fazalelahi	SKLR EDTEC Pvt. Ltd.	8 LPA
13	Md. Mahasin Sk	SKLR EDTEC Pvt. Ltd.	8 LPA

● **Faculty of Science**

Sl. No.	Name of the Student	Company	Salary offered
1	Amina Khatun (Mathematics and Statistics)	Orchids International School	16k -18k
2	Asma Begum BSC (Microbiology)	Orchids International School	16k -18k
3	Tanuja Aktar BSC (Zoology)	Orchids International School	16k -18k
4	Sabnam Parvin MSC (Chemistry)	Orchids International School	16k -18k
5	Amina Khatun (Mathematics and Statistics)	Orchids International School	16k -18k
6	Asma Begum BSC (Microbiology)	Orchids International School	16k -18k
7	Tanuja Aktar BSC (Zoology)	Orchids International School	16k -18k
8	Sabnam Parvin MSC (Chemistry)	Orchids International School	16k -18k

● **Faculty of Humanities & Languages**

Sl. No.	Name of the Student	Company	Salary offered
1	Nuzhat Hashim (English)	Orchids International School	2,91,600/- Per annum
2	Shahanaj Parvin (English)	Orchids International School	25k- 28k
3	Rukhsar Nasim	Orchids International School	25k- 28k

### Future Road Map

The T&P Cell faces the biggest challenge of popularizing the name of Aliah University among the corporate. This can be done only if the organizations are able 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 representatives for interaction and technology updates
- Industry visit by students
- Job Fair

Moreover, the finishing school concept has been incorporated from the 1<sup>st</sup> Semester. With this objective, The T&P Cell has extended its training programmes right from 1<sup>st</sup> Semester to catch them young.

The T&P Cell also proposes to increase placement of other non-professional courses like Science & Humanities. It proposes to continue with these activities in future too.

## National Service Scheme

### Introduction

National Service Scheme popularly known as NSS, a scheme launched in the Mahatma Gandhi Centenary year, 1969, aims at developing students' personality through community service. The overall objective of the National Service Scheme 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 develops in the students a sense of responsibility, tolerance and cooperation. The NSS plays a vital role in the development of the latent aspects of a student's personality. National Service Scheme (NSS) is a permanent youth Programme under the Ministry of Youth Affairs and Sports, Government of India; and it is funded by the Government of West Bengal and the Government of India. Since 2012, the NSS unit has been functioning with full vigour and enthusiasm in Aliah University.

### 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 the 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 and
- Practice national integration and social harmony

### Motto

The motto or watchword of the NSS is **"Not me, but you"**. It underscores that the welfare of an individual, ultimately, depends on the welfare of the society. This expresses the essence of an altruistic living and upholds the need of selfless service, appreciation and inculcation of fellowfeeling, and respect for the greater good of the community, where an NSS volunteer places the 'community' before 'self'.

### 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 beneficiaries. 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 Alom, Assistant Professor, Department of Arabic.

### Activities of NSS in 2020-21

The NSS unit of the university engaged in various social activities through different programmes under Regular Activity. The following are the brief activities undertaken by the NSS Unit of this university during the 2020-2021 calendar:

#### International Yoga Day (21st June, 2020)

- Aliah University and its NSS Cell observes INTERNATIONAL YOGA DAY on 21st 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 homes individually. We know that yoga is a very good practice to keep us physically fit, mentally healthy, spiritually awakened and to keep ailments at bay. Many teachers, students, volunteers, and non-teaching staff participated in the occasion.

#### Distribution of Food Kits during Covid-19 Cum Special Camp

- The NSS (National Service Scheme) team and students of Aliah University, Kolkata distributed around 400 food kits among needy and poor families in the selected areas (mainly rural areas) of the following districts 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 kit 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 and donation which was collected by our NSS Volunteers and contributed by NSS Programme Coordinators and NSS Programme Officers of Aliah University.

They distributed the kits at the door steps of the poor and needy families keeping in mind the precautionary social distancing .

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

**Officers of the University**

Sl. No.	Name	Designation
1	Prof. Mahammad Ali	Vice-Chancellor
2	Dr. Syed Nurus Salam	Registrar
3	Dr. Sk Faruque Ahmed	Controller of Examinations
4	Pulak Kumar Mandal	Finance Officer (on Deputation)
5	Dr. Sk. Ashfaque Ali	Deputy Registrar
6	Dr. Akhtaruzzaman	Assistant Controller of Exams
7	Md. Jakir Hossain Molla	Training & Placement Officer
8	Asif Iqbal	Assistant Librarian
9	Nihal Alam	Assistant Librarian
10	Dr. Salahudheen.E	Assistant Librarian

**Permanent Non-Teaching Staff of the University**

Sl. No.	Name	Designation
1	Sk. Hafizur Rahman	Personal Assistant
2	Nahida Akhtar Islam	Personal Assistant
3	Dr. 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

Sl. No.	Name	Designation
16	Moloy Krishna Dan	Senior Assistant
17	Subhronil Ganguly	Senior Assistant
18	Sohail Ahmed	Senior Assistant
19	Syed Nurul Hasan	Junior Assistant
20	Anindita Bhaduri (Meerza)	Junior Assistant
21	Sayeka Begum	Junior Assistant
22	Mirza Md. Aminur Rahaman	Junior Assistant
23	Lichia Khatun	Junior Assistant
24	Nowajes Islam	Junior Assistant
25	Basiruddin Sk.	Junior Assistant
26	Md. Sahanawaz Ahmed Gazi	Junior Assistant
27	Md. Iftekhar Ahmmed	Junior Store Keeper
28	Md. Monirul Islam	Junior Peon
29	Habib Molla	Junior Peon
30	Md. Safior Hossain	Junior Peon
31	Tanmoy Sarkar	Junior Peon
32	Md. Rayees	Junior Peon
33	Mehedi Hassan	Technical Assistant
34	Hanif Ahammad Halder	Technical Assistant
35	Manarul Anowar	Technical Assistant
36	Dr. Hashibul Alam	Technical Assistant
37	Asif Iqbal	Technical Assistant
38	Wasim Ikbal Tarafder	Technical Assistant
39	Sk. Hussain Ahammed	Technical Assistant
40	Najmul Islam	Technical Assistant
41	Sonali Paul	Technical Assistant
42	Md. Muktada Hossain	Technical Assistant
43	Md. Rafikul Alam Mondal	Technical Assistant
44	Reshmi Paul	Technical Assistant



Sl. No.	Name	Designation
45	Anwar Sadat Ali	Technical Assistant
46	Sukamal Manna	Technical Assistant
47	Sahanaj Sultana	Technical Assistant
48	Sourish Roy	Technical Assistant
49	Limuja Rashid	Technical Assistant
50	Rohisuddin Saikh	Technical Assistant
51	Md. Aminul Islam	Technical Assistant
52	Sahid Ahmed Siddique	Technical Assistant
53	Ramiz Hasan	Technical Assistant
54	Moidul Islam	Technical Assistant
55	Munshi Samsul Enaul	Cashier
56	Kazi Md. Kader Nawaz	Office Attendant/Jr.Peon/Gr.-D
57	Rojina Banu	Office Attendant/Jr.Peon/Gr.-D
58	Firoj Ahmed Ansari	Office Attendant/Jr.Peon/Gr.-D
59	Abdul Malek	Office Attendant/Jr.Peon/Gr.-D
60	Sk Abul Hassan	Office Attendant/Jr.Peon/Gr.-D
61	Sebgatulla Bayen	Office Attendant/Jr.Peon/Gr.-D
62	Syed Abu Bakkar	Record Keeper
63	Nikunja Behari Pradhan	Plumber
64	Sekh Hedayat	Gardener
65	Md. Salauddin Mondal	Ground Supervisor
66	Dr. Sk. Sabir Ali	Physical Training Instructor
67	Sunnatul Islam	Pharmacist

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## DEPARTMENTAL REPORTS

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## Basic Science

- Biological Sciences
- Chemistry
- Mathematics and Statistics
- Physics



## Department of Biological Sciences

### 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.

Head of the Department : Masrur Alam

### 3. Academic Programmes Offered :

3-Year BSc Honours in **Botany**

3-Year BSc Honours in **Microbiology**

3-Year BSc Honours in **Zoology**

5-Year Integrated BSc-MSc in **Botany**

5-Year Integrated BSc-MSc in **Microbiology**

5-Year Integrated BSc-MSc in **Zoology**

2-Year MSc in **Botany**

2-Year MSc in **Microbiology**

2-Year MSc in **Zoology**

PhD

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

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
1	Bishwanath Chakraborty	Professor	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	Plant Taxonomy and Molecular Systematics

## 5. Major Areas of Research and Development :

- Nanobiotechnology and RDT
- Clinical Genomics
- Cancer Biology and Immunology
- Protein Chemistry
- Environmental microbiology
- Microbial ecology and physiology
- Microbial genomics and proteomics
- Molecular Genetics and Population genetics
- Biochemistry and Phytochemistry
- Bioinformatics
- Animal Diversity, Ecology and Toxicology
- Human physiology (Endocrinology, biochemistry and diseases)
- Applied Biochemistry
- Fish Physiology and Aquatic Biology
- Molecular Plant Taxonomy

## 6. Reputed Research Publications :

### i. International and National Journal

Sl. No.	Title of paper	Name of the author/s	Name of journal	ISSN number
1	Molecular mechanisms of action of resveratrol in modulation of diabetic and non-diabetic cardiomyopathy	Irshad Ahmad and Muddasarul Hoda	<i>Pharmacological Research</i>	1043-6618

Sl. No.	Title of paper	Name of the author/s	Name of journal	ISSN number
2	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 Muddasarul Hoda	<i>Journal of Parasitic Diseases</i>	0975-0703
3	Attenuation of diabetic retinopathy and neuropathy by resveratrol: Review on its molecular mechanisms of action	Irshad Ahmad and Muddasarul Hoda	<i>Life Sciences</i>	0024-3205
4	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., Hoda, M., Pajaniradje, S., Mukherjee, V., Coumar, S.M., and Rajagopalan, R.	<i>International Journal of Pharmaceutics</i>	0378-5173
5	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, Sumit Chatterjee, Prosenjit Pyne, Masrura Alam, Prabir Kumar Haldar, Rimi Roy, Svetlana Fernandes, Aditya Peketi, Ranadhir Chakraborty, Aninda Mazumdar, and Wriddhiman Ghosh	<i>FEMS microbiology letters</i>	ISSN 0378-1097, EISSN 1574-6968
6	Two pathways for thio-sulfate oxidation in the alphaproteobacterial	Moidu Jameela Rameez, Prosenjit Pyne, Subhrangshu Mandal,	<i>Microbiological Research</i>	0944-5013

Sl. No.	Title of paper	Name of the author/s	Name of journal	ISSN number
	chemolithotroph Paracoccus thiocyanatus SST	Sumit Chatterjee, Masrur Alam, Sabyasachi Bhattacharya, Nibendu Mondal, Jagannath Sarkar, and Wriddhiman Ghosh		
7	Nanoparticle mediated cancer immunotherapy	Jyoti Gupta, Haris A. Safdari, and Mehboob Hoque	<i>Seminars in Cancer Biology</i>	1044-579X
8	Induced immunity developed in plants against phytopathogens using bioinoculants	Bishwanath Chakraborty	<i>Journal of Mycology and Plant Pathology</i>	Print ISSN 0971-9393 Online ISSN 0975-4180
9	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, and Bishwanath Chakraborty	<i>Environmental and Experimental Botany</i>	Print ISSN 00988472 Online ISSN 00988472
10	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 and Bishwanath Chakraborty	<i>Journal of the Botanical Society of Bengal</i>	0971-2976
11	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, and Bishwanath Chakraborty	<i>Journal of the Botanical Society of Bengal</i>	0971-2976
12	Leaf Extracts Silver Nanoparticles of Four Medicinally Important Plants: Used as a Green Manure	Sk. Md. Abu Imam Saadi and Amal Kumar Mondal	<i>European Journal of Medicinal Plants</i>	2231-0894

Sl. No.	Title of paper	Name of the author/s	Name of journal	ISSN number
13	Potential alternatives to Conventional Cancer Therapeutic approaches: The way forward	Muddasarul Hoda	<i>Current Pharmaceutical Biotechnology</i>	1873-4316
14	Elucidation of plasma protein binding, blood partitioning, permeability, CYP phenotyping and CYP inhibition studies of Withanone using validated UPLC method: An active constituent of neuroprotective herb Ashwagandha	S.K. Singh, G.R. Valicherla, A.K. Bikkasani, S.H. Cheruvu, Z. Hossain, I. Taneja, H. Ahmad, K.S.R. Raju, N.S. Sangwan, S.K. Singh, A.K. Dwivedi, M. Wahajuddin, and J. R. Gayen	<i>Journal of Ethnopharmacology</i>	0378-8741
15	34S enrichment as a signature of thiosulfate oxidation in the "Proteobacteria"	Masrura Alam, Svetlana Fernandes, Subhrangshu Mandal, Moidu Jameela Rameez, Sabyasachi Bhattacharya, Aditya Peketi, Aninda Mazumdar*, and Wriddhiman Ghosh	<i>FEMS microbiology letters</i>	ISSN 0378-1097, EISSN 1574-6968
16	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, and Mehboob Hoque	<i>Pharmacological Research</i>	1043-6618
17	Implications of genome simple sequence repeats signature in 98 Polyomaviridae species.	Rezwanuzzaman Laskar, Md Gulam Jilani, and Safdar Ali	<i>3 Biotech</i>	2190-5738
18	Phylo-geo-network and haplogroup analysis of 611 novel coronavirus (SARS-CoV-2) genomes from India	Rezwanuzzaman Laskar and Safdar Ali	<i>Life Science Alliance</i>	2575-1077



Sl. No.	Title of paper	Name of the author/s	Name of journal	ISSN number
19	Mutational analysis and assessment of its impact on proteins of SARS-CoV-2 genomes from India.	Rezwanuzzaman Laskar and Safdar Ali	<i>Gene</i>	0378-1119
20	Differential mutation profile of SARS-CoV-2 proteins across deceased and asymptomatic patients	Rezwanuzzaman Laskar and Safdar Ali	<i>Chemico Biological Interactions</i>	0009-2797
21	Natural medicinal plant products as an immune-boosters: A possible role to lessen the impact of Covid-19	Sk. Saruk Islam, Sujoy Midya, Sanjit Sinha, and Sk. Md. Abu Imam Saadi	<i>Case Studies in Chemical and Environmental Engineering</i>	2666-0164
22	Oncotherapeutic Application of Resveratrol-based Inorganic Nanoparticles	Angela Perris, Sanchari Bhattacharya, Junaid Jibran Jawed, and Muddasarul Hoda	<i>Pharmaceutical Nanotechnology</i>	2211-7393

ii. **Book, Book Chapter, etc.**

Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Name of the publisher
1	Masrura Alam		Microbes in Extreme Environments	2020	978-1-53617-945-3	Nova Science Publisher, USA
2	Mehboob Hoque		Chapter 8 : Non-Flavonoids Targeting Cancer Stem Cells: A Promising Therapeutic Avenue for Cancer Treatment	2021	978-981-16-4935-6	Springer Nature

### iii. E-Content

Sl. No.	Name of the author/s	Title of Content	Year	Link/Details
1	Md. Zakir Hossain	BZ304_UNIT I_P. DIGESTION AND ABSORPTION	2021	<a href="https://aliah.ac.in/upload/media/08-04-20 1586312986.pdf">https://aliah.ac.in/upload/media/08-04-20 1586312986.pdf</a>
2	Md. Zakir Hossain	BZ306_UNIT IV_CHROMO-SOMAL ABERRATION	2021	<a href="https://aliah.ac.in/upload/media/08-04-20 1586313027.pdf">https://aliah.ac.in/upload/media/08-04-20 1586313027.pdf</a>
3	Md. Zakir Hossain	BZ306_UNIT IV_TRANSPOS-ABLE ELEMENTS	2021	<a href="https://aliah.ac.in/upload/media/08-04-20 1586313073.pdf">https://aliah.ac.in/upload/media/08-04-20 1586313073.pdf</a>
4	Md. Zakir Hossain	BZ402_UNIT II_CARBOHY-DRATE METABOLISM	2021	<a href="https://aliah.ac.in/upload/media/08-04-20 1586313111.pdf">https://aliah.ac.in/upload/media/08-04-20 1586313111.pdf</a>
5	Md. Zakir Hossain	BZ402_UNIT III_LIPID METABOLISM	2021	<a href="https://aliah.ac.in/upload/media/08-04-20 1586313150.pdf">https://aliah.ac.in/upload/media/08-04-20 1586313150.pdf</a>
6	Masrur Alam	BM402_Ammonia assimilation & Anammox	2021	<a href="https://aliah.ac.in/upload/media/10-04-20 1586462371.pdf">https://aliah.ac.in/upload/media/10-04-20 1586462371.pdf</a>
7	Masrur Alam	BM302_Luminescent Bacteria	2021	<a href="https://aliah.ac.in/upload/media/04-04-20 1586024572.pdf">https://aliah.ac.in/upload/media/04-04-20 1586024572.pdf</a>
8	Masrur Alam	BM302_Solid-waste management	2021	<a href="https://aliah.ac.in/upload/media/05-04-20 1586025073.pdf">https://aliah.ac.in/upload/media/05-04-20 1586025073.pdf</a>
9	Masrur Alam	BSMUGCC03_Cultivation of anaerobic microorganisms	2021	<a href="https://aliah.ac.in/upload/media/04-04-20 1586023183.pdf">https://aliah.ac.in/upload/media/04-04-20 1586023183.pdf</a>
10	Masrur Alam	BSMUGCC03_Size, shape and arrangement of prokaryotes	2021	<a href="https://aliah.ac.in/upload/media/04-04-20 1586023454.pdf">https://aliah.ac.in/upload/media/04-04-20 1586023454.pdf</a>
11	Masrur Alam	BSMUGCC03_Bacterial flagella	2021	<a href="https://aliah.ac.in/upload/media/04-04-20 1586023746.pdf">https://aliah.ac.in/upload/media/04-04-20 1586023746.pdf</a>
12	Sk. Md. Abu Imam Saadi	BSZUGCC03_PRINCIPLES OF ECOLOGY	2021	<a href="https://aliah.ac.in/upload/media/06-04-20 1586141387.pdf">https://aliah.ac.in/upload/media/06-04-20 1586141387.pdf</a>
13	Sk. Md. Abu Imam Saadi	BM404_MICROBIAL GENETICS	2021	<a href="https://aliah.ac.in/upload/media/06-04-20 1586141289.pdf">https://aliah.ac.in/upload/media/06-04-20 1586141289.pdf</a>
14	Sk. Md. Abu Imam Saadi	BSBUGCC03_MORPHOLOGY AND ANATOMY	2021	<a href="https://aliah.ac.in/upload/media/06-04-20 1586141211.pdf">https://aliah.ac.in/upload/media/06-04-20 1586141211.pdf</a>
15	Mehboob Hoque	BZ 302: Biotechnology : Artificial Chromosomes	2021	<a href="https://aliah.ac.in/upload/media/07-04-20 1586268574.pdf">https://aliah.ac.in/upload/media/07-04-20 1586268574.pdf</a>
16	Mehboob Hoque	BM 306 Food and Dairy Microbiology : Foodborne Diseases	2021	<a href="https://aliah.ac.in/upload/media/07-04-20 1586268523.pdf">https://aliah.ac.in/upload/media/07-04-20 1586268523.pdf</a>
17	Mehboob Hoque	BB/BM/BZ 406 Biophysics and Bioethics : Spectroscopy	2021	<a href="https://aliah.ac.in/upload/media/07-04-20 1586268478.pdf">https://aliah.ac.in/upload/media/07-04-20 1586268478.pdf</a>

Sl. No.	Name of the author/s	Title of Content	Year	Link/Details
18	Mehboob Hoque	BB/BM/BZ 406 Biophysics and Bioethics : Spectroscopy	2021	<a href="https://aliah.ac.in/upload/media/07-04-20 1586268428.pdf">https://aliah.ac.in/upload/media/07-04-20 1586268428.pdf</a>
19	Mehboob Hoque	BB/BM/BZ 406 Biophysics and Bioethics : Spectroscopy	2021	<a href="https://aliah.ac.in/upload/media/07-04-20 1586268396.pdf">https://aliah.ac.in/upload/media/07-04-20 1586268396.pdf</a>
20	Sk. Kabita	SK_2/8_BZ404 INTEGUMENTARY SYSTEM VERTEBRATES	2021	<a href="https://aliah.ac.in/upload/media/07-04-20 1586256852.pdf">https://aliah.ac.in/upload/media/07-04-20 1586256852.pdf</a>
21	Sk. Kabita	SK_2/8_BZ404 VERTEBRATE DERMIS & INTEGUMENTARY SKELETON	2021	<a href="https://aliah.ac.in/upload/media/07-04-20 1586256953.pdf">https://aliah.ac.in/upload/media/07-04-20 1586256953.pdf</a>
22	Sk. Kabita	SK_BZ232_INDIGENOUS POULTRY BREEDS INDIA	2021	<a href="https://aliah.ac.in/upload/media/07-04-20 1586256727.pdf">https://aliah.ac.in/upload/media/07-04-20 1586256727.pdf</a>
23	Sk. Kabita	SK_2_BSZUGCCO4_ECHINODERMATA	2021	<a href="https://aliah.ac.in/upload/media/07-04-20 1586257007.pdf">https://aliah.ac.in/upload/media/07-04-20 1586257007.pdf</a>
24	Sk. Kabita	SK_2_BSZUGCCO4_PHYLOGENOMIC ANALYSES ECHINODERMATA	2021	<a href="https://aliah.ac.in/upload/media/07-04-20 1586257082.PDF">https://aliah.ac.in/upload/media/07-04-20 1586257082.PDF</a>
25	Sk. Kabita	SK_4_BZ232_DEEP LITTER SYS	2021	<a href="https://aliah.ac.in/upload/media/07-04-20 1586257118.docx">https://aliah.ac.in/upload/media/07-04-20 1586257118.docx</a>
26	Safdar Ali	SA_BB BZ BM 408_Test Results 30 04 2020	2020	<a href="https://aliah.ac.in/upload/media/01-05-20 1588314508.pdf">https://aliah.ac.in/upload/media/01-05-20 1588314508.pdf</a>
27	Safdar Ali	SA_Test Instructions 30 04 2020	2020	<a href="https://aliah.ac.in/upload/media/29-04-20 1588179902.pdf">https://aliah.ac.in/upload/media/29-04-20 1588179902.pdf</a>
28	Safdar Ali	SA_BB/BZ/BM/408_Biological Database	2021	<a href="https://aliah.ac.in/upload/media/04-04-20 1585973653.pdf">https://aliah.ac.in/upload/media/04-04-20 1585973653.pdf</a>
29	Safdar Ali	SA_BB/BZ/BM/408_Sequence Alignment I	2021	<a href="https://aliah.ac.in/upload/media/05-04-20 1586073173.pdf">https://aliah.ac.in/upload/media/05-04-20 1586073173.pdf</a>
30	Safdar Ali	SA_BB/BZ/BM/408_Sequence Alignment II	2021	<a href="https://aliah.ac.in/upload/media/05-04-20 1586082883.pdf">https://aliah.ac.in/upload/media/05-04-20 1586082883.pdf</a>
31	Safdar Ali	SA_BB/BZ/BM/408_Sequence Alignment III	2021	<a href="https://aliah.ac.in/upload/media/06-04-20 1586153679.pdf">https://aliah.ac.in/upload/media/06-04-20 1586153679.pdf</a>
32	Safdar Ali	SA_BB/BZ/BM/408_Phylogenetic Analysis	2021	<a href="https://aliah.ac.in/upload/media/06-04-20 1586155452.pdf">https://aliah.ac.in/upload/media/06-04-20 1586155452.pdf</a>
33	Safdar Ali	SA_BB/BZ/BM/408_Protein Structure Prediction	2021	<a href="https://aliah.ac.in/upload/media/06-04-20 1586156453.pdf">https://aliah.ac.in/upload/media/06-04-20 1586156453.pdf</a>
34	Muddasarul Hoda	HM_BB 402_BZ/BM 308_BB/BZ/BM 202	2021	<a href="https://aliah.ac.in/upload/media/04-04-20 1586015841.docx">https://aliah.ac.in/upload/media/04-04-20 1586015841.docx</a>

### 7. Paper Presentation/Invited Talk :

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Sk. Kabita	Correlation between plasma GtH (LH), E2 and Vg (Vg1 and Vg2) levels in Catfish	International	Department of Zoology, Delhi University, New Delhi	24 - 26 March, 2021

### 8. Students Qualifying in State/National/International Level Examinations

Name of the Qualifying Student	Year of Qualifying	Level of Exam	Name of Competetitive Examination
Md. Aminur Islam	2021	National	GATE

## 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.

Head of the Department : Md. Akhtarul Alam

### 3. Academic Programmes Offered :

3-year BSc

5-year MSc

PhD

### 4. Faculty Members :

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

### i. International and National Journal

Sl. No.	Title of paper	Name of the author/s	Name of journal	ISSN number
1	Electrically conductive 1D coordination polymers: design strategy and controlling factors	F. Ahmed, B. Dutta and M. H. Mir	<i>Dalton Transactions</i>	1477-9234
2	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 M. H. Mir	<i>Dalton Transactions</i>	1477-9234
3	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, S. M. Alam, M. M. Islam, and M. H. Mir	<i>Polyhedron</i>	0277-5387
4	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 M. H. Mir	<i>CrystEngComm</i>	1466-8033
5	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 M. H. Mir	<i>New Journal of Chemistry</i>	1369-9261

Sl. No.	Title of paper	Name of the author/s	Name of journal	ISSN number
6	Supramolecular assembly of a 4-(1-naphthylvinyl) pyridyl appended Zn(II) coordination compound for turn-on fluorescence sensing of trivalent metal ions ( $\text{Fe}^{3+}$ , $\text{Al}^{3+}$ , $\text{Cr}^{3+}$ ) and cell imaging application	B. Dutta, S. Dey, K. Pal, S. Bera, S. Naaz, K. Jana, C. Sinha, and M. H. Mir	<i>New Journal of Chemistry</i>	1369-9261
7	C–H $\cdots\pi$ (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, S. M. Alam, S. M. Wabaidur, and M. H. Mir	<i>Journal of Coordination Chemistry</i>	0095-8972
8	Impact of solid-state photochemical [2 + 2] cycloaddition in coordination polymers for diverse applications	S. Khan, B. Dutta, and M. H. Mir	<i>Dalton Transactions</i>	1477-9234
9	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 M. H. Mir	<i>New Journal of Chemistry</i>	1369-9261
10	Synthesis and characterization of a hydrogen bonded metal-organic cocrystal: exploration of its DNA binding study	S. Khan, Z. A. AlOthman, M. Mohammad, M. S. Islam, A. Slawin, S. M. Wabaidur, M. M. Islam, and M. H. Mir	<i>Polyhedron</i>	0277-5387
11	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 M. H. Mir	<i>Crystal Growth &amp; Design</i>	1528-7483

Sl. No.	Title of paper	Name of the author/s	Name of journal	ISSN number
12	Two acetylenedicarboxylato-bridged 4-styrylpyridine appended 1D coordination polymers: Synthesis, structural characterization and variable temperature magnetism	B. Dutta, Akhtaruzzaman, H. Sato, T. Akitsu, A. Slawin, C. Sinha, and M. H. Mir	<i>Journal of Chemical Science</i>	2041-6520
13	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, S. M. Alam, M. M. Islam, and M. H. Mir	<i>Polyhedron</i>	0277-5387
14	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, S. M. Alam, M. M. Islam, and M. H. Mir	<i>Polyhedron</i>	0277-5387
15	Study on the antibacterial activity and interaction with human serum albumin of Tagetes erecta inspired biogenic silver nanoparticles	A. Maji, M. Beg, S. Das, M.N. Aktara, S. Nayim, A. Patra, M.M. Islam, and M. Hossain	<i>Process Biochemistry</i>	1359-5113
16	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, M.M. Islam, and M. Hossain	<i>Journal of Biomolecular Structure and Dynamics</i>	739-1102
17	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, S.G. Chowdhury, M.M. Islam, P. Karmakar	<i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i>	2043-6262
18	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	N. Siddiqui, K. Pal, P. Karmakar, M.M. Islam, S. Mukhopadhyay	<i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i>	2043-6262



Sl. No.	Title of paper	Name of the author/s	Name of journal	ISSN number
19	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, M.M. Islam, and M. Hossain	<i>New Journal of Chemistry</i>	1369-9261
20	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, and Md. Akhtarul Alam	<i>The Journal of Organic Chemistry</i>	0022-3263
21	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, S.M. Alam, and S.M. Islam	<i>New Journal of Chemistry</i>	1369-9261
22	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, S. M. Alam, M. M. Islam, and M. H. Mir	<i>Polyhedron</i>	0277-5387
23	C-H...Å(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, S. M. Alam, S. M. Wabaidur, and M. H. Mir	<i>Journal of Coordination Chemistry</i>	0095-8972
24	AgNPs encapsulated by an amine-functionalized polymer nanocatalyst for CO <sub>2</sub> fixation as a carboxylic acid and the oxidation of cyclohexane under ambient conditions	N. Salam, P. Paul, S. Ghosh, U. Mandi, A. Khan, S.M. Alam, D. Das, and S.M. Islam	<i>New Journal of Chemistry</i>	1369-9261

Sl. No.	Title of paper	Name of the author/s	Name of journal	ISSN number
25	Green Synthesized AgNPs Embedded in COF: An Efficient Catalyst for the Synthesis of 2 Oxazolidinones and $\pm$ Alkylidene Cyclic Carbonates via CO <sub>2</sub> Fixation	Sk. Safikul Islam, Surajit Biswas, Rostam Ali Molla, Nasima Yasmin, and Sk. Manirul Islam	<i>ChemNanoMat</i>	2199-692X
26	POP-Pd(II) catalyzed easy and safe in-situ carbonylation towards the synthesis of $\pm$ -ketoamides from secondary cyclic amines utilizing CHCl <sub>3</sub> as the carbon monoxide surrogate	Sk. Safikul Islam, Sk. Riyajuddin, Rostam Ali Molla, Nasima Yasmin, Kaushik Ghosh, and S. M. Islam	<i>New Journal of Chemistry</i>	1369-9261
27	Supramolecular Assembly of a Terpyridyl based Binuclear Cu(II) Complex and its DNA Docking Study	S. Naaz, R. A. Laskar, M. R. Siddiqui, S. M. Wabaidur, M. A. Islam, S. M. Alam, M. M. Islam, and M. H. Mir	<i>Supramol. Chem.</i>	Print ISSN: 1061-0278 Online ISSN: 1029-0478
28	Exploration of semi-conducting properties of Zn(II) and Cd(II) based coordination polymers with dicarboxylate of chair-type backbone	Akhtaruzzaman, B. Pal, S. Khan, B. Dutta, S. Naaz, S. Maity, P. Ghosh, P. P. Ray, and M. H. Mir	<i>CrysEngComm</i>	1466-8033
29	Exploitation of a Zn(II) paddle wheel metal-organic framework as effective sorbent for the quantitative estimation of cationic and anionic dyes	T. Chatterjee, B. Dutta, S. Khan, S. Islam, A. M. Alanazi, S. M. Wabaidur, S. M. Alam, and M. H. Mir	<i>Inorg. Chim. Acta</i>	Online ISSN: 1873-3255 Print ISSN: 0020-1693
30	Mechanical motion in crystals triggered by solid state photochemical [2 + 2] cycloaddition reaction	S. Khan, Akhtaruzzaman, R. Medishetty, A. Ekka, and M. H. Mir	<i>Chem. Asian J.</i>	Online ISSN: 1861-471X Print ISSN: 1861-4728
31	Evidence for dual site binding of Nile blue A toward DNA: Spectroscopic, thermo-dynamic, and molecular modeling studies	Mohammad, Mukti, Harun Al Rasid Gazi, Kumud Pandav, Prateek Pandya, and Md. Maidul Islam	<i>ACS omega</i>	2470-1343

Sl. No.	Title of paper	Name of the author/s	Name of journal	ISSN number
32	A comparison on the biochemical activities of Fluorescein disodium, Rose Bengal and Rhodamine 101 in the light of DNA binding, antimicrobial and cytotoxic study	Mohammad, Mukti, Ishita Saha, Kunal Pal, Parimal Karmakar, Prateek Pandya, Harun Al Rasid Gazi, and Md. Maidul Islam	<i>Journal of Biomolecular Structure and Dynamics</i>	Print ISSN: 0739-1102 Online ISSN: 1538-0254
33	Sunlight assisted SCSC dimerization of a 1D coordination polymer impacts the selectivity of Pd(II) sensing in water	M. H. Mir, S. Bera, S. Khan, S. Maity, C. Sinha, and B. Dutta	<i>Chem. Commun.</i>	1364-548X
34	Copper-Catalyzed Preparation of Alkenylboronates and Arylboronates	Safiul Alam, Rejaul Karim, Aminur Khan, Amarta Kumar Pal, and Antoine Maruani	<i>Eur. J. Org. Chem.</i>	Online ISSN: 1099-0690 Print ISSN: 1434-193X
35	Strategic Design of Anthracene-Decorated Highly Luminescent Coordination Polymers for Selective and Rapid Detection of TNP: An Explosive Nitro Derivative and Mutagenic Pollutant	S. Khan, A. Hazra, B. Dutta, Akhtaruzzaman, M. J. Raihan, P. Banerjee and M. H. Mir	<i>Cryst. Growth Des.</i>	Print Edition ISSN: 1528-7483 Web Edition ISSN: 1528-7505
36	One-pot crystallization of 1,4-cyclohexanedicarboxylate based two tetranuclear Cu(II) compounds impacts on DNA binding affinities	Akhtaruzzaman, M. Mohammad, S. Khan, B. Dutta, S. Maity, S. Naaz, S. M. Alam, P. Ghosh, M. M. Islam and M. H. Mir	<i>CrysEngComm</i>	1466-8033
37	Semiconducting properties of pyridyl appended linear dicarboxylate based coordination polymers: theoretical prediction via DFT study	F. Ahmed, J. Ortega-Castro, A. Frontera and M. H. Mir	<i>Dalton Trans.</i>	1477-9234
38	Electrically conductive 1D coordination polymers: design strategy and controlling factors	F. Ahmed, B. Dutta and M. H. Mir	<i>Dalton Trans.</i>	1477-9235

Sl. No.	Title of paper	Name of the author/s	Name of journal	ISSN number
39	Strategic Design of Anthracene-Decorated Highly Luminescent Coordination Polymers for Selective and Rapid Detection of TNP: An Explosive Nitro Derivative and Mutagenic Pollutant	Khan, S., Hazra, A., Dutta, B., Akhtaruzzaman, Raihan, M. J., Banerjee, P. and Mir M. H.	<i>Cryst. Growth Des.</i>	Print Edition ISSN: 1528-7483 Web Edition ISSN: 1528-7505

## 7. Paper Presentation/Invited Talk :

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Dr. Md. Hedayetullah Mir	Photoreactive Metal-Coordination Polymers and their Applications	International webinar	International Symposium at Shandong University Shandong, P.R. China	November 2020

## 8. Students Qualifying in State/National/International Level Examinations

Name of the Qualifying Student	Year of Qualifying	Level of Exam	Name of Competitive Examination
Ashif Iqbal	2020	National	GATE
Asifur Rahaman Mallick	2020	National	CSIR-UGC NET
Md Azimuddin Sk	2020	National	GATE
Md Azimuddin Sk	2020	State	SET
Moupriya Mukharjee	2021	National	GATE

## 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.

Head of the Department : Nurul Huda Gazi

### 3. Academic Programmes Offered :

Integrated B.Sc.-M.Sc. in Mathematics

B.Sc. in Mathematics

M.Sc. in Mathematics

Integrated B.Sc.-M.Sc. in Statistics

B.Sc. in Statistics

M.Sc. in Statistics

PhD

### 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
10	Sahabuddin Sarwardi	Assistant Professor	MSc, PhD	Nonlinear Analysis, Dynamical Systems

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
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 :

### i. International and National Journal :

Title of paper	Name of the author/s	Name of journal	ISSN number
Complex dynamics of an exploited prey-predator model with nonlinear prey refuge	Md. M. Haque & S. Sarwardi	<i>Discontinuity, Nonlinearity, and Complexity</i>	2164-6376, 2164-6376
Dynamics of an eco-epidemiological system with disease in competitive prey species	A.A. Shaikh, H.K. Das, and S. Sarwardi	<i>Journal of Applied Mathematics and Computing</i>	1865-2085, 1598-5865
Exact Inference of a Simple Step-Stress Model with Hybrid Type-II Stress Changing Time	Debashis Samanta, Arnab Koley, Arindam Gupta, and Debasis Kundu	<i>Journal of Statistical Theory and Practice</i>	1559-8608
Uniqueness of an entire function sharing fixed points with its derivatives	Md. M. Rahaman and I. Kaish	<i>Ratio Mathematica</i>	2282-8214
Uniqueness of an entire function sharing a polynomial with its linear differential polynomial	I. Kaish and N. U. Gazi	<i>Ratio Mathematica</i>	2282-8214
Small function sharing results on uniqueness of meromorphic functions concerning differential polynomials	Md. M. Rahaman and I. Kaish	<i>Asian-European Journal of Mathematics</i>	1793-7183

Title of paper	Name of the author/s	Name of journal	ISSN number
Differential Geometric Aspects of Null (Lightlike) $f$ -rectifying Curves in Minkowski Space-time	Zafar Iqbal and Joydeep Sengupta	<i>Differential Geometry Dynamical Systems</i>	1454-511X
Magnetic Trajectories Corresponding to Killing Magnetic Fields in a Three Dimensional Warped Product	Zafar Iqbal, Joydeep Sengupta and Subenoy Chakraborty	<i>International Journal of Geometric Methods in Modern Physics</i>	1793-6977
Null (Lightlike) $f$ -Rectifying Curves in the Three Dimensional Minkowski Space $\mathbb{E}^3_1$	Zafar Iqbal and Joydeep Sengupta	<i>Fundamental Journal of Mathematics and Applications</i>	2645-8845
Non-Null (Spacelike or Timelike) $f$ -Rectifying Curves in The Minkowski 3-Space $E_3$	Zafar Iqbal and Joydeep Sengupta	<i>Euresian Bulletin of Mathematics</i>	2687-5632
High-resolution ultrasonography in carpal tunnel syndrome: role of ancillary criteria in diagnosis and response to steroid injection	Rudra Prosad Goswami, Hiranmanik Sit, Moumita Chatterjee, Debasish Lahiri, Geetabali Sircar, and Parasar Ghosh	<i>Clinical Rheumatology</i>	0770-3198
Rituximab in the treatment of systemic sclerosis-related interstitial lung disease: a systematic review and meta-analysis	Rudra Prosad Goswami, Animesh Ray, Moumita Chatterjee, Arindam Mukherjee, Geetabali Sircar, and Parasar Ghosh	<i>Rheumatology</i>	1462-0324
A mathematical study of a two species eco-epidemiological model with different predation principles	A. Saikh and N.H. Gazi,	<i>Discontinuity, Nonlinearity, and Complexity</i>	2164-6376
Spatial patterns of an SIS epidemic model with diffusion	M.A. Yau and N.H. Gazi	<i>Discontinuity, Nonlinearity, and Complexity</i>	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 Sadek Hossain Mallik	<i>Journal of Thermal Stresses</i>	1521-074X
Incorporating prey refuge in a prey-predator model with Beddington-DeAngelis type functional response: a comparative study on intra-specific competition	Sahabuddin Sarwardi, Md. Hafizul Molla, and Md. Sabiar Rahman	<i>Discontinuity, Nonlinearity, and Complexity</i>	2164-6376, 2164-6376
Study of a predator-prey model system with Monod-Haldane functional response and Harvesting	N.H. Gazi, M.R. Mondal, and S. Sarwardi	<i>Discontinuity, Nonlinearity, and Complexity</i>	2164-6376, 2164-6376
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, and S. Sarwardi	<i>Journal of Applied Nonlinear Dynamics</i>	2164-6457, 2164-6473



Title of paper	Name of the author/s	Name of journal	ISSN number
Analysis of Bogdanov–Takens bifurcations in a spatiotemporal harvested-predator and prey system with Beddington–DeAngelis-type response function	S. Sarwardi, Md. M. Haque, and S. Hossain	<i>Nonlinear Dynamics</i>	1573-269X, 0924-090X
Analysis of Bogdanov-Takens bifurcations in a spatiotemporal harvested predator and prey system with Beddington DeAngelis-type response function	S. Sarwardi, M.M. Haque, and S. Hossain	<i>Nonlinear Dynamics (Springer)</i>	1573-269X 0924-090X
Extremal F-indices for bicyclic graphs with k pendant vertices	Ruhul Amin and Sk. Md. Abu Nayeem	<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, and Sk. Md. Abu Nayeem	<i>Journal of the Indonesian Mathematical Society</i>	2086-8952
Abian's relation on semirings	Sarifa Khatun, Jayasri Sircar, and Sk. Md. Abu Nayeem	<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 and Sk. Md. Abu Nayeem	<i>Discrete Mathematics, Algorithms and Applications</i>	1793-8309
Extremal F-index of a graph with k cut edges	Ruhul Amin and Sk. Md. Abu Nayeem	<i>Matematicki Vesnik</i>	0025-5165
On the positive definite solution of a class of pair of nonlinear matrix equations	Hasem Ali and Sk. Monowar Hossein	<i>Computational and Applied Mathematics</i>	Electronic ISSN 1807-0302 / Print ISSN 2238-3603
An entire function sharing a small function with its linear differential polynomial	I. Kaish and N. U. Gazi	<i>Calcutta Mathematical Society</i>	0008-0659
Dynamical study of a prey-predator model incorporating nonlinear prey refuge and additive Allee effect acting on prey species	Sahabuddin Sarwardi, Hafizul Molla, and Md. Sabiar Rahman	<i>Model. Earth Syst. Environ</i>	2363-6211, 2363-6203
Dynamics of a stage-structured-prey and predator model with linear harvesting of mature prey and predator	Md. M. Haque and S. Sarwardi	<i>Discontinuity, Nonlinearity, and Complexity</i>	2164-6376, 2164-6376
A New Growth Rate Measure in Identifying Extended Gompertz Growth Curve and Development of Goodness-of-fit Test	F. Yeasmin, R. Daw, B. Chakraborty, A. Gupta, S. Bhattacharya, and B. Chakraborty	<i>Calcutta Statistical Association Bulletin</i>	—



Title of paper	Name of the author/s	Name of journal	ISSN number
Meta-Analysis of a Step-Stress Experiment Under Weibull Distribution	Debashis Samanta and Debasis Kundu	<i>Journal of Statistical Computation and Simulation</i>	0094-9655
Bayesian inference of a dependent competing risk data	Debashis Samanta and Debasis Kundu	<i>Journal of Statistical Computation and Simulation</i>	0094-9655
A note on uniqueness of meromorphic functions sharing two values with their differences	I. Kaish and Md. M. Rahaman	<i>Palestine Journal of Mathematics</i>	2219-5688
On uniqueness results for meromorphic functions sharing one small function concerning differential polynomials	Md. M. Rahaman and I. Kaish	<i>The Journal of Analysis</i>	2367-2501
On f-rectifying curves in the Euclidean 4-space	Zafar Iqbal and Joydeep Sengupta	<i>Acta Universitatis Sapientiae, Mathematica</i>	2066-7752
Effects of Covariates on alternating recurrent events in Accelerated Failure Time models	Moumita Chatterjee and Sugata Sen Roy	<i>The International Journal of Biostatistics</i>	1557-4679
Depression, anxiety and suicidality among patients with psoriatic arthritis: a systematic review and meta-analysis	Moumita Chatterjee, Rudrani Chatterjee, and Rudra Prosad Goswami	<i>European Journal of Rheumatology</i>	—
Knowledge, Awareness and Attitudes Related to HIV/AIDS Among Urban and Rural Married Women Belonging to an Ethnic Population of India	Susmita Roy, Nitish Mondal, Moumita Chatterjee, and Jaydip Sen	<i>Online Journal of Health and Allied Sciences</i>	0972-5997
Classifying countries in terms of Government expenditure: A multi criteria approach	Lich Khac Hoang, Moumita Chatterjee, Kien The Nguyen, and Duong Anh Nguyen	<i>HSE Economic Journal</i>	—
Network theoretic analysis of JAK/STAT pathway and extrapolation to drugs and viruses including COVID-19	Arindam Banerjee, Rudra Prosad Goswami, and Moumita Chatterjee	<i>Scientific Reports (Nature)</i>	—
Endemic infections, vaccinations and variability of SARS-COV2 worldwide epidemiology: a cross-sectional study	Moumita Chatterjee, Rudra Prosad Goswami, and Bhaswati Ganguli	<i>Journal of Medical Virology</i>	—
Efficacy and safety of intravenous and subcutaneous immunoglobulin therapy in idiopathic inflammatory myopathy : A systematic review and meta-analysis	Rudra Prosad Goswami, Soumendra Nath Haldar, Moumita Chatterjee, Pallavi Vij, Anneke J. van der Kooi, Johan Lim, Joost	<i>Autoimmunity Reviews</i>	—

Title of paper	Name of the author/s	Name of journal	ISSN number
	Raaphorst, Danveer Bhadu, Chiara Gelardi, Maria Giovanna Danieli, and Uma Kumar		
Holling-Tanner Predator-Prey Model with Type-IV Functional Response and Harvesting	Nurul Huda Gazi and Subrata Kumar Biswas	<i>Discontinuity, Nonlinearity, and Complexity</i>	2164-6376
The effect of the force of infection and treatment on the disease dynamics of an SIS epidemic model with immigrants	A. Saikh and NH Gazi	<i>Results in Control and Optimization</i>	2666-7207
Variational principle, uniqueness and reciprocity theorems for higher order time-fractional four-phase-lag generalized thermoelastic diffusion model	Md. Abul Kashim Molla and Sadek Hossain Mallik	<i>Mechanics Based Design of Structures and Machines</i>	1539-7742
Time-nonlocal six-phase-lag generalized theory of thermoelastic diffusion with two-temperature	Md. Abul Kashim Molla and Sadek Hossain Mallik	<i>Waves in Random and Complex Media</i>	1745-5049
Predator-prey dynamics with Allee effect on predator species subject to intra-specific competition and nonlinear prey refuge.	Hafizul Molla, Sahabuddin Sarwardi, and Mohammad Sajid	<i>Journal of Mathematics and Computer Science, (ISR). Vol. 25, 150-165.</i>	2008-949X
Complex spatiotemporal dynamics of a harvested prey-predator model with Crowley-Martin response function	S. Hossain, M.M. Haque, M. H. Kabir, M.O. Gani, and S. Sarwardi	<i>Results in Control and Optimization</i>	—
A linear time algorithm for minimum equitable dominating set in trees	Sohel Rana and Sk. Md. Abu Nayeem	<i>Proyecciones (Antofagasta)</i>	0717-6279
$\alpha$ Spectra of graphs obtained by two corona operations and $\alpha$ cospectral graphs	Md. Abdus Sahir and Sk. Md. Abu Nayeem	<i>Discrete Mathematics, Algorithms and Applications</i>	1793-8309
Solution of a Class of Nonlinear Matrix Equations	Shamik Pakhira, Snehasish Bose, and Sk. Monowar Hossein	<i>Bulletin of the Iranian Mathematical Society</i>	1735-8515
A Study on $f$ -Rectifying Curves in Euclidean $n$ -Space Applications	Zafar Iqbal and Joydeep Sengupta	<i>Universal Journal of Mathematics and</i>	2619-9653
Analysis of Bogdanov-Takens Bifurcation of Codimension 2 in a Gause-type Model with Constant Harvesting of Both Species and Delay Effect	N. Sarif and S. Sarwardi	<i>Journal of Biological Systems</i>	—

## ii. Book, Book Chapter, etc.

Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Name of the publisher
1	Debashis Samanta	<i>Advances in Statistics-Theory and Applications</i>	A Simple Step-Stress Model for "Lehmann family of distributions"	2020	978-3-030-62899-4	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
Joydeep Sengupta	Non-null f-rectifying Curves in the Minkowski 3-space (Invited Talk)	International	Maharaja Bir Bikram University, Tripura	09-10 July, 2020
Sumana Pal	Partial Metric Spaces and Operators Over Them (Invited Talk)	International	Maharaja Bir Bikram University, Tripura	09-10 July, 2020

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

Name of Sem./Wor./Con./FDP	Funded By	Date	International/ National/State/Webinar
Celebrating the Birth Centenary of Prof. C.R. Rao	Nil	10. 09.2020	State Webinar

## 9. Students Qualifying in State/National/International Level Examinations

Name of the Qualifying Student	Year of Qualifying	Level of Exam	Name of Competetive Examination
Abu Jafar Mondal	2020	National	NET
Md. Selim Reja	2020	National	NET

Name of the Qualifying Student	Year of Qualifying	Level of Exam	Name of Competetive Examination
Osman Gani Mondal	2020	National	NET
Nur Nabi Azad	2020	National	NET
Mehbub Alam	2020	National	NET
Mehbub Alam	2020	National	NET
Md. Selim Reja	2020	State	SLET
Md. Abu Raihan	2020	State	SLET
Mehbub Alam	2020	State	SLET
Sk. Abu Osama	2020	State	SLET
Osman Gani Mondal	2020	State	SLET
Mehbub Alam	2020	State	SLET
Md. Selim Reja	2020	National	GATE
Pinki Khatun	2020	National	GATE
Sobur Sk	2020	National	JAM
Mehbub Alam	2021	National	NET
Sk. Abu Osama	2021	National	NET
Md. Kausar Sk.	2021	National	NET
Taimur Rahaman	2021	National	NET
Rubel Sk.	2021	National	NET
Amikul Islam	2021	National	NET
Ishtiaque Ahmed	2021	National	NET
Abujafar Mandal	2021	National	GATE
Md. Selim Reja	2021	National	GATE
Nur Nabi Azad	2021	National	GATE
Semim Sk.	2021	National	JAM
Lovelina Khanam	2021	National	GATE
Sourav Kumar Ghosh	2021	National	GATE
Imran Ali	2021	National	GATE
Musaraf Hossain	2021	National	GATE
Md. Mentu Sk.	2021	National	GATE
Mst. Asika Khatun	2021	National	GATE
Asrafunnesa Khatun	2021	National	GATE
Mustaque Alam	2021	National	GATE
Abdur Rohim	2021	National	GATE
Injamul Hossain	2021	National	JAM
Sohel Raja	2021	National	JAM
Sobur Sk.	2021	National	JAM
Musaraf Hossain	2021	National	JAM
Md. Samsur Rahaman	2021	National	GATE

## Department of Physics

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

### 2. About the Department :

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.

Head of the Department : Muklesur Rahman

### 3. Academic Programmes Offered :

3-year BSc in Physics (Hons.)

2-year MSc in Physics

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. 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

## 5. 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

## 6. Reputed Research Publications

### i. International and National Journal :

Sl. No.	Title of paper	Name of the author/s	Name of journal	ISSN number
1	Hyperspherical Few-Body Model Calculation for Cascade • Exotic Hypernuclei with Reference to Nuclear Drip Lines	Md. A. Khan, M. Alam, M. Hasan, and S.H. Mondal	<i>Bulgarian Journal of Physics</i>	1310-0157
2	Electronic structure calculations of compressed Li atom using composite technique under Ritz variational framework	J. K. Saha, S. Bhattacharyya, and Sk. F. Ahmed	<i>International Journal of Quantum Chemistry</i>	1097-461X
3	Hierarchical copper oxide as efficient enzymeless amperometric biosensor and promising photocatalyst	B. Show, Sk. F. Ahmed, A. Mondal, and N. Mukherjee	<i>Journal of Environmental Chemical Engineering</i>	2213-3437

Sl. No.	Title of paper	Name of the author/s	Name of journal	ISSN number
4	Effect of Electrode Distance on the Electron Field Emission Property for CdS Nanofibers	Sk. F. Ahmed, M. Khan, and N. Mukherjee	<i>AIP Conference Proceedings</i>	1551-7616
5	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. Rahaman, S. Das, T. Saha-Dasgupta, P. Lemmens, A. N. Vasiliev, and O. S. Volkova	<i>Phys. Rev. B.</i>	2469-9950
6	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.Rahaman, T.Saha-Dasgupta, and A.Vasiliev	<i>Journal of Alloys and Compounds</i>	0925-8388
7	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 Md. M Hossain	<i>Journal of Physics B: At. Mol. Opt. Phys.</i>	0953-4075
8	Theoretical study on the control of absorption, transparency and amplification in a microwave and rf driven four-level (" + ") -type closed-contour interaction system	A. Das, J. K. Saha and Md. M Hossain	<i>Journal of Physics B: At. Mol. Opt. Phys.</i>	0953-4075



Sl. No.	Title of paper	Name of the author/s	Name of journal	ISSN number
9	Structural properties of hydrogen-like ions ( $Z = 1-18$ ) under quantum and classical plasma environment	Sujay Kr. Nayek, Santanu Mondal, and Jayanta K. Saha	<i>Atomic Data and Nuclear Data Tables</i>	0092-640X
10	Critical Stability and Quantum Phase Transition of Two-electron System under Exponential-Cosine Screened-Coulomb Interaction	Anjan Sadhukhan, Sujay Kr. Nayek and Jayanta K. Saha	<i>European Physical Journal D</i>	1434-6079
11	Nematic—cybotactic nematic phase transition in a liquid crystal: a dielectric spectroscopic study	Lipi Nasrin, A.K. Nasir, S. Ghosh, A. Yoshizawa and M. Rahman	<i>Mater. Res. Express</i>	2053-1591
12	Does dark matter admixed pulsar exist?	Sajahan Molla, Bidisha Ghosh, and Mehedi Kalam	<i>The European Physical Journal Plus</i>	2190-5444
13	Possible existence of dark matter admixed pulsar	Nilofar Rahman, Sajahan Molla, and Mehedi Kalam	<i>The European Physical Journal Plus</i>	2190-5444
14	A theoretical construction of thin-shell wormhole from regular charged black holes	Nilofar Rahman, Masum Murshid, Farook Rahaman, and Mehedi Kalam	<i>International Journal of Modern Physics A</i>	0217-751X
15	Analytical model of millisecond pulsar PSR J0514-4002A	Sajahan Molla, Bidisha Ghosh, and Mehedi Kalam	<i>The European Physical Journal Plus</i>	2190-5444
16	Structure and Elastic Properties of an Unsymmetrical Bi-Heterocyclic Azo Compound in the Langmuir Monolayer and Langmuir–Blodgett Film	Ikbal Ahmed, Tanmay Mathur, AKM Maidul Islam, Jasper R Plaisier, Pietro Parisse, Sabu Thomas, and Jayanta Kumar Bal	<i>ACS omega</i>	2470-1343
17	A semi-classical model of regular inflationary cosmology	Biplab Paik, M. Yu. Khlopov, Mehedi Kalam and Saibal Ray	<i>Physics of the Dark Universe</i>	2212-6864



Sl. No.	Title of paper	Name of the author/s	Name of journal	ISSN number
18	Thin-shell wormhole from ABGB–de Sitter black holes	Nilofar Rahman, Masum Murshid, and Mehedi Kalam	<i>International Journal of Modern Physics A</i>	0217-751X
19	Electronic structure calculations of compressed Li atom using composite technique under Ritz variational framework	Jayanta K. Saha, S. Bhattacharyya, and Sk. Faruque Ahmed	<i>Int. J. Quant. Chem</i>	0020-7608
20	Effect of Distance Between Cathode and Substrate on Structural and Optical Properties of Zinc Oxide Thin Films Deposited by RF Sputtering Technique	M. Khan and Sk. F. Ahmed	<i>Materials Physics and Mechanics</i>	1605-2730
21	Stabilization of ferromagnetism in carbon doped $\text{Mg}_{n-2}\text{Mn}_2\text{O}_n$ clusters	B. Rahaman et. al.	<i>International Journal of Computational Materials Science and Engineering</i>	2047-6841
22	Dynamic spin fluctuations in the frustrated spin chain compound $\text{Li}_3\text{Cu}_2\text{SbO}_6$	B. Rahaman et. al.	<i>Physical Review B</i>	2469-9950
23	Comparative study of $\text{Sr}_2\text{Fe}_3\text{Ch}_2\text{O}_3$ (Ch = S, Se): 2-D AFM spin $S = 2$ ladder systems	B. Rahaman et. al.	<i>The European Physical Journal B</i>	1434-6028
24	Application of Supersymmetric Quantum Mechanics to Calculate Resonance Energy and Wave Function of Halo Nucleus $^{19}\text{C}$	MA Khan, M Hasan, SH Mondal, and M Alam	<i>Few-Body Systems</i>	0177-7963
25	Hyperspherical three-body model calculation for the bound and resonant states of the neutron dripline nuclei $^{42,44}\text{Mg}$ using isospectral potential	MA Khan, M Hasan, and SH Mondal	<i>Nuclear Physics A</i>	0375-9474

Sl. No.	Title of paper	Name of the author/s	Name of journal	ISSN number
26	A theoretical study of the group refractive index in a four-level inverted Y-type system formed by 87Rb atom–laser radiation interaction	R Hazra and M M Hossain	<i>Quantum Electronics</i>	1063-7818
27	Effect of spontaneously generated coherence (SGC) on the line shapes of absorption, transparency, dispersion and group index of a four-level inverted Y-type atom–lasers coupling system	R Hazra and M M Hossain	<i>Eur. Phys. J. Plus</i>	2190-5444
28	The analysis of coherent phenomena for both linear and non-linear interactions in a four-level ladder (•)-type configuration using density matrix formalism in dressed state representation	R Laskar, M M Hossain, and J K Saha	<i>Physica Scripta</i>	0031-8949
29	Stabilization method with Relativistic Configuration-interaction applied to two-electron resonances	P. Amaro, J. P. Santos, S. Bhattacharyya, T. K. Mukherjee, and J. K. Saha	<i>Phys. Rev. A</i>	1050-2947
30	Critical stability of spatially confined Zee system	Anjan Sadhukhan, K. D. Sen, and Jayanta K. Saha	<i>Chem. Phys. Lett.</i>	0009-2614
31	Structural properties of Li atom under external plasma environment using composite Ritz variational framework	Santanu Mondal, Sujay Kr. Nayek, and Jayanta K. Saha	<i>Cont. Plas. Phys.</i>	0863-1042
32	Quantum Phase Transition in Symmetric Quantum Three-body System	Anjan Sadhukhan, Santanu Mondal, Sujay Kr. Nayek, and Jayanta K. Saha	<i>Eur. Phys. J. D</i>	1434-6060

Sl. No.	Title of paper	Name of the author/s	Name of journal	ISSN number
33	Structural properties of Na atom under impenetrable spatial confinement	Santanu Mondal, K. D. Sen, and Jayanta K. Saha	<i>Canadian J. Phys.</i>	0008-4204
34	Hydrogen atom embedded in non-ideal classical plasmas	Sujay Kr. Nayek and Jayanta K. Saha,	<i>Braz. J. Phys.</i>	0103-9733
35	Structural modifications of two-electron systems under harmonic confinement	Ashoke Hazra, Santanu Mondal, Jayanta K. Saha, Sukhamoy Bhattacharyya, and K. D. Sen	<i>Eur. Phys. J. D</i>	434-6060
36	Satellite lines of helium-like ions in strongly coupled plasma environment	R. Chandra, S. Bhattacharyya, J. K. Saha, X. Li, and T. K. Mukherjee	<i>J. Quant. Spec. Rad. Tran.</i>	0022-4073
37	Ground and Doubly excited states of He atom in Non-ideal Classical Plasmas: Structural, Entanglement and Information Theoretical Measures	Santanu Mondal, Sujay Kr. Nayek, and Jayanta K. Saha	<i>Eur. Phys. J. Plus</i>	2190-5444

## ii. E-Content

Sl. No.	Name of the author/s	Title of Content	Year	Link/Details
1	Mehedi Kalam	Electrodynamics - II : PH-402	2021	
2	Mehedi Kalam	EM Radiation-Accelerator and Angular Distribution of Radiation	2021	<a href="https://aliah.ac.in/departments/cms-page.php?key=physics&amp;page_key=e-content#:~:text=EM%20Radiation%20Accelerator%20and%20Angular%20Distribution%20of%20Radiation">https://aliah.ac.in/departments/cms-page.php?key=physics&amp;page_key=e-content#:~:text=EM%20Radiation%20Accelerator%20and%20Angular%20Distribution%20of%20Radiation</a>
3	Mehedi Kalam	General Relativity and Astrophysics: PH506	2021	—
4	Mehedi Kalam	Photon Orbit	2021	<a href="https://aliah.ac.in/departments/cms-page.php?key=physics&amp;page_key=e-content#:~:text=Photon%20Orbit,Download">https://aliah.ac.in/departments/cms-page.php?key=physics&amp;page_key=e-content#:~:text=Photon%20Orbit,Download</a>
5	Mehedi Kalam	Deflection of Light	2021	<a href="https://aliah.ac.in/departments/cms-page.php?key=physics&amp;page_key=e-content#:~:text=Deflection%20of%20Light,Download">https://aliah.ac.in/departments/cms-page.php?key=physics&amp;page_key=e-content#:~:text=Deflection%20of%20Light,Download</a>

Sl. No.	Name of the author/s	Title of Content	Year	Link/Details
				e-content#: ~ :text = Deflection%20 of%20Light,Download
6	Mehedi Kalam	Precession of the Perihelion	2021	<a href="https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=Precession%20 of%20the,Download">https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#: ~ :text = Precession%20 of%20the,Download</a>
7	Md. Abdul Khan	Nuclear & Particle Physics: PH306 & PH-504	2021	—
8	Md. Abdul Khan	Supplementary Lecture Notes - PH306 & PH-504	2021	<a href="https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=Supplementary%20Lecture%20Notes,Download">https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#: ~ :text = Supplementary%20Lecture%20Notes,Download</a>
9	Md. Abdul Khan	Nuclear Physics Tutorial-PH306	2021	<a href="https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=Nuclear%20 Physics %20Tutorial%20(PH306, Download">https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#: ~ :text = Nuclear%20 Physics %20Tutorial%20(PH306, Download</a>
10	Md. Abdul Khan	Nuclear Physics Tutorial-PH-504	2021	<a href="https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=Nuclear%20 Physics%20Tutorial%20(PH504, Download">https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#: ~ :text = Nuclear%20 Physics%20Tutorial%20(PH504, Download</a>
11	Badiur Rahaman	Solid State Physics-PH404	2021	<a href="https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=Solid%20State%20 Physics%3B%20Code%3A%20PH404">https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#: ~ :text = Solid%20State%20 Physics%3B%20Code%3A%20PH404</a>
12	Badiur Rahaman	Material Physics-PH504	2021	<a href="https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=Material%20 Physics%3B%20Code%3A%20PH504">https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#: ~ :text = Material%20 Physics%3B%20Code%3A%20PH504</a>
13	Badiur Rahaman	Waves & Acoustics and Optics; Code: PHYCC04 (Diffraction)	2021	<a href="https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=Waves%20%26 %20Acoustics%20and%20Optics%3B%20Code%3A%20PHYCC04%20(Diffraction)">https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#: ~ :text = Waves%20%26 %20Acoustics%20and%20Optics%3B%20Code%3A%20PHYCC04%20(Diffraction)</a>
14	Badiur Rahaman	Waves & Acoustics and Optics; Code: PHYCC04 (Acoustics)	2021	<a href="https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=Waves%20%26%20 Acoustics%20and%20 Optics%3B%20Code%3A%20 PHYCC04%20(Acoustics,Download">https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#: ~ :text = Waves%20%26%20 Acoustics%20and%20 Optics%3B%20Code%3A%20 PHYCC04%20(Acoustics,Download</a>

Sl. No.	Name of the author/s	Title of Content	Year	Link/Details
15	Sk. Faruque Ahmed	Semiconductor Physics & Device, PH-408	2021	—
16	Sk. Faruque Ahmed	Field Effect Transistor	2021	<a href="https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=PH%2D408%20Field,Download">https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=PH%2D408%20Field,Download</a>
17	Sk. Faruque Ahmed	Power Amplifiers I	2021	<a href="https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=PH%2D408%20Power%20Amplifiers%20I">https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=PH%2D408%20Power%20Amplifiers%20I</a>
18	Sk. Faruque Ahmed	Power Amplifiers II	2021	<a href="https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=PH%2D408%20Power%20Amplifiers%20II,Download">https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=PH%2D408%20Power%20Amplifiers%20II,Download</a>
19	Sk. Faruque Ahmed	Material Physics–I, Code: PH-502	2021	—
20	Sk. Faruque Ahmed	Nanoscience and Nanotechnology	2021	<a href="https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=PH%2D502%20Nanoscience,Download">https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=PH%2D502%20Nanoscience,Download</a>
21	Sk. Faruque Ahmed	Overview of surface coating techniques	2021	<a href="https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=PH%2D502%20Overview,Download">https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=PH%2D502%20Overview,Download</a>
22	Sk. Faruque Ahmed	Thin film deposition Process	2021	<a href="https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=PH%2D502%20Thin,Download">https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=PH%2D502%20Thin,Download</a>
23	Md. Mabud Hossain	Modern Optics: PH- 308	2021	—
24	Md. Mabud Hossain	Fiber Optics	2021	<a href="https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=Fiber%20Optics,Download">https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=Fiber%20Optics,Download</a>
25	Md. Mabud Hossain	Holography	2021	<a href="https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=Holography,Download">https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=Holography,Download</a>
26	Md. Mabud Hossain	Lasers (remaining part)	2021	<a href="https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=Lasers%20(remaining%20part,Download">https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=Lasers%20(remaining%20part,Download</a>

Sl. No.	Name of the author/s	Title of Content	Year	Link/Details
27	Md. Mabud Hossain	Statistical Mechanics-II: PH-406	2021	—
28	Md. Mabud Hossain	Quant. Stat. Mech. (Q.S.M.): General Theory of Density Operator / Density Matrix	2021	<a href="https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=L1%2D%20Quant.%20Stat,Download">https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=L1%2D%20Quant.%20Stat,Download</a>
29	Md. Mabud Hossain	Quantum Mechanical Ensemble Theory: Liouville's Theorem	2021	<a href="https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=L2%2D%20Quantum%20Mechanical,Download">https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=L2%2D%20Quantum%20Mechanical,Download</a>
30	Md. Mabud Hossain	Density Matrices for Microcanonical, Canonical and Grandcanonical	2021	<a href="https://aliah.ac.in/department/cms-Ensemblespage.php?key=physics&amp;page_key=e-content#:~:text=L3%2D%20Q.S,Download">https://aliah.ac.in/department/cms-Ensemblespage.php?key=physics&amp;page_key=e-content#:~:text=L3%2D%20Q.S,Download</a>
31	Md. Mabud Hossain	Problems on Canonical and Grandcanonical Ensembles (C.S.M.)	2021	<a href="https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=Problems%20on%20Canonical,Download">https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=Problems%20on%20Canonical,Download</a>
32	Muklesur Rahman	Electricity and Magnetism: PHYUGCC03	2021	—
33	Muklesur Rahman	Biot-Savart Law, Motion under Lorentz force	2021	<a href="https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=LECTURE%2D1%20(Biot,Download">https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=LECTURE%2D1%20(Biot,Download</a>
34	Muklesur Rahman	Application of Biot-Savart Law	2021	<a href="https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=LECTURE%2D2%20(Application,Download">https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=LECTURE%2D2%20(Application,Download</a>
35	Muklesur Rahman	PH 308	2021	—
36	Muklesur Rahman	Fresnel's equation using EM theory	2021	<a href="https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=LECTURE%2D1%20(Fresnel%27s,Download">https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=LECTURE%2D1%20(Fresnel%27s,Download</a>
37	Muklesur Rahman	Frequency Dispersion in Materials	2021	<a href="https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=LECTURE%2D2%20(Frequency,Download">https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=LECTURE%2D2%20(Frequency,Download</a>
38	A. K. M. Maidul Islam	Atomic and Molecular Physics-I: PH-302	2021	<a href="https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=Code%2DPH%2D302-,PH%2D302%2DOL%2D1,-Download">https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=Code%2DPH%2D302-,PH%2D302%2DOL%2D1,-Download</a>

Sl. No.	Name of the author/s	Title of Content	Year	Link/Details
39	Jayanta Kr Saha	Special Theory of Relativity: PH-304	2021	<a href="https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=PH%2D304%3A%20Special,Download">https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=PH%2D304%3A%20Special,Download</a>
40	Jayanta Kr Saha	Quantum Theory of Scattering: PH-410	2021	<a href="https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=PH%2D410%3A%20L1,Download">https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=PH%2D410%3A%20L1,Download</a>
41	Jayanta Kr Saha	Variational Method : PH-410	2021	<a href="https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=PH%2D410%3A%20L2,Download">https://aliah.ac.in/department/cms-page.php?key=physics&amp;page_key=e-content#:~:text=PH%2D410%3A%20L2,Download</a>

## 7. Paper Presentation/Invited Talk :

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Md. Mehedi Kalam	Wormhole in Galactic halos	International Webinar on "A Glimpse into Astrophysics & Cosmology"	Dept. of Physics, New Alipore College, Kolkata	9 August, 2020.
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 & SSD	31 October- 2 November, 2020
Md. Mehedi Kalam	Does wormhole exist in Galactic halos ?	International Seminar (virtual mode) on "Challenges and Innovations in Computational Astrophysics-II"	Organized by International Astronomical Union (IAU), Paris, France	18 - 21 November, 2020
Sk. Faruque Ahmed	Effect of Electrode Distance on the Electron Field Emission Property for CdS Nanofibers	National Conference on Physics and Chemistry of Materials (NCPCM-2020)		14-16 December, 2020

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Badiur Rahaman	Electronic properties and microscopic modeling of Polymeric Fe(II) triazole	International conference on Evolution of Electronic Structure Theory & Experimental Realization (EESTER-2020)	SRM University, IIT Madras & Upsala University, Sweden	14-18 December, 2020
Md. Abdul Khan	An investigation to the bound and resonance states of strange exotic $\Sigma$ -hypernuclei	13 <sup>th</sup> International Conference on Plasma Science and Applications (ICPSA-2020) (Virtual)	Department of Physics, Ravenshaw University, Cuttack, India	26-28 December, 2020
Badiur Rahaman	Electronic and magnetic properties of $V_2GeO_4F_2$ —a quantum spin system with $S = 1$	6 <sup>th</sup> International conference on Nanoscience and Nanotechnology (ICCON-2021)	SRM Institute, Chennai	1-3 February, 2021

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

Name of Sem./Wor./Con./FDP	Funded By	Date	International/ National/State/Webinar
Online Lecture Series on Introduction to Field Theory: LSIFT-2020 (1st Phase)	AU	22.11.2020 to 06.12.2020	Lecture Series
Online Lecture Series on Introduction to Field Theory: LSIFT-2020 (2nd Phase)	AU	06.02.2021 to 28.02.2021	Lecture Series

#### 9. Students Qualifying in State/National/International Level Examinations :

Name of the Qualifying Student	Year of Qualifying	Level of Exam	Name of Competitive Examination
Allarakha Shikdar	2020	National	SET WB
Dilruba Khanam	2020	National	SET WB
Ramjan Sk	2020	National	IIT-JAM



Name of the Qualifying Student	Year of Qualifying	Level of Exam	Name of Competitive Examination
Saidul Sk	2020	National	IIT JAM
Samim Akhtar	2020	National	SET WB, GATE
Allarakha Shikdar	2021	National	GATE
Parvez Musaraf	2021	National	GATE
Abu Kouser Nasir	2021	National	GATE
Kouser Imam	2021	National	GATE
Javed Akhtar	2021	National	GATE
Samim Akhtar	2021	National	GATE, DST-INSPIRE -2021
Harun Al Rashid	2021	National	GATE

## **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.

**Head of the Department :** Usha Mallick

**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	–
9	Syeda Samsunahar	Nursing Tutor	MSc	Child Health Nursing

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
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 :

### i. 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 Copping 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
A study to determine the effect of using clippers in reducing surgical	Usha Mallick	<i>Journal of Emerging Technology &amp;</i>	2349-5162

Title of paper	Name of the author/s	Name of journal	ISSN number
site infections among the post operative abdominal surgery patients in a selected private hospital in Kolkata.	—	<i>Innovative Research (International)</i> ISSN UGC Approved (Journal No: 63975) & 5.87 Impact Factor	—
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> Vol 7, January - June, 2020	2350-1324
A co-relational study on job related stress, stress reaction and coping strategies adopted by nursing personnel providing care to PLHIVs at selected Medical College and Hospital, Kolkata	Lipika Mondal	<i>International-Asian Journal of Nursing Education and Research</i> DOI: 10.5958/2349-2996.2020.00049.X	ISSN 2231-1149 (Print) 2349-2996 (Online)
Effectiveness of RabindraSangeet and RabindraNritya on level of stress among mothers of children with ASD	Ishita Mondal, Lipika Mondal, and Moumita Bishnu Roy	<i>International-Sustainable Humansphere</i>	1880 - 6503
Role of nursing professionals in making hospital stay effective and less stressful for patients with ASD: A brief overview	Ishita Mondal	<i>International Journal of Advancement in Life Sciences Research</i> homepage <a href="http://ijalsr.org">http://ijalsr.org</a>	2581-4877
Effectiveness of Rabindra nritya on level of stress among mother's of children with Autism Spectrum Disorder	Ishita Mondal and Lipika Mondal	<i>Sodh Sarita Journal</i>	2348-2397
RabindraNritya: reduce stress among home maker women and enhance positive attitude towards women empowerment at selected area, West Bengal	Lipika Mondal	<i>International-International Conference on Women Empowerment 2020 published as book chapter, Global Publisher</i>	978-81-946098-0-3
Role of nursing professionals in making hospital stay effective and less stressful for Lesbian, Gay, Bisexual and Transgender patients: A brief overview	Lipika Mondal and Ishita Mandal	<i>Sodh Sanchar</i>	2229-3620
A study to evaluate the effectiveness of planned teaching programme on infant CPR among 3rd year B.Sc Nursing Students in selected college of nursing, Kolkata.	Syeda Samsunahar	<i>IJRAR (international Journal of Research and Analytical Reviews).</i>	ESSN 2348-1269 Print ISSN 2349-5138

Title of paper	Name of the author/s	Name of journal	ISSN number
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. Rehena Khatun	Purakala	0971-2143

## 7. Paper Presentation/Invited Talk :

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Rumi Sen	A Study to Assess the Knowledge on infertility and its selected Treatment modalities among couples attending selected infertility centre of Kolkata	National	Exemplary Research, Manipal College of Nursing, MAHE, Manipal	25/09/2020
Usha Mallick	Details about Breast Feeding	State Conference (Online)	TNAI WB Branch and SNU	08/08/2020
Usha Mallick	Adolescents mental Health	State Conference (Online)	TNAI WB Branch	10/10/2020
Usha Mallick	HIV and AIDS	State Conference (Online)	TNAI WB Branch	01/12/2020
Usha Mallick	Menstrual Hygiene	State Conference (Online)	TNAI WB Branch and Aliah University Dept of Nursing	28/05/2021
Usha Mallick	Hospital Environment for sick child	State Conference (Online)	IINR	05/06/2021
Usha Mallick	Nursing Audit	International Conference (Online)	Linkon University, Malaysia	06/06/2021
Usha Mallick	Quality care in Paediatric Nursing	National Conference (online)	CMC ,Vellore	24/06/2021-25/06/2021
Moumita Bishnu Roy	"Faculty concerns regarding curriculum completion"	State	Aliah University	12/05/2020
Moumita Bishnu Roy	Periods don't stop for pandemics. Neither do we"	State , TNAI	TNAI, West Bengal Branch	28/05/2020

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

Name of Sem./Wor./Con./FDP	Funded By	Date	International/ National/State/Webinar
Conference on Dementia Awareness Program (Online)	–	21.08.2020	Webinar
Seminar on World Population Day (Online)	–	11.07.2020	Webinar
Seminar on Breast Feeding Day (online)	–	01.08.2020 to 08.08.2020	Webinar

**9. Students Qualifying in State/National/International Level Examinations :**

Name of the Qualifying Student	Year of Qualifying	Level of Exam	Name of Competetive Examination
Afsana Rumi	2021	Professional	Staff Nurse
Alisha Islam	2021	Professional	Staff Nurse
Atika Parveen	2021	Professional	Staff Nurse
Beauty Mondal	2021	Professional	Staff Nurse
Biswas Nazmun Nahar	2021	Professional	Staff Nurse
Denalina Banerjee	2021	Professional	Staff Nurse
Eliza Parvin Ansari	2021	Professional	Staff Nurse
Farha Sk.	2021	Professional	Staff Nurse
Farhin Tamanna	2021	Professional	Staff Nurse
Farhin Wahab Laskar	2021	Professional	Staff Nurse
Firoja Khatun	2021	Professional	Staff Nurse
Habiba Khatun	2021	Professional	Staff Nurse
Hasna Hena	2021	Professional	Staff Nurse
Jakiya Sultana Gazi	2021	Professional	Staff Nurse
Jemima Akhtar	2021	Professional	Staff Nurse
Jiniya Azmi	2021	Professional	Staff Nurse
Joynaba Khatun	2021	Professional	Staff Nurse
Julekha Parvin	2021	Professional	Staff Nurse
Kajrin Rahaman	2021	Professional	Staff Nurse
Lilufa Yasmin	2021	Professional	Staff Nurse
Lutfa Sabnam	2021	Professional	Staff Nurse
Madhumita Khanra	2021	Professional	Staff Nurse

Name of the Qualifying Student	Year of Qualifying	Level of Exam	Name of Competetive Examination
Mahiton Khatun	2021	Professional	Staff Nurse
Manisha Mandal	2021	Professional	Staff Nurse
Najnin Parvin	2021	Professional	Staff Nurse
Nandini Jana	2021	Professional	Staff Nurse
Natasha Biswas	2021	Professional	Staff Nurse
Neha Khanam	2021	Professional	Staff Nurse
Neharika Parvin	2021	Professional	Staff Nurse
Rabia Khatun	2021	Professional	Staff Nurse
Reshma Sultana	2021	Professional	Staff Nurse
Rima Yeasmin	2021	Professional	Staff Nurse
Romana Ferdushi	2021	Professional	Staff Nurse
Rubaiya Islam	2021	Professional	Staff Nurse
Rubina Biswas	2021	Professional	Staff Nurse
Ruckhsena Khatun	2021	Professional	Staff Nurse
Sabina Khatun	2021	Professional	Staff Nurse
Sadaf Afshandah	2021	Professional	Staff Nurse
Sadia Siddiki	2021	Professional	Staff Nurse
Saheli Sultana	2021	Professional	Staff Nurse
Sahina Khatun	2021	Professional	Staff Nurse
Sahina Yeasmin	2021	Professional	Staff Nurse
Samapti Disha	2021	Professional	Staff Nurse
Samina Khatun	2021	Professional	Staff Nurse
Samuna Nasrin	2021	Professional	Staff Nurse
Saria Khatun	2021	Professional	Staff Nurse
Shabnam Rahman	2021	Professional	Staff Nurse
Sneha Parveen	2021	Professional	Staff Nurse
Soumina Khatun	2021	Professional	Staff Nurse
Sucharita Mahato	2021	Professional	Staff Nurse
Sumana Parvin	2021	Professional	Staff Nurse
Suparna Maity	2021	Professional	Staff Nurse
Tuhina Khatun	2021	Professional	Staff Nurse
Zareen Akhtara	2021	Professional	Staff Nurse



## 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.

Head of the Department : Supia Khatun

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

### 4. Faculty Members :

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
1	Safayat Ali Shaikh	Professor	PhD	Water Resource Engg.
2	Md. Raghib Adil	Assistant Prof.	MTech	Structural Engg.
3	Abhijit Mondal	Assistant Prof.	MTech	Geotechnical Engg.
4	Mohsin Jamal	Assistant Prof.	MTech	Geotechnical Engg.
5	Nehal Ahmed	Assistant Prof.	MTech	Water Resources Engg.
6	Supia Khatun	Associate Prof.	PhD	Geotechnical Engg.
7	Jafar Sadak Ali	Assistant Prof.	PhD	Structural Engg.
8	Md. Wasim Akram	Assistant Prof.	MTech	Geotechnical Engg.
9	Indranil Mukherjee	Associate Prof.	PhD	Environmental Engg.
10	Mohd Sayeed Ul Hasan	Assistant Prof.	MTech	Environmental Engg.

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

Structural Engineering, Geotechnical Engineering, Water Resources Engineering

## 6. Reputed Research Publications :

### i. International and National Journal

Title of paper	Name of the author/s	Department of the teacher	Name of journal	ISSN number
Prediction of CBR value of fine grained soils of Bengal Basin by genetic expression programming, artificial neural network and krigging method	Alam, S.K., Mondal, A., and Shiuly, A	Civil Engineering	<i>Journal of the Geological Society of India</i>	
Assessing flood-induced ecological vulnerability and risk using GIS-based in situ measurements in Bhagirathi sub-basin, India	Sufia Rehman, Mohd Sayeed Ul Hasan, Abhishek Kumar Rai, Ram Avtar, and Haroon Sajjad	Civil Engineering	<i>Arabian Journal of Geosciences</i>	1866-7511

## 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 M.Sc in Computer Science and 5-year Integrated Master of Computer Application. In the year 2013, the department started a 2-year M.Tech 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 Eleven (17) efficient permanent Faculty Members (3 Associate Professor and 14 Assistant Professors), some guest faculty members, four Technical Assistants and a Lab assistant 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 the following laboratory facilities for 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. In addition, 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. In addition, the Department has state-of-the-art research laboratories for post graduate students and research scholars.

The department has received research funding from various government agencies and industry for carrying out research on cutting edge technologies.

Head of the Department : Sk. Md. Obaidullah

### 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	PhD	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	PhD	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	PhD	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
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 :

### i. International and National Journal

Title of paper	Name of the author/s	Department of the teacher	Name of journal	ISSN number
A hybrid deep learning model for air quality time series prediction.	Samit Bhanja and Abhishek Das	Computer Science & Engineering	<i>Indonesian Journal of Electrical Engineering and Computer Science</i>	p-ISSN: 2502-4752, e-ISSN: 2502-4760
An Ultra Robust Session Key Based Image Cryptography	H. N. Khan, Abhishek Das, and A. Chaudhuri	Computer Science & Engineering	<i>Microsystem Technologies, Springer Nature,</i>	1432-1858
Segmentation of Blood Vessel Structure from the Retinal Image using Neighborhood Adaptive Line Structuring Element	Rajat Suvra Nandy, Abhishek Das, and Rohit Kamal Chatterjee	Computer Science & Engineering	<i>Indian Medical Journal</i>	0091-5871
An Enhanced Artificial Intelligence-Based Model for Automatic Detection of Level of Severity in Diabetic Retinopathy	Abhishek Das, Kaniz Fatima Mian, and Shukla Mondal	Computer Science & Engineering	<i>Indian Medical Journal</i>	0091-5871
Carbon Footprint Reduction Instrument	Sk. M. Haque, Abhishek Das, and Rukhsana	Computer Science & Engineering	<i>Elsevier, Reference Module in Materials Science and Materials Engineering,</i>	978-0-12-813196-1

Title of paper	Name of the author/s	Department of the teacher	Name of journal	ISSN number
A Novel Cancelable Face Hashing Technique Based on Non-invertible Transformation with Encryption and Decryption Template	Alamgir Sardar, Saiyed Umer, Chiara Pero, and Michele Nappi	Computer Science & Engineering	<i>IEEE Access (SCI)</i>	2169-3536
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, Tapas Bhadra and Zhongming Zhao	Computer Science & Engineering	<i>Genes</i>	2073-4425
Supervised Feature Selection using Integration of Densest Subgraph Finding with Floating Forward-Backward Search	Tapas Bhadra and Sanghamitra Bandyopadhyay	Computer Science & Engineering	<i>Information Sciences</i>	Print ISSN : 0020-0255 Online ISSN : 1872-6291
A Unified Framework of Deep Learning-Based Facial Expression Recognition System for Diversified Applications	Sanoar Hossain, Saiyed Umer, Vijayan Asari and Ranjeet Kumar Rout	Computer Science & Engineering	<i>MDPI Applied Sciences. (SCI)</i>	2076-3417
Deep Features Based Convolutional Neural Network Model for Text and Non-Text Region Segmentation from Document Images	Saiyed Umer, Ranjan Mondal, Hari Mohan Pandey, and Ranjeet Kumar Rout	Computer Science & Engineering	<i>Applied Soft Computing, Elsevier (SCI)</i>	1568-4946

Title of paper	Name of the author/s	Department of the teacher	Name of journal	ISSN number
Unsupervised Learning of Information-Derived from Amino Acid Spatial Distribution in SARS-CoV2 Proteins	Ranjeet Kumar Rout, Sk. Sariff Hassan, Sabha Sheikh, Saiyed Umer, Kshira Sagar Sahoo, and Amir H. Gandomi	Computer Science & Engineering	<i>Computers in Biology and Medicine, Elsevier; (SCI)</i>	0010-4825
A method for protein sequence similarity analysis using physicochemical properties of amino acids	Ranjeet Kumar Rout, Saiyed Umer, Sabha Sheikh, Sanchit Sindhwani, and Smitarani Pati	Computer Science & Engineering	<i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging &amp; Visualization, Taylor &amp; Francis. (Scopus)</i>	Print ISSN : 2168-1163 Online ISSN: 2168-1171
Facial expression recognition with trade-offs between data augmentation and deep learning features	Saiyed Umer, Ranjeet Kumar Rout, Chiara Pero, and Michele Nappi	Computer Science & Engineering	<i>Journal of Ambient Intelligence and Humanized Computing (Springer)</i>	1868-5137
Machine Learning Method for Cosmetic Product Recognition : A Visual Searching Approach	Saiyed Umer, Partha Pratim Mohanta, Ranjeet Kumar Rout, and Hari Mohan Pandey	Computer Science & Engineering	<i>Multimedia Tools and Applications (Springer) (SCI)</i>	1380-7501
Predicting applicable law sections from judicial case reports using legislative text analysis with machine learning	Souvik Sengupta and Vishwang Dave	Computer Science & Engineering	<i>Journal of Computational Social Science</i>	2432-2717
An on-demand scheduling scheme for mobile charger in wireless rechargeable sensor networks	Sabnur Rahaman, Md. Azharuddin, and Md. Kamaruzzaman	Computer Science & Engineering	<i>International Journal of Mechatronics, Electrical and Computer Technology (IJMEC)</i>	2411-6173
Movie title extraction and script separation using shallow convolution neural network	Mridul Ghosh, Sayan Saha Roy, Himadri Mukherjee, Sk. Md. Obaidullah, X. Z. Gao, and Kaushik Roy	Computer Science & Engineering	<i>IEEE Access</i>	2169-3536



Title of paper	Name of the author/s	Department of the teacher	Name of journal	ISSN number
Classification of Geometric Forms in Mosaics Using Deep Neural Network	Mridul Ghosh, Sk. Md. Obaidullah, Francesco Gherardini, and Maria Zdimalova	Computer Science & Engineering	<i>Journal of Imaging, MDPI</i>	2313-433X
LWSINet : A deep learning-based approach towards video script identification	Mridul Ghosh, Himadri Mukherjee, Sk. Md. Obaidullah, KC Santosh, Nibaran Das, and Kaushik Roy	Computer Science & Engineering	<i>Multimedia Tools and Applications, Springer</i>	1573-7721
STDNet : A CNN based approach to single/mixed script detection	Mridul Ghosh, Himadri Mukherjee, Sk. Md. Obaidullah, and Kaushik Roy	Computer Science & Engineering	<i>Innovations in Systems and Software Engineering (ISSE), Springe</i>	1614-5054
Understanding movie poster : Transfer-deep learning approach for graphic-rich text recognition	Mridul Ghosh, Sayan Saha Roy, Himadri Mukherjee, Sk. Md. Obaidullah, K C Santosh, and Kaushik Roy	Computer Science & Engineering	<i>The Visual Computer, Springer</i>	1432-2315
Automatic Lung Health Screening Using Respiratory Sounds	Himadri Mukherjee, Priyanka Sreerama, Ankita Dhar, Sk. Md. Obaidullah, Kaushik Roy, Mufti Mahmud, and K C Santosh	Computer Science & Engineering	<i>Journal of Medical Systems, Springer</i>	1573-7721
Shallow Convolutional Neural Network for COVID-19 Outbreak Screening using Chest X-rays	Himadri Mukherjee, Subhankar Ghosh, Ankita Dhar, Sk. Md. Obaidullah, K C Santosh, and Kaushik Roy	Computer Science & Engineering	<i>Cognitive Computation, Springer</i>	1866-9964
Deep Neural Network to Detect COVID-19 : One Architecture for both Chest X-rays and CT Scans	Himadri Mukherjee, Subhankar Ghosh, Ankita Dhar, Sk. Md. Obaidullah, K C Santosh, and Kaushik Roy	Computer Science & Engineering	<i>Applied Intelligence, Springer</i>	1573-7497

Title of paper	Name of the author/s	Department of the teacher	Name of journal	ISSN number
Radon-Wavelet based novel image descriptor for mammogram mass classification	Sk. Md. Obaidullah, Sajib Ahmed, Teresa Goncalves, and Luis Rato	Computer Science & Engineering	<i>Journal of Automation, Mobile Robotics Intelligent Systems</i>	2080-2145
Segregation of Songs and Instrumentals-a Precursor to Voice/ Accompaniment Separation from Songs in Noisy Scenario	Himadri Mukherjee, Sk. Md. Obaidullah, K C Santosh, Teresa Goncalves, and Santanu Phadikar	Computer Science & Engineering	<i>Journal of Automation, Mobile Robotics Intelligent Systems</i>	2080-2145
Pan-cancer classification by regularized multi-task learning	Sk. Md. Mosaddek Hossain, Lutfunnesa Khatun, Sumanta Ray, and Anirban Mukhopadhyay	Computer Science & Engineering	<i>Scientific Reports (Nature)</i>	2045-2322
Identification of key immune regulatory genes in HIV-1 progression	Sk. Md. Mosaddek Hossain, Lutfunnesa Khatun, Sumanta Ray, and Anirban Mukhopadhyay	Computer Science & Engineering	<i>Gene (Elsevier)</i>	0378-1119
Discovering key transcriptomic regulators in pancreatic ductal adenocarcinoma using Dirichlet process Gaussian mixture model	Sk. Md. Mosaddek Hossain, Aanzil Akram Halsana, Lutfunnesa Khatun, Sumanta Ray, and Anirban Mukhopadhyay	Computer Science & Engineering	<i>Scientific Reports (Nature)</i>	2045-2322
DTI-SNNFRA : Drug-target interaction prediction by shared nearest neighbors and fuzzy-rough approximation	Sk. Mazharul Islam, Sk. Md. Mosaddek Hossain, and Sumanta Ray	Computer Science & Engineering	<i>PLOS ONE</i>	1932-6203

Title of paper	Name of the author/s	Department of the teacher	Name of journal	ISSN number
Smart parking management system with dynamic pricing	Md Ashifuddin Miondal, Zeenat Rehena, and Marijn Janssen	Computer Science & Engineering	<i>Journal of Ambient Intelligence and Smart Environments</i>	1876-1364 (P)
Road traffic outlier detection technique based on linear regression	Md. Ashifuddin Mondal and Zeenat Rehena	Computer Science & Engineering	<i>Elsevier : Procedia Computer Science</i>	1877-0509
A Mechanism for Air Health Monitoring in Smart City using Context Aware Computin	Banani Ghose and Zeenat Rehena	Computer Science & Engineering	<i>Elsevier : Procedia Computer Science</i>	1877-0509
A novel multi-scale deep neural frame-work for script invariant text detection	T. Khan and A. F. Mollah	Computer Science & Engineering	<i>Neural Processing Letters</i>	1370-4621
Biomarker identification from gene expression based on symmetrical uncertainty	E. Asad and A. F. Mollah	Computer Science & Engineering	<i>International Journal of Intelligent Information Technologies</i>	1548-3657
MRCS : Multi-radii circular signature based feature descriptor for hand gesture recognition	T. Sahana, S. Basu, M. Nasipuri, and A. F. Mollah	Computer Science & Engineering	<i>Multimedia Tools and Applications</i>	1380-7501
Development of benchmark datasets of multi-oriented hand gestures for speech and hearing disabled	S. Paul, H. Nasser, A. F. Mollah, A. Bhattacharyya, P. Ngo, M. Nasipuri, I. Debled-Rennesson, and S. Basu	Computer Science & Engineering	<i>Multimedia Tools and Applications</i>	1380-7501
Genomic marks associated with chromatin compartments in the CTCF, RNAPII loop and genomic windows	T. Szczepinska, A. F. Mollah, and D. Plewczynski	Computer Science & Engineering	<i>International Journal of Molecular Sciences</i>	1422-0067

Title of paper	Name of the author/s	Department of the teacher	Name of journal	ISSN number
Benchmarking automatic multi-script scene component transcription for AUTNT dataset	Rahamatulla and A. F. Mollah	Computer Science & Engineering	<i>Sensing and Imaging</i>	1557-2072
Language identification from multi-lingual scene text images : A CNN based classifier ensemble approach	N. Chakraborty, S. Kundu, S. Paul, A. F. Mollah, S. Basu, and R. Sarkar	Computer Science & Engineering	<i>Journal of Ambient Intelligence and Humanized Computing</i>	1868-5137
Deep Learning Approaches to Scene Text Detection : A Comprehensive Review	T. Khan, R. Sarkar, and A. F. Mollah	Computer Science & Engineering	<i>Artificial Intelligence Review</i>	0269-2821
BOB : A Bi-level Overlapped Binning procedure for Scene Word Binarization	I. N. Dutta, N. Chakraborty, A. F. Mollah, S. Basu, and R. Sarkar	Computer Science & Engineering	<i>Multimedia Tools and Applications</i>	1380-7501
Journey of Scene Text Components Recognition : Progress and Open Issues	P. Sengupta and A. F. Mollah	Computer Science & Engineering	<i>Multimedia Tools and Applications</i>	1380-7501
Application of daisy descriptor for language identification in the wild	N. Chakraborty, A. Chatterjee, P. K. Singh, A. F. Mollah, and R. Sarkar	Computer Science & Engineering	<i>Multimedia Tools and Applications</i>	1380-7501
Handwritten Arabic Numerals Recognition using Convolutional Neural Network	P. Ahamed, S. Kundu, T. Khan, V. Bhateja, R. Sarkar, and A. F. Mollah	Computer Science & Engineering	<i>Journal of Ambient Intelligence and Humanized Computing</i>	1868-5137
Multi-lingual Scene Text Detection using Gradient Morphology	D. Dhar, N. Chakraborty, S. Choudhury, A. Paul, A. F. Mollah, S. Basu, and R. Sarkar	Computer Science & Engineering	<i>International Journal of Computer Vision and Image Processing</i>	2155-6997

Title of paper	Name of the author/s	Department of the teacher	Name of journal	ISSN number
Multi-lingual scene text detection and language identification	S. Saha, N. Chakraborty, S. Kundu, S. Paul, A. F. Mollah, S. Basu, and R. Sarkar	Computer Science & Engineering	<i>Pattern Recognition Letters</i>	0167-8655
Hand signs recognition from depth images with multi-scale density features for deaf mute persons	T. Sahana, S. Paul, S. Basu, and A. F. Mollah	Computer Science & Engineering	<i>Procedia Computer Science</i>	1877-0509
Text non-text classification based on area occupancy of equidistant pixels	T. Khan and A. F. Mollah	Computer Science & Engineering	<i>Procedia Computer Science</i>	1877-0509

## ii. Book, Book Chapter, etc.

Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Year of publication	ISBN/ISSN number of the proceeding	Name of the publisher
1	Abhishek Das	<i>Recent Trends in Computational Intelligence Enabled Research</i>	Segmentation of retinal blood vessel structure based on statistical distribution of the area of isolated objects	—	2021	978012822-8449	Academic Press USA
2	Abhishek Das	<i>Recent Trends in Computational Intelligence Enabled Research</i>	Deep learning-based diabetic retinopathy detection for multiclass imbalanced data	—	2021	978012822-8449	Academic Press USA

Sl. No.	Name of the teacher	Title of the book/ chapters published	Title of the paper	Title of the proceedings of the conference	Year of publication	ISBN/ISSN number of the proceeding	Name of the publisher
3	Sk. Md. Mosaddek	<i>Hosain International Conference on Advent Trends in Multidisciplinary Research and Innovation (ICATMRI-2020)</i>	Detecting overlapping gene communities during stomach adenocarcinoma : A discrete NMF-based integrative approach	Proceedings of the International Conference on Advent Trends in Multidisciplinary Research and Innovation (ICATMRI-2020)	2020	978-1-7281-9303-8	IEEE

## 7. Paper Presentation/Invited Talk :

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Abhishek Das	Machine Learning Fundamentals	State	Pailan college of management and technology, Kolkata	5 July, 2020
Abhishek Das	Machine Learning for Images	State	Government General Degree College, Singur	9 August, 2020
Abhishek Das	Emerging Technologies	National	Techno India, Govt. of Tripura and live on Headlines Tripura News Channel	27 August, 2020
Abhishek Das	Machine Learning in Computer Vision	National	Sri Guru Tegh Bahadur Khalsa College, Jabalpur	17 July, 2020
Abhishek Das	Invited to speak at the IEEE Day Celebrations	International	Bangladesh University of Engineering & Technology, Dhaka	9 October, 2020

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Abhishek Das	Keynote Talk at 6th International Conference on Emerging Applications of Information Technology (EAIT)	International	University of Kalyani & Computer Society of India	25-27 February, 2021
Abhishek Das	Invited Speaker and Resource Person at FDP on New Trends in Machine Learning (NTML2021)	National	NIT, Kolkata	22-26 March, 2021
Ayatullah Faruk Mollah	Dynamic hand gesture recognition of the days of a week in Indian Sign Language using low-cost depth device	9th International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA-2021)	NIT Mizoram	25-26 June, 2021
Ayatullah Faruk Mollah	An ensemble approach to feature selection and pattern classification	International Conference on Contemporary Issues in Engineering and Technology (CIET-2021)	GNA University, Punjab	8-9 January, 2021
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	International Conference on Computing & Communication (IC3)	SMIT, India	13-14 July, 2020

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

Name of Sem./Wor./Con./FDP	Funded By	Date	International/ National/State/Webinar
Recent Advances in High-Performance Distributed Computing	Aliah University	18.08.2020	Webinar



## 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.

Head of the Department : Pallav Dutta

### 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

### i. 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 and Sharmistha Mandal	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	Biswapriya Chatterjee and Sudipta Debnath	Electrical Engineering	<i>IETE, Journal of Research, Taylor &amp; Francis</i>	0377-2063 (Print) 0974-780X (Online)
Cross-correlation aided fuzzy based relaying scheme for fault classification in transmission lines	Biswapriya Chatterjee and Sudipta Debnath	Electrical Engineering	<i>Engineering Science &amp; Technology, An International Journal, Elsevier</i>	2215-0986
Sequence component based approach for fault discrimination and fault location estimation in UPFC compensated transmission line	Biswapriya Chatterjee and Sudipta Debnath	Electrical Engineering	<i>Electric Power Systems Research, Elsevier</i>	0378-7796
A new protection scheme for transmission lines utilizing positive sequence fault components	Biswapriya Chatterjee and Sudipta Debnath	Electrical Engineering	<i>Electric Power Systems Research, Elsevier</i>	0378-7796
Grey Wolf Optimizer Based PID Controller for Speed Control of BLDC Motor	Pallav Dutta and S.K. Nayak	Electrical Engineering	<i>Journal of Electrical Engineering &amp; Technology, Springerature</i>	Electronic ISSN2093-7423 Print ISSN1975-0102

ii. Book, Book Chapter, etc.

Sl. No.	Name of the teacher	Title of the book/ chapters published	Title of the paper	Title of the proceedings of the conference	Year of publication	ISBN/ISSN number of the proceeding	Name of the publisher
1	Sharmistha Mandal	Dawn S., Balas V., Esposito A., Gope S. (eds) <i>Intelligent Techniques and Applications in Science and Technology. ICIMSAT 2019. Learning and Analytics in Intelligent Systems; vol 12</i>	LMI Based Robust Pendulum System.		2020	Print ISBN978-3-030-42362-9 Online ISBN978-3-030-42363-6	Springer, Cham Control of Inverted

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	05.09.2020
Biswapriya Chatterjee	Cross-correlation based single-phase fault location scheme for transmission lines using one-end voltage	MFIS-2020 (International Conference)	The University of Calcutta	03.10.2020 - 04.10.2020
Rimi Paul	Fractional order Intelligent Controller for Single Tank Liquid Level System	International	Department of Applied Physics, Calcutta University, IEEE instrumentation and Measurement Society [IEEE, CMI]	08.01.2021- 10.01.2021

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

Title of the Seminar/Workshop/ Conference/FDP	Funded By	Date	National/International/ State/Webinar
IoT Day at Aliah University	Aliah University	27.06.2021	Webinar

## 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.

Head of the Department : Quazi Mohammad Alfred

### 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
3	Ikbal Ali	Assistant Professor	MTech	Electronic Devices and Circuits

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
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 Mohammad 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
11	Sk. Babar Ali	Assistant Professor	PhD	—

## 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 :

### i. 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 application	SK. M. Haque and H. Alam	ECE	<i>International journal of RF and Microwave computer aided engineering</i>	1099047X, 10964290
Self-Joule Heating Activated Mask for Combatting COVID-19	B. Ghatak, S. Banerjee, S.B Ali, N. Das, B. Tudu, D. Mandal, and R. Bandyopadhyay	ECE	<i>Nanomedicine</i>	2476-3489
Design of EDFA based 16 channel WDM system using counter directional high pump power	Sekh, Md. Asraful, Rahim, Mijanur, and Begam, Anjumanara	ECE	<i>Journal of Optical Communications</i>	2191-6322

Title of paper	Name of the author/s	Department of the teacher	Name of journal	ISSN number
Slot Antenna Miniaturization Using Folded Slot for ISM Band Applications	H. Alam and SK. M. Haque	ECE	<i>IETE Journal of Research</i>	ISSN-2455-4383 (Print) & E-ISSN: 0974-7338 (Online)
Bandwidth Enhancement and Cross-Polarization Suppression of Slot Antenna	K. M. Parvez and SK. M. Haque	ECE	<i>Electromagnetics</i>	1532527X
Development of a low-cost portable aroma sensing system for identifying artificially ripened mango	B. Ghatak, S. Banerjee, S.B Ali, N. Das, B. Tudu, P. Pramanik, S. Mukherji, and R. Bandyopadhyay	ECE	<i>Sensors and Actuators A: Physical</i>	0924-4247
Design of a self-powered triboelectric face mask	B. Ghatak, S. Banerjee, S.B Ali, R. Bandyopadhyay, N. Das, D. Mandal, and B. Tudu	ECE	<i>Nano Energy</i>	2211-2855

## ii. Book, Book Chapter, etc.

Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Name of the publisher
1	Quazi Mohammad Alfred	Time Delayed Phased Array Antenna System And Its Application	NA	2020	ISBN: 978-620-2-52610-4	Lambert Academic Publishing,
2	Md. Asraful Sekh	Gradient Index Optical Elements- Fabrication and Characteristics	NA	2020	ISBN: 978-620-2-67422-5	Lambert Academic Publishing,

Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Name of the publisher
3	Md. Asraful Sekh	Innovations in Electronics and Communication Engineering, Lecture Notes in Networks and Systems	Investigating Combinational Dispersion Compensation Schemes Using DCF and FBG at Data Rate of 10 and 20 Gbps	2020	978-981-15-3172-9	Springer, Singapore
4	Quazi Mohammad Alfred	Current Research Trends in Biological Science	A Review of the Computational Approach in Prediction of Eukaryotic Promoter Regions	2020	—	Book Publisher International, 2020
5	Somsubhra Talapatra	A Scalable VLSI Architecture for Illumination-Invariant Heterogeneous Face Recognition	A Scalable VLSI Architecture for Illumination-Invariant Heterogeneous Face Recognition	2021	978-981-16-0749-3	Springer, Singapore
6	Quazi Mohammad Alfred	EAIT 2021	Advanced Technique for IoT Applications, Millimeter Wave Based Reliable V2X Communication	2021	—	LNNS, Springer

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

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Quazi Mohammad Alfred	TSN enabled 5G Non Public Network for Smart Systems	International	IIT, Patna	14-16 October, 2020
Quazi Mohammad Alfred	Integrated Access Backhaul Node supporting 5G and IoT Access	International	2020 IEEE 17th India Council International Conference (INDICON), New Delhi	10-13 December, 2020
Md. Asraful Sekh	Invited talk on "Diffusion in Anamorphic GRIN Lens" in online summit of the Conference on Optics and Photonics (COP 2020)	International	STEM, Singapore	26 November, 2020

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

Title of the Seminar/Workshop/Conference/FDP	Funded By	Date	National/International/ State/Webinar
Online Practical Workshop on Arduino with Tinkercad-Open Sourec Real-time Emulator	Aliah University	11.07.2020	National

**9. Students Qualifying in State/National/International Level Examinations**

Name of the Qualifying Student	Year of Qualifying	Level of Exam	Name of Comptetitive Examination
Md. Faruk	2020	National	GATE
Sohel Rana	2021	National	GATE

## 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 inceptioned 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.

Head of the Department : Shamim Haidar

### 3. Academic Programmes Offered :

BTech in Mechanical Engineering

MTech in Mechanical Engineering

PhD in Mechanical Engineering



**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 :****i. International and National Journal**

Title of paper	Name of the author/s	Name of journal	ISSN number
An Alternative Approach for Sand Casting Process by Replacing of Silica Sand with Stone Dust	Ali M.Z., Zaman K., Haque R., and Sekh M. Haidar S.	<i>Indian Science Cruiser</i>	—
Auxiliary power through marine waste heat recovery using a CO <sub>2</sub> -organic cascading cycle.	Mondal S., Datta S., and De S.	<i>Clean Techn Environ Policy</i> 22, 893–906	—

Title of paper	Name of the author/s	Name of journal	ISSN number
Laser beam micro engraving on silicon carbide	Phipon R., Shivakoti I., Kalita K., Kibria G., Sharma A., and Ghadai R. K.	<i>Materials and Manufacturing Processes</i> , 35:	1372-1382
Influence of dielectric conductivity on corner error in wire electrical discharge machining of Al 7075 alloy	Mandal K., Sekh M., Bose D., Mitra S., and Sarkar S.	<i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , Volume 235, Issue 20.	—
Performance assessment of a low-grade heat driven dual ejector vapour compression refrigeration cycle	Mondal S. and De S.	<i>Applied Thermal Engineering</i> 179, 115782	—
Integration of CO <sub>2</sub> power and refrigeration cycles with a desalination unit to recover geothermal heat in an oilfield	Sahana C., De S., and Mondal S.	<i>Applied Thermal Engineering</i> 189, 116744	—
Parametric Influences on Heat Affected Zone in Microchannel Milling Process of Zirconia Ceramic	Biswas O.F., Sen A., Shivakoti I., and Kibria G.	<i>Periodica Polytechnica Mechanical Engineering</i> 65:189-196.	—
Microfluidic concentration enhancement of bio-analyte by temperature gradient focusing via Joule heating by DC plus AC field: A numerical approach	Dutta A., Santra A.K., and Genguly R.	<i>Journal of thermal science and engineering</i> 13(6): 061002	—
Improvement of surface quality of ti-6al-4v alloy by powder mixed electrical discharge machining using copper powder	Haque R., Sekh M., Kibria G., and Haidar S.	<i>Facta Universitatis Series Mechanical Engineering</i>	—

Title of paper	Name of the author/s	Name of journal	ISSN number
Comparative study of parametric effects on the performance of simple and powder mixed EDM using aluminium and graphite powder on Inconel X750 alloy	Haque R., Sekh M., Kibria G., and Haidar S.	<i>Materials Today : Proceedings.</i> 46 (17)	8366-8373
Density, hardness and wear responses of aluminium-copper-magnesium alloys	Seikh Z., Haque R., Kibria G., Sekh M., and Haidar S.	<i>Materials Today : Proceedings.</i> 47 (10)	2358-2363
Laser Surface Texturing for Biomedical Applications: A Review	Shivakoti I., Kibria G., Das S., Cep R., and Pradhan B.B.	<i>Coatings, 11 (2).</i> :124.	—
Parametric study of surface characteristics of laser micro-channel milling of zirconia (ZrO <sub>2</sub> ) at defocused condition	Faruk Biswas, O., Sen, A., Kibria, G., and Kunar, S.	<i>Materials Today : Proceedings,</i> 47	2288-2292
Influence of maskless electrochemical micromachining process parameters during fabrication of complex micropattern	Kunar, S., Kumar, R., Dash, S., Kibria, G., and Prasad, B.	<i>Materials Today : Proceedings,</i> 47	2426-2430
Improvement in performance criteria of varactor micropattern by pulsed maskless electrochemical micromachining	Kunar, S. and Kibria, G.	<i>Materials Today : Proceedings,</i> 47	2247–2252
Influence of maskless electrochemical micromachining process parameters during microtexturing	Kunar, S. and Kibria, G.	<i>Materials Today : Proceedings,</i> 47	2379–2383
Investigation into Machining Accuracy of Micro Circular Pattern Fabricated by Maskless Electrochemical Micromachining	Kunar, S., Tiwary, A. P., Kibria, G., and Prasad, B. V.	<i>Journal of Engineering Science and Technology Review,</i> 14(4), 99–104.	—

Title of paper	Name of the author/s	Name of journal	ISSN number
Generation of Microtextured Characteristics using Maskless Electrochemical Micromachining	Kunar, S., Kibria, G., and Shivakoti, I.	<i>IOP Conference Series : Materials Science and Engineering</i> , 1166(1), 012030	—
Optimum operation of a novel ejector assisted flash steam cycle for better utilization of geothermal heat.	Mondal S., Sahana C., and De S.,	<i>Energy Conversion and Management</i> 253, 115164	—
Strategic integration of single flash geothermal steam cycle (SFGSC) and ejector assisted dual-evaporator organic flash refrigeration cycle (EADEOFRC) for power and multi-temperature cooling : 2nd law performance study	Mondal S., Sahana C., and De S.	<i>International Journal of Green Energy</i> 19 (13)	1415-1427

ii. Book, Book Chapter, etc.

Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Name of the publisher
1	Golam Kibria (Eds.) and Bijoy Bhattacharyya (Eds.),	<i>Accuracy Enhancement Technologies for Micro-machining Processes</i>	NA	2020	978-981-15-2116-4 978-981-15-2117-1	Springer
2	Kibria, G., Doloi, B., and Bhattacharyya, B.	<i>Accuracy Enhancement Technologies for Micro-machining Processes. Lecture Notes in Mechanical Engineering</i>	Improvement in Surface Finish and Geometrical Accuracy by Laser Micro-turning. <a href="https://doi.org/10.1007/978-981-15-2117-1_7">https://doi.org/10.1007/978-981-15-2117-1_7</a>	2020		Springer

Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Name of the publisher
3	Mondal S. and De S.	<i>Encyclopedia of Renewable and Sustainable Materials 3</i>	Power and Other Energy Utilities From Low Grade Waste Heat – Novel Technologies to Reduce Carbon Footprint <a href="https://doi.org/10.1016/B978-0-12-803581-8.11037-9">https://doi.org/10.1016/B978-0-12-803581-8.11037-9</a>	2020	—	Elsevier
4	Sekh, M.	<i>Accuracy Enhancement Technologies for Micro-machining Processes</i>	Improvement of Profile Accuracy in WEDM—A Novel Technique <a href="https://doi.org/10.1007/978-981-15-2117-1_4">https://doi.org/10.1007/978-981-15-2117-1_4</a>	2020	978-981-15-2116-4	Springer
5	S. Das (Eds.), G. Kibria (Eds.), B. Doloi (Eds.), and B. Bhattacharyya (Eds.)	<i>Advances in Abrasive Based Machining and Finishing Processes</i>	NA	2020	978-3-030-43312-3978-3-030-43311-6	Springer
6	G. Kibria, I. Shivakoti, S. Das, B. Doloi, and B. Bhattacharyya	<i>Advances in Abrasive Based Machining and Finishing Processes</i>	Introduction to Abrasive Based Machining and Finishing	2020	978-3-030-43312-3978-3-030-43311-6	Springer
7	Md. Kamaruzzaman and R. Haque	<i>Handbook of Research on Advanced Mechatronic Systems and Intelligent Robotics</i>	Design and Implementation of a Wireless Robot for Image Processing DOI: 10.4018/978-1-7998-0137-5	2020	17998013739781799801375	

Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Name of the publisher
8	S. Das, S. Kumar, G. Kibria, and B. Doloi, B.	<i>Advances in Abrasive Based Machining and Finishing Processes</i>	Advancement in Ultrasonic Machining for 3D Profile Cutting	2020	978-3-030-43312-3978-3-030-43311-6	Springer
9	I. Shivakoti, G. Kibria, B. B. Pradhan, and A. Sharma	<i>Advances in Greener Energy Technologies</i>	Experimental Investigation and Fuzzy-Based Modeling of Micro-EDM Process Parameter DOI: 10.1007/978-981-15-4246-6	2020	978-981-15-4245-9978-981-15-4246-6	Springer
10	O. F. Biswas, A. Sen, G. Kibria, B. Doloi, and B. Bhattacharyya	<i>Advances in Materials and Manufacturing Engineering. Lecture Notes in Mechanical Engineering</i>	Parametric Analysis on Surface Roughness of Micro-channel by Fiber Laser Milling on Zirconia (ZrO <sub>2</sub> ). DOI: 10.1007/978-981-15-1307-7_10	2020	978-981-15-1306-0978-981-15-1307-7	Springer
11	Mondal S. and De S.	<i>Engine Modeling and Simulation</i>	Diesel Engine Waste Heat Recovery Schemes for Improved Fuel Economy and Reduced Emissions: Simulation Results <a href="https://doi.org/10.1007/978-981-16-8618-4_13">https://doi.org/10.1007/978-981-16-8618-4_13</a>	2021	978-981-16-8617-7978-981-16-8620-7	Springer

## 7. Paper Presentation/Invited Talk :

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Golam Kibria	Laser Micromachining : Fundamental & Research Issues (Invited Talk)	National	Calcutta Institute of Technology, Howrah	5 August, 2020
Golam Kibria	Introduction and Research Perspective of Micromachining Processes (Invited Talk)	National	Regent Education and Research Foundation, Barrackpore	20 August, 2020
Rafiqul Haque	Comparative Study of Parametric Effects on the Performance of Simple and Powder Mixed EDM using Aluminium and Graphite Powder on Inconel X750 Alloy	International	VIT, Vellore, India	19-21 March, 2021
Rafiqul Haque	Development and WEDM Machining Performance of Al Based Metal Matrix Composites with Rice Husk Ash	International	Akshaya College of Engineering & Technology, Coimbatore, India	15-16 April, 2021

## **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.

Head of the Department : Saidur Rahaman

### 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	PhD	—
2	Md. Jahangir Alom	Assistant Professor	PhD	—
3	Meraj Ahmad	Assistant Professor	PhD	—
4	Mohammad Maseehur Rahman	Professor	PhD	—
5	Rizwanul Haque	Assistant Professor	PhD	—
6	Saidur Rahman	Assistant Professor	PhD	—
7	Salimuddin	Assistant Professor	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 :

### i. International and National Journal

Title of paper	Name of the author/s	Department of the teacher	Name of journal	ISSN number
Al-Lughatul Arabiyatu Roohul Qurane wa Jismul Islame	Meraj Ahmad	Arabic	<i>Majallah Al-Tilmeez</i>	2394-6628
As-saquafatul Islamiyatu Maalimuha wa Ahdafuha	Meraj Ahmad	Arabic	<i>Al- Baas- El-Islami</i>	2347-2456
Contribution of Indian Scholars to Arabic Fiqh Literature: A Mediaval Historical Perspective	Md. Jahangir Alom	Arabic	<i>International Journal of Psychosocial Rehabilitation</i>	1475-7192
Jabir Ibn Hayyan: The Precursor of Modern Chemistry Historical Perspective	Md. Jahangir Alom	Arabic	<i>International Journal of Mechanical Engineering</i>	0974-5823
Tauteedul Alaqaat Al-Hinduyyah wal Arabiyyah Min Khilali Kitab "Masalati Khilafat Li Maulana Abul Kalam Azad"	Rizwanul Haque	Arabic	<i>Naqeebul Hind</i>	2455-5894

## 7. Paper Presentation/Invited Talks :

Name of the Faculty Memeber	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Saidur Rahman	Arabic Language in the World (Invited Lecture)	International	MES MAMPAD College	18.12.2020

## 8. Students Qualifying in State/National/International Level Examinations

Name of the Qualifying Student	Year of Qualifying	Level of Exam	Name of Competetive Examination
Md. Almomtajul Alamin Gazi	2020	National	NET
Sofiullah Momin	2020	National	NET
Golam Yeasani	2021	National	NET

## 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.

Head of the Department : Saifulla

### 3. Academic Programmes Offered :

3-year BA (Honours) in Arabic

2-year MA in Arabic

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	PhD	Folk Literature
2.	Anisur Rahaman	Assistant Professor	PhD	Linguistics, Modern Bengali Literature
3.	Ankana Betal	Assistant Professor	PhD	Tagore Literature, Modern Bengali Literature
4.	Chandmala Khatun	Assistant Professor	MPhil	Medieval and Modern Bengali Literature
5.	Mir Rejaul Karim	Professor	PhD	Linguistics, Medieval Bengali Literature
6.	Saifulla	Professor	PhD	Linguistics, Medieval Bengali Literature

## 5. Reputed Research Publications :

### i. International and National Journal

Title of paper	Name of the author/s	Department of the teacher	Name of journal	ISSN number
Bangladesher Upanyase Nimnabargio Manusher Jiban Chetana	Anisur Rahaman	Bengali	<i>Tabu Ekalabya</i>	0976-9463
Bagladesher Bhashacharchar Ruparekha: Ekti Samiksha	Mir Rejaul Karim	Bengali	<i>Chaturtha Barta</i>	2319-1325
Mahasweta Devir Shalgirar Dake Upanyase Saotal Bidraho	Anisur Rahaman	Bengali	<i>Tabu Ekalabya</i>	0976-9463
Amar Mitrer Momensahi Upakhyan Uponyas: Maymonsingha Gitikar Binirman	Anisur Rahaman	Bengali	<i>Ebang Mahuya</i>	—
Saikat Rakshiter Madanbheri Upanyase Ghasi Sampradayer Swar O Sangkat	Anisur Rahaman	Bengali	<i>Ebang Mahuya</i>	—
Joy Goswamir Bhenge Jawar Pore Upanyase Narir Swatantra Swarer Anweshan	Anisur Rahaman	Bengali	<i>Ebang Mahuya</i>	—
Shahin Akhtarer Talash Upanyase '71 O '71 Parabarti Biranganader Anweshan	Anisur Rahaman	Bengali	<i>Ebang Mahuya</i>	—
Saikat Rakshiter Nirbachito Upanyas: Antebasi Manusher Akhyan	Anisur Rahaman	Bengali	<i>Ebang Mahuya</i>	—
Kalpabijnane Bhingrohir Upasthapon: Koyekoti Parjabekshan	Ankana Betal	Bengali	<i>Ebang Mahuya</i>	—
Dwitiyo Biswajuddha Purbabarti Bangla Kalpabijnan: Upanibeshar Swar	Ankana Betal	Bengali	<i>Ebang Mahuya</i>	—
Indira Overbrij Upanyase Jiban O Samaj Bastabata	Chandmala Khatun	Bengali	<i>Ebang Mahuya</i>	—

Title of paper	Name of the author/s	Department of the teacher	Name of journal	ISSN number
Chakma Upojatir Samaj Jibon O Sanskriti: 'Gomoti' Upanyaser Alope	Chandmala Khatun	Bengali	<i>Ebang Mahuya</i>	—
Jhumur Pandeyr Ganggatha Upanyase Samajbastabata	Chandmala Khatun	Bengali	<i>Ebang Mahuya</i>	—
Adivasi Janajiban O Samaj-Sanskriti: 'Khong' Upanyaser Alope	Chandmala Khatun	Bengali	<i>Ebang Mahuya</i>	—
Upajatir Jiban O Samaj Sanskriti: 'Takhaparar Itikatha Upanyaser Alope'	Chandmala Khatun	Bengali	<i>Ebang Mahuya</i>	—

ii. Book, Book Chapter, etc.

Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Name of the publisher
1	Abdur Rahim Gazi	<i>Sahitya O Sanskriti : Banglar Milan Setu</i>	Adhunik Bangla Nataka Lokoangiker Pratifalan	2020	978-81-949432-9-7	Pari
2	Mir Rejaul Karim	<i>Bhashacharcha Manane, Kathane O Prayoge</i>	Bhumika	2020	978-93-83816-01-9	The Shee Book Agency
3	Saifulla	<i>Titumir</i>	—	2020	—	Paschimbanga Sankhyalaghu Unnayan O Bitta Nigam
4	Abdur Rahim Gazi	<i>Sundarban Kendrik Upanyase Manusher Astitwa Rakshar Sangram</i>	Bhumika	2021	978-81-951294-1-6	Samakaler Jiyankathi Prakashan

Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Name of the publisher
5	Saifulla	<i>Ekush Shataker Bangla Upanyas: Anweshon Bikshan</i>	Ismail Darbeshher Talasnama: Anyo Akhyan, Ekanto Bikshan	2021	978-81-94502-12-8	Book Space
6	Saifulla	<i>Sanskritik Agrasan O Bangla Bhasha</i>	Sanskritik Agrasaner Parampara O Bangla Bhashar Path Chala	2021	978-93-91048-02-0	Bhasha Sansad

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

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Abdur Rahim Gazi	Uttarbanger Lokosangit	Webinar	Govt General Degree College, Singur	21.07.2020
Abdur Rahim Gazi	Sampriti Darshaner Aloke Bangla Chotogalpo	Webinar	Dinabadhu Mahavidyalaya, Bangaon	24.09.2020
Abdur Rahim Gazi	Rabindranath O Banglar Lokosanskriti	National Level Webinar	Centre for the Folklore Studies and Research	10.01.21
Abdur Rahim Gazi	Rafikul Islam Khonj Memorial Lecture 2021	Seminar	Lalgola, Murshidabad	23.01.2021
Ankana Betal	Jaibasantraser Galpamala	Webinar	Department of ICL, RNT School of Indian Languages and Culture Studies, Assam University, Silchar	30.7.2020
Anisur Rahaman	Amar Mitrer Nirbachito Upanyase Deshobhag : Pratyasha O Prapti	Webinar	Department of Bengali and History, Subhas Chandra Bose Centenary College, Murshidabad	15.09.2020 - 16.09.2020

## 7. Students Qualifying in State/National/International Level Examinations

Name of the Qualifying Student	Year of Qualifying	Level of Exam	Name of Competitive Examination
Md. Shunwaj Islam Molla	2020	National	NET
Rajes Ali	2020	State	WBSET
Hena Kabir	2020	State	WBSET
Hasibur Rahaman	2020	State	WBSET
Mamud Hossain	2020	State	WBSET
Monoara Khatun	2020	State	WBSET
Ayesha Khatun	2020	State	WBSET
Abdus Samim Sk	2020	State	WBSET
Sk. Munna Azharuddin	2020	State	WBSET
Nasrin Khatun	2020	State	WBSET
Sk. Alauddin	2020	State	WBSET
Mijanur Rahaman	2020	State	WBSET
Arju Khan	2021	National	NET
Saju Rahaman	2021	National	NET
Md. Shunwaj Islam Molla	2021	National	NET



## 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.

Head of the Department : Shashi Bhusan Mishra

### 3. Academic Programmes Offered :

UG

PG

PhD

### 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

## 6. Reputed Research Publications :

### i. Book, Book Chapter, etc.

Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Name of the publisher
1	Shashi Bhusan Mishra	<i>Inter-disciplinary 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.	2020	9781799803157	IGI Global, USA

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

Title of the Sem./Wor./Con./FDP	Funded By	Date	International/National/State/Webinar
Economic Impact of Covid-19 on India	Self	26/06/2020	Webinar

## 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.

Head of the Department : Md. Jamal Uddin

### 3. Academic Programmes Offered :

UG

PG

PhD

### 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 :

### i. International and National Journal

Title of paper	Name of the author/s	Department of the teacher	Name of journal	ISSN number
Task-Based Language Teaching for improving Speaking Fluency: Case Study of Trainee Teachers in West Bengal.	Shazia Hasnain	BEd	<i>World Futures</i> (Taylor and Francis)	Print ISSN: 0260-4027 Online ISSN: 1556-1844

Title of paper	Name of the author/s	Department of the teacher	Name of journal	ISSN number
Impact of Pedagogical Practices on Academic Achievement and Thinking Style of Learners in Physical Science	Md. Jamal Uddin	BEd	<i>International Journal of Advanced Education and Research</i>	2455-5746
Minorities in higher Education : Representation, Problems and Issues with special reference to Muslim minority community	Mr. Kaji Abdul Kafi	BEd	<i>International journal of Research and Analytical Reviews</i>	2348-1269/ 2349-5138

## ii. Book, Book Chapter, etc.

Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Name of the publisher
	Md. Jamal Uddin	<i>Learning and Teaching (for B.Ed. 2nd Semester)</i>	—	2021	81-89169-83-1	Aaheli Publishers
	Md. Jamal Uddin	<i>Pedagogy of Teaching Science (Physical Science) for B.Ed. 2nd Semester)</i>	—	2020	81-89169-33-5	Aaheli Publishers

## 6. Paper Presentation/Invited Talk :

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institute	Date
Minara Yeasmin	Teachers' Professional Development Through Open and Distance Education	National	University of Mumbai Institute of Distance and Open Learning (IDOL) in association with Indian Distance Education Association (IDEA) & Commonwealth Educational Media Centre for Asia (CEMCA)	17 -18 July, 2020

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

Title of the Sem./Wor./Con./FDP	Funded By	Date	International/National/State/Webinar
Impact of COVID -19 Pandemic on Education and Socioeconomic Development : Challenges and Best Practices	Aliah University	18-19 July, 2020	International Webinar
Parenting , Schooling and Cognition	Aliah University	10-11 January, 2021	National Seminar

## 8. Students Qualifying in State/National/International Level Examinations

Name of the Qualifying Student	Year of Qualifying	Level of Exam	Name of Competetive Examination
Md. Sajid	2020-2021	National	NET-JRF, (MANF), SET

## 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.

Head of the Department : Tajuddin Ahmed

### 3. Academic Programmes Offered :

BA (Hons.), MA in English, PhD

### 4. Faculty Members :

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

Sl. No.	Name	Designation	Academic Qualification	Area of Specialization (If any)
2	Hasina Wahida	Assistant Professor	MA, PhD	Post 1950s British literature, American Literature
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	Eco-criticism, Gender Studies, Modern Linguistics and English Language Teaching.
6	Sohel Aziz	Assistant Professor	MA, PhD	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
8	Nargis Tabassum	Assistant Professor	MA, PhD	Indian English Drama, Classical European Drama
9	Oindri Roy	Assistant Professor	MA, PhD	Gender and Sexuality Studies, Narrative and Race

## 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, Sexuality Studies, Anthropecene, Dalit Literature, Urban Studies, Waste Studies, Literature of Ethnicity and Identity, Partition Literature, Indian Modernity.



## 6. Reputed Research Publications :

### i. International and National Journal

Sl. No.	Title of paper	Name of the author/s	Name of journal	ISSN number
1	Swami Vivekananda ebong Islam	Tajuddin Ahmed	<i>Desh (ABP Limited)</i>	—
2	Duhsomoy	Tajuddin Ahmed	<i>Desh (ABP Limited)</i>	—
3	Covid uttor bharot ebong online shiksha	Tajuddin Ahmed	<i>Desh (ABP Limited)</i>	—
4	Notun Jatiyo Shiksha Niti	Tajuddin Ahmed	<i>Desh (ABP Limited)</i>	—
5	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
6	Nationalism-Religion Dynamics in Asif Currimbhoy's The Captives.	Amzed Hossein	<i>Literary Voice No. 13, Vol. 1</i>	2277-4521
7	Pramodh Pradhan ebong bangalir rajniti	Tajuddin Ahmed	<i>Desh (ABP Limited)</i>	—
8	Rogbhog, Rajniti	Tajuddin Ahmed	<i>Desh (ABP Limited)</i>	—
9	Bidhi Bam	Tajuddin Ahmed	<i>Desh (ABP Limited)</i>	—
10	Otimarir onishchoyota	Tajuddin Ahmed	<i>Desh (ABP Limited)</i>	—
11	Ek osomo ebong bohumatrik lorai	Tajuddin Ahmed	<i>Desh (ABP Limited)</i>	—
12	Bishwash bhonger akhyan	Tajuddin Ahmed	<i>Desh (ABP Limited)</i>	—
13	"An Interview about Posthumanism in a Time of Crisis" by Francesca Ferrando, Rohan Hassan, and Helen Ducros	Rohan Hassan	<i>Europe Now</i>	—
14	Bridging the Gaps : Towards a New Paradigmatic Interface of Comparative Literature and Translation Studies	Oindri Roy	<i>Journal of Comparative Literature and Aesthetics Vol : Spring 44(1)</i>	0252-8169

ii. Book, Book Chapter, etc.

Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Name of the publisher
1	Sharmistha Chatterjee (Edited)	<i>Revisiting Partition and Bangladesh Liberation War</i>	—	2020	978-93-88998-93-2	Akhand Publication, New Delhi and NSOU
2	Oindri Roy	<i>The Dynamics of Gender : New Approaches in Feminism</i>	How Queer is an Indian Hijra? : A Comparative Inquiry into Transgender Selves as the Autobiographical Personal and the Theoretical Emergences in Queer Studies"	2020	978-81-943450-7-7	Vishvanatha Kaviraja Institute, New Delhi
3	Oindri Roy	<i>Art and Aesthetics of Modern Mythopoeia : Literatures, Myths and Revisionism</i>	Transformative Corporeality vis-à-vis Love In Mythological Retellings : A Comparative Inquiry into Indian Revisionist Mythology	2020	978-81-945995-1-7.	Vishvanatha Kaviraja Institute, New Delhi

Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Name of the publisher
4	Amzed Hossein	<i>The World of Agha Shahid Ali</i> , Eds. Ghosh, Tapan Kumar and Sisir Kumar Chatterjee	Beginnings : A Journey with Micro-narratives	2021	9781438481456	State University of New York Press, Albany, USA
5	Sharmistha Chatterjee	<i>Order and Ordering : An Interdisciplinary Companion</i> Eds. Sarkar & Munshi	Baul and Marafati oral tradition and its impact on Partition of Bengal	2021	978-3-8382-1462-7	Ibidem, Germany
6	Nargis Tabassum	<i>Blues of Covid 19 : Tiding Over the Pandemic Waves</i> Ed. Durga Patva	Teaching in the Time of Corona : Challenges and Heuristics	2021	9789388804936	Adhyayan Publications
7	Nargis Tabassum	<i>Darshana-chintay Samaj O Naitikta</i> Ed. Bimal Banerjee	The # Me Too Movement : Stumbling Block/Stepping Stone	2021	9789390537365	24 by 7 Publishing
8	Nargis Tabassum	<i>The Royallite Guide to Literary Theory and Criticism</i> Eds. Iram Fatima and M. Subha	A Cry in Wilderness : Strands of Ethnicity and Feminism in Shaoli Mitra's Nathabati Anathabat (Five Lords, Yet None a Protector]	2021	9798409047771	Royallite Academic, Nairobi

## 7. Paper Presentation/Invited Talk :

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Sharmistha Chatterjee	Of Sickness, Pestilence, Arts and Letters	State	Bhangar Mahavidyalaya, West Bengal	22 August, 2020
Sharmistha Chatterjee	The Ecogothic : Looking back afresh		Amity Institute of English Studies and Research, Amity University, Kolkata	14 July, 2021
Nargis Tabassum	Teaching in the Time of Corona : Challenges and Heuristics	International	Department of English and IQAC, Bishop Cadwell College (Affiliated to Manonmaniam Sundaranar University), Maravanmadam	28 July-3 August, 2020
Nargis Tabassum	Stumbling Blocks to Online English Classroom in India : Sailing through the Pandemic	National	Department of English, Government Lahiri P.G.College, Chirimiri, Chattisgarh	20-26 August, 2020
Nargis Tabassum	Communication Skills	National	Department of English, Government R.B.R.N.E.S.P.G. College, Jaspur Nagar, Chattisgarh	12 October, 2020
Tajuddin Ahmed	Rediscovering Iqbalunnisa Hussain	National	UGC, HRDC University of Burdwan	13 March, 2021

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

Title of the Sem./Wor./Con./FDP	Funded By	Date	International/National/ Webinar
Three day International Webinar on Planetary Crisis and the humanities : Prospects in Theory and Praxis	Department of English, Aliah University	28-30 August, 2020	International (Online mode)

**9. Students Qualifying in State/National/International Level Examinations**

Name of the Qualifying Student	Year of Qualifying	Level of Exam	Name of Competitive Examination
Ayesha Ashraf	2020-2021	National	NET
Rifat Ara Khatun	2020-2021	National	NET
Ayesha Siddika	2020-2021	National	NET
Shahrukh Khan	2020-2021	National	NET
Saif Mahammad	2020-2021	National	NET
Tania Sultana	2020-2021	National	NET
Farhana Khatun	2020-2021	National	NET

## 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.

Head of the Department : A. K. M. Anwaruzzaman

### 3. Academic Programmes Offered :

3 Year B.A./B.Sc. (Hons.) in Geography

2-Year M.A./M.Sc in Geography

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	Md. Mustaquim	Assistant Professor	PhD	Population Geography
5	Moududa Khatun	Assistant Professor	PhD	Urban Planning
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 :****i. International and National Journal**

Sl. No.	Title of paper	Name of the author/s	Name of journal	ISSN number
1	Drivers of water pollution and evaluating its ecological stress with special reference to macrovertebrates (fish community structure): a case of Churni River, India.	Biplab Sarkar and Aznarul Islam	<i>Environmental Monitoring and Assessment</i>	0167-6369
2	Morphometry as tool to trace out the genealogy of oxbow lake.	Balai Chandra Das, Aznarul Islam, and Biswajit Biswas	<i>Environmental Earth Sciences</i>	1866-6280
3	Characterizing cross-sectional morphology and channel inefficiency of lower Bhagirathi River, India, in post-Farakka barrage condition.	Aznarul Islam and Sanat Kumar Guchhait	<i>Natural Hazards</i>	0921-030X
4	Drainage basin morphometry and evaluating its role on flood inducing capacity of tributary basins of Mayurakshi River, India.	Aznarul Islam and Suman Deb Barman	<i>SN Applied Sciences</i>	2523-3971
5	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 Natalty the Women	Khan, S. and Anwaruzzaman, A. K. M.	<i>Indian Journal of Spatial Science, Vol. 11, No. 2 (Autumn Issue), pp. 61-66</i>	ISSN 2249-3921 (Print) and ISSN 2249-4316 (Online)

Sl. No.	Title of paper	Name of the author/s	Name of journal	ISSN number
6	Risk and Vulnerability of Migrant Labours from West Bengal and their Life Satisfaction during Pandemics of COVID-19: A Case Study, pp. 40-45	Mustaquim, M., and Islam, W.	<i>Asian Review of Social Sciences, Vol. 9, No.2</i>	2249-6319
7	Female-Headed Households in India: An Eagle's View from 2011 Census	Banu, N. and Mistri, A.	<i>Asian Profile</i>	03048675
8	An Analysis of Urban Sprawl and prediction of future urban town in urban area of developing nation: case study in India	Hasnine M. and Rukhsana	<i>Journal of the Indian Society of Remote Sensing, Springer Nature Switzerland AG</i>	0974-3006
9	Urbanization Scenario in the selected districts in and around the Kolkata Metropolitan Area (KMA)	Hasnine M. and Rukhsana	<i>Indian Journal of Spatial Science</i>	2249- 3921
10	Analysing flood history and simulating the nature of future floods using Gumbel method and Log-Pearson Type III: the case of the Mayurakshi River Basin, India	Aznarul Islam and Biplab Sarkar	<i>Bulletin of Geography. Physical Geography Series</i>	2080-7686
11	Economic transformation in the wake of flood: A case of the lower stretch of the Mayurakshi River Basin, India	Aznarul Islam and Susmita Ghosh	<i>Environment Development and Sustainability</i>	1387-585X
12	Evaluating the ground-water quality of Damodar Fan Delta (India) using fuzzy-AHP MCDM technique	Sadik Mahammad and Aznarul Islam	<i>Applied Water Science</i>	2190-5495
13	Identification of palaeo-channels using optical images and radar data: A study of the Damodar Fan Delta, India	Sadik Mahammad and Aznarul Islam	<i>Arabian Journal of Geosciences</i>	1866-7511



Sl. No.	Title of paper	Name of the author/s	Name of journal	ISSN number
14	Seawater intrusion into groundwater and its impact on irrigation and agriculture: Evidence from the coastal region of West Bengal, India	Biplab Sarkar, Aznarul Islam, and Arijit Majumder	<i>Regional Studies in Marine Science</i>	2352-4855
15	Evaluating the spatio-temporal development of coastal aquaculture: An example from the coastal plains of West Bengal, India	Bhanu Kumar Mandal, Aznarul Islam, Biplab Sarkar, and Abdur Rahman	<i>Ocean &amp; Coastal Management</i>	0964-5691
16	Role of declining discharge and water pollution on habitat suitability of fish community in the Mathabhanga-Churni River, India	Biplab Sarkar, Aznarul Islam, and Balai Chandra Das	<i>Journal of Cleaner Production</i>	0959-6526
17	Assessing the suitability of groundwater for irrigation in the light of natural forcing and anthropogenic influx: A study in the Gangetic West Bengal, India	Biplab Sarkar and Aznarul Islam	<i>Environmental Earth Sciences</i>	1866-6280
18	Demographic Characteristics of Population and their Physiographic Correlates in the Ganges Basin: A District Level Analysis	Anwaruzzaman, A. K. M. and Khan, Soleman	<i>Population Geography, Vol. 43 (1), June, 2021, pp. 81-88</i>	0375-6386
19	Ethical Issues Related to Relief and Rehabilitation of Bank Erosion and Flood Victims in Malda District in West Bengal, India	Anwaruzzaman, A. K. M. and Biswas, Rubia	<i>The Geographical Review of India, Vol. 83, No. 1, March, 2021 pp.19-34</i>	0375-6386
20	Role of Education in Determining Fertility Level Among the Muslim Women in the Rural Areas of West Bengal	Anwaruzzaman, A. K. M. and Khan, Soleman	<i>Punjab Geographer, Vol.17 No. October, pp.109-125</i>	0973-3485

Sl. No.	Title of paper	Name of the author/s	Name of journal	ISSN number
21	Status of Child Health in Rural West Bengal: A District Level Analysis	Anwaruzzaman, A. K. M. and Pal, Sohini	<i>Population Geography, Vol. 43(2), pp. 59-71</i>	0375-6386
22	Slums in India: making sense of place in urban planning	Islam, J., Ali, M. J., and Mithun, S.	<i>GeoJournal</i>	0343-2521 (print) 1572-9893 (web)
23	Socio-Economic Disparities in Rural Areas of Murshidabad District: A Block Level Study, pp. 24-30	Mustaquim, M. and Hasan, H.	<i>Shodh Sarita, Vol. 8, Issue 29 (January-March, 2021)</i>	2348-2397
24	Disparities of Well-being Between the Female-headed ST and Non-ST Households: A State-wise Overview in India.	Biswas, B. and Banu, N.	<i>Contemporary Voice of Dalit</i>	2456-0502
25	Investigating the Suitability for Rice Cultivation Using Multi-Criteria Land Evaluation in the Sundarban Region of South 24 Parganas District, West Bengal, India	Rukhsana, Molla, S.H.	<i>Journal of the Indian Society of Remote Sensing</i>	0255-660X
26	An Assessment of Disparities in Diversity of Crop at Block Level in West Bengal	Rukhsana	<i>Acta Scientific Agriculture</i>	2581-365X

## ii. Book, Book Chapter, etc.

Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Name of the publisher
1	Islam, A.	<i>Anthropogeomorphology of Bhagirathi-Hooghly River System in India</i>	—	2020	9780367861025	CRC Press, Taylor & Francis, USA
2	Islam, A.	<i>Anthropogeomorphology of Bhagirathi-Hooghly River System in India</i>	An Appraisal Anthropogeomorphology in the Bhagirathi – Hooghly River Basin: Concepts, Ideas and Issues	2020	9780367861025	CRC Press, Taylor & Francis, USA
3	Islam, A.	<i>Anthropogeomorphology of Bhagirathi-Hooghly River System in India</i>	Anthropogeomorphology of the Bhagirathi River	2020	9780367861025	CRC Press, Taylor & Francis, USA
4	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	2020	9780367861025	CRC Press, Taylor & Francis, USA
5	Islam, A.	<i>Anthropogeomorphology of Bhagirathi-Hooghly River System in India</i>	Anthropo-Footprints on Churni River: A River of Stolen Water	2020	9780367861025	CRC Press, Taylor & Francis, USA

Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Name of the publisher
6	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	2020	978-3-030-23242-9	Springer, Cham
7	Islam, A., Ghosh, S., and Barman, S. D.	<i>Spatial Modelling of Flood Risk and Flood Hazards: Societal Implications</i>	Rural–Urban Differential in Flood Vulnerability and Community Preparedness for Flood Management Strategies		978-3-030-94543-5	Springer, Cham
8	Rukhsana	<i>Habitat, Ecology and Ekistics</i>	Population pressure and Urban Sprawl in selected Municipality of Kolkata Metropolitan Area: West Benga	2020	978-3-030-49114-7	Springer International Publishing AG, Cham
9	Rukhsana	<i>Habitat, Ecology and Ekistics</i>	An Overview of the Concept of Habitat, Ecology and Ekistics.	2020	978-3-030-49114-8	Springer International Publishing AG, Cham

Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Name of the publisher
10	Rukhsana	<i>Habitat, Ecology and Ekistics</i>	Assessment of Carbon Footprint across Households in Selected Ward of Kolkata Municipal Corporation	2020	978-3-030-49114-9	Springer International Publishing AG, Cham
11	Rukhsana	<i>Habitat, Ecology and Ekistics: Case Studies of Human-Environment Interactions in India in Advances in Asian Human-Environmental Research</i>	—	2020	978-3-030-49114-9	Springer Nature Switzerland AG Chem
12	Rukhsana	<i>Land Suitability Appraisal for the Growth of Potato Cultivation: A Study of Sagar Island, India.</i>	—	2020	978-1-119-68711-5	Scrivener Publishing LLC (Wiley Online Library)
13	Rukhsana	<i>Assessment of Carbon Footprint Across Households In Selected Ward of Kolkata Municipal Corporation</i>	—	2020	978-3-030-49114-7	Springer International Publishing AG, Cham.

Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Name of the publisher
14	Rukhsana	<i>Population pressure and Urban Sprawl in selected Municipality of Kolkata Metropolitan Area: West Bengal</i>	—	2020	978-3-030-49114-7	Springer International Publishing AG, Cham
15	Rukhsana, and A. Alam	<i>Agriculture, Food and Nutrition Security: Case Study of Availability and Sustainability in India</i>	—	2020	978-3-030-69333-6.	Springer Nature Switzerland AG Chem, 2020 AG.
16	Islam, A., Das, B. C., Mahammad, S., Ghosh, P., Barman, S. D., and Sarkar, B	<i>Forest resources resilience and conflicts</i>	Deforestation and its impact on sediment flux and channel morphodynamics of the Brahmani River Basin, India	2021	978-0-12-822931-6	Elsevier.
17	Mahammad, S., and Islam, A.	<i>Groundwater and Society: Applications of Geospatial Technology Assessing the groundwater potentiality of the Gumani River Basin, India, using geoinformatics and analytical hierarchy process.</i>	—	2021	978-3-030-64135-1	Springer, Cham

Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Name of the publisher
18	Islam, A., Ghosh, S., and Barman, S. D.	<i>Spatial Modelling of Flood Risk and Flood Hazards: Societal Implications</i>	Rural–Urban Differential in Flood Vulnerability and Community Preparedness for Flood Management Strategies	—	978-3-030-94543-5	Springer, Cham
19	Anwaruzzaman, A. K. M.	<i>Sustainable Habitat: Planning and Geography</i>	Regional Pattern of Availability of Selected Amenities and Services in Urban Areas with Special Emphasis on Housing: A Comparative study of India and West Bengal	2021	978-81-927014-4-8	IEPER, Panchkula
20	Mustaquim, M.	<i>Sustainable Development, Environmental Issues and Self-sustained Society</i>	Muslims in Higher Education in India: A Geographical Analysis, pp. 184-202	2021	978-81-951923-4-2	RK Books, New Delhi

Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Name of the publisher
21	Rukhsana	<i>Nature and Dimensions of Agriculture, Food and Nutrition Security</i>	—	2021	-978-3-030-69333-6	Springer International Publishing AG, Cham.
22	Rukhsana	<i>Impact of Microclimate on Agriculture in India: Transformation and Adaptation</i>	—	2021	978-3-030-69333-6	Springer International Publishing AG, Cham.
23	Rukhsana	<i>Household analysis of Crops Diversification and Socio-Economic Classifications of Agriculture Practitioners</i>	—	2021	978-3-030-69333-6	Springer International Publishing AG, Cham.
24	Rukhsana	<i>Land suitability evaluation for agricultural crops in selected blocks of South 24 Parganas District, West Bengal</i>	—	2021	978-3-030-69333-6	Springer International Publishing AG, Cham.
25	Rukhsana	<i>Agriculture Production, Trends and cropping pattern of Major Crops in Western Utter Pradesh</i>	—	2021	978-3-030-69333-6	Springer International Publishing AG, Cham.



Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Name of the publisher
26	Rukhsana	<i>Assessment of Food Security Using Geospatial Techniques in Rural India: A study from Koch Bihar, West Bengal</i>	—	2021	978-3-030-69333-6	Springer International Publishing AG, Cham.
27	Rukhsana	<i>Problem and Prospect of Food Security in India</i>	—	2021	978-3-030-69333-6	Springer International Publishing AG, 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	Fertility of Muslims in selected CD Blocks of West Bengal - A Gender Perspective	International	Department of English, Malda College, Malda	09 March, 2021
A. K. M. Anwaruzzaman	Climate Change : Farmers' Perspective	International	Department of Geography, Jamia Millia Islamia, New Delhi	15 March, 2021
Md. Julfikar Ali	Assessment of Land Use and Land Cover Change Using Remote Sensing and GIS Technique : A Case Study of Kolkata Municipal Corporation of West Bengal	International-India	Geography as a Discipline : Opportunities and Challenges	25-26 August, 2020

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/State	Organizing Institution	Date
Md. Julfikar Ali	Conference-Panelist (Panel Discussion-II)	International-India	Geography as a Discipline: Opportunities and Challenges	25-26 August, 2020
Md. Julfikar Ali	Impact of urbanization on vegetation and water cover destruction in KMC: A study based on multitemporal and multispectral satellite data	International-India	Innovation in Disaster Risk Reduction: Aiming Towards a Resilient Society	10-11 September, 2020
Rukhsana	An Analysis of Urban Sprawl and prediction of future urban town in urban area of developing nation: case study in India	International	Dept of Geography, University of Burdhaman	6 August, 2020
Rukhsana	GIS-based multi-criteria soil site suitability evaluation for agricultural use in Sagar Island, West Bengal	International	Centre for Disaster Management Department of Geography (UGC DRS SAP-I & FIST Supported) Faculty of Natural Sciences, Jamia Millia Islamia, New Delhi, India	2 March, 2021
Rukhsana	Sir Syed Ahmad Khan (Guest Speaker)	National	Dept of Geography, Karim City College, Jamshedpur, India	16 November, 2020
Aznarul Islam	Global challenges and opportunities in Geography: a twenty first century perspective	National Webinar	Subarnarekha Mahavidyalaya & Geo-passionate's group, West Bengal	15 August, 2020

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/State	Organizing Institution	Date
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
Aznarul Islam	Anthropo-footprints and their impact on forms and processes of the Mayurakshi River Basin, India	International	32 <sup>nd</sup> Indian Institute of Geomorphologists at the West Bengal State University	21-23 January, 2021
Aznarul Islam	Environment : Time to act not thinking	State Web Seminar	Department of Geography, Gour Mahavidyalaya, West Bengal	8 June, 2021
Nasrin Banu	Role of International Border on Healthcare Access in West Bengal, India : A Geographical Analysis	International	Department of Geography (UGC DRS-SAP-I & DST-FIST Supported) Jamia Millia Islamia, New Delhi - 25	25-26 November, 2020
Nasrin Banu	Nexus between Livelihood Assets and Health Well-Being : A Study of Indo-Bangladesh Border	International	Dept. of Geography, University of Alahabad, Prayagraj.	26-28 November, 2020

## 8. Students Qualifying in State/National/International Level Examinations

Name of the Qualifying Student	Year of Qualifying	Level of Exam	Name of Competetive Examination
Muzaffar Mondal	2020	National	UGC NET
Ayesha Siddika	2020	National	UGC NET
Rakib Sarkar	2020	National	UGC NET
Mijanur Mondal	2020	National	UGC NET
Md Hasanujjaman	2020	National	UGC NET
Sabirul sk	2020	National	UGC NET
Samaun Mondal	2020	National	UGC NET
Najib Ansari	2020	National	UGC NET
Achia Khatun	2020	National	UGC NET
Rakib Sk	2021	National	UGC NET
Najib Ansari	2021	National	UGC NET
Arif Iftakar	2021	National	UGC NET
Mohasin Ali Khan	2021	National	UGC NET
Enayet Haque	2021	National	UGC NET
Md Hasannuzzaman	2021	National	UGC NET
Nishan Mallik	2021	National	UGC NET
Mampi Mandal	2021	National	UGC NET
Saleha Khatun	2021	National	UGC NET
Manirul Mia	2021	National	UGC NET
Masud Malitha	2021	National	UGC NET
Sahadullah Sk	2021	National	UGC NET

## 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.

Head of the Department : Md. Shamim Firdous

### 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 :

### i. International and National Journal

Title of paper	Name of the author/s	Name of journal	ISSN number
Banglar Muslim Samaj : Loko Sanskritir Prangane	Md. Shamim Firdous	<i>Tabu Ekalabya</i>	0976-9463
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, Vol.-VII Issue-11</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

Title of paper	Name of the author/s	Name of journal	ISSN number
Postcolonial Aporia in South Asia: A Case Study of Civil-Military Relations in Contemporary India	Manas Dutta	<i>Karatoya: North Bengal University Journal of History</i>	2229-4880
Exploring the India Soldiers Contribution in the Great War, 1914-1918	Manas Dutta	<i>Modern Historical Studies</i>	0972-6756
Sarat Sahitya : Niguda Kholamone O Kshonikotai	Md. Shamim Firdous	<i>Ebong Mohuya</i>	—
Tarasankarer Upponnase Gramin Patobhumi	Md. Shamim Firdous	<i>Ebong Mohuya</i>	—
Unobinsho Shatabdite Bangalar Mussalmander Moddhe Adhunik Shikshar Prosar O Unnayan : Ekti Samiksha	Md. Shamim Firdous	<i>Ebong Mohuya</i>	—
The 'New Women' Jamini Sen: and the Colonial Structure of the Early Ninetenn Century British India	Safoora Razeq	<i>Moder Thamizh Research</i>	2321-984x

## ii. Book, Book Chapter, etc.

Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Name of the publisher
1	Ishtiaq Hussain	History Past and Beyond , The Deoband Ulema and Muslim Political Thought and Activity During 1866-1947.	—	2020	978-81-7975-996-7	Anamika Publishers and Distributors (P) Ltd.

Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Name of the publisher
2	Md. Shamim Firdous	<i>Progress of Western Education in Bengal from 1871 to 1882 and the Participation of Muslims : A Brief History</i>	—	2021	978-93-84667-35-1	S. B. Enterprise, & Distributors
3	Md. Shamim Firdous	<i>Samonnayer Sadhona Prekchit Loko Sanskriti</i>	—	2021	978-93-84667-34-4	S. B. Enterprise, Publishers & Distributors
4	Manas Dutta	Ashutosh Kumar and Claude Markovits (eds) <i>Indian Soldiers in the First World War: Revisiting a Global Conflict.</i>	The Indian Army in the East African Campaign, 1914-1918	2021	9780367695767	Routledge

## 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	Sufi Saint Pir Abu Bakr Siddique of Furfurah Sharif : Contribution to Bengal Culture and Society	Two Day National Seminar (Online)	Department of Islamic Studies, Aligarh Muslim University, Aligarh	27-28 March, 2021
Safoora Razeq	Maulana Abul Kalam Azad – The Last warrior against the Partition of India	State	Humaun Kabir Institute	11.11.2020
	Role and Contribution of Maulana Azad in the freedom Movement of India	State	Maulana Azad Foundation	22.02.2021



Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Enayatullah Khan	Non-Muslims under Muslim role in India: A Study of Sources	State	In Winter School, jointly organised by Department of Islamic theology and Institute of Objectives Studies, New Delhi	February, 2021
Tuhina Islam	Atiya Fayzee : A Role Model of Muslim Women Empowerment In South Asia	International	Department of Management, Humanities And Social Science, National Institute of Technology, Agartala	16 – 18 April, 2021
Manas Dutta	Epidemic, Humanity and Our Nazrul	International	Nazrul Centre for Social And Cultural studies, Kazi Nazrul University, Asansol, W.B. & Institute of National studies, JAKKANIB	31 August, 2020
Manas Dutta	The Unfinished Revolution: B.R. Ambedkar and the Quest for Mahar regiment	National	Womens' College, Kolkata	14 April, 2021

## 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.

Head of the Department : Syed Abdur Rasheed

### 3. Academic Programmes Offered :

Bachelor of Arts with Honours in Islamic Studies

MA in Islamic Studies

PhD

### 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

#### i. International and National Journal

Title of paper	Name of the author/s	Department of the teacher	Name of journal	ISSN number
Ahde Abbasi ke Hindustani Attibba (Indian Physicians during Abbasid Period)	Syed Abdur Rasheed	Islamic Studies	<i>Tehzebul Akhlaq</i>	2348-2257

## ii. Book, Book Chapter, etc.

Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Name of the publisher
1	Sumaiya Ahmed	<i>School of Kolkata Weaving magic in Education</i>	Madrasas in Kolkata	2020	9788177680706	SAMPARK publishing house, Kolkata
2	Syed Abdur Rasheed	—	Umawi Hukumat ki Tausee	2021	978-93-80322-90-2	DDE, MANU University
3	Syed Abdur Rasheed	—	Banu Umayya ka Nazm o Nasq	2021	978-93-80322-90-2	DDE, MANU University
4	Sumaiya Ahmed	<i>Impact of Islamic law in the contemporary Indian Legal System</i>	Islam's Contribution to Huquq al Insan (Human Rights)	2021	987-81-950122-6-8	Ababil Books, Publishers & Distributors, Kolkata

## 6. Paper Presentation/Invited Talk :

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Syed Abdur Rasheed	The Early Scientific Contributions of Muslims - in the lights of Primary Sources and New Evidence	National	Islami Mutalaat forum, Dept. of Islamic Studies, MANUU, Hyderabad	5 September 2020
Syed Abdur Rasheed	Present Crisis and the Role of Faith	National	Institute of Objective studies, Kolkata Chapter, New Delhi	8 October 2020

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Syed Abdur Rasheed	Aqeeda : Tawheed, Risalat, Akhirat	National	Dept. of Islamic Theology, Aliah University in collaboration with IOS, Kolkata Chapter	16 February, 2021
Syed Abdur Rasheed	Five Day Online Workshop on Research Methodology and ICT	National	MANU University, Hyderabad in collaboration with Telangana State Urdu Academy, Hyderabad	11-20 April, 2021
Sumaiya Ahmed	Spread of Sufi Tradition in Bengal.	International	Darul Irfan Research Institute (DIRI)	30-31 October, 2020
Sumaiya Ahmed	Dr. Muhammad Natsir Contribution to Islamic Literary Works	International	Institute of Objective Studies, New Delhi (India) & University Ibn Khaldun Bogor (Indonesia)	6-7 February, 2021

## 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 varying 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.

Head of the Department : Mohd. Shamim Akhter

### 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 :**

**i. International and National Journal**

Title of paper	Name of the author/s	Department of the teacher	Name of journal	ISSN number
Ta'alau ila al-Sa'adati al-mafqudati (Regain the lost happiness)	Ashraf Ali	Islamic Theology	<i>Al-Baas Al-Islamic, Lucknow, UP</i>	2347-2456

**ii. Book, Book Chapter, etc.**

Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Name of the publisher
1	Ashraf Ali	<i>Hindustan Mein Mutali-ah-Quran Majeed : Muasir Manzarnamah</i> (K.A.Nizami Centre for Quranic Studies, AMU)	Aliah University mein mutalat-e-Quran ka manzan pase manzar (A General view of Quranic Studies at Aliah University)	2020	978-93-90167-12-8	Brown Books, Aligarh, U.P.

Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Name of the publisher
2	Abu Tamim	<i>Prochalita Gunah o Islami Chikitsa</i> (in Bengali)	—	2021	978-81-951294-8-5	SJ Publications, South 24 Pgs
3	Kamal Ashraf	<i>Dirasat -e-Diniyah</i>	Mazahib-e-Alam mein Allah ke sifati naam	2021	978-93-91456-13-9	Faculty of Sunni Theology, AMU

## 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	The Role of Education in Promoting Tolerance	Two Day International Virtual Conference	Department of Islamic Theology in collaboration with the Department of Arabic, Aliah University, Kolkata	19-20 January, 2021
Md. Ashraf Ali	Jama wa Tadween-e-Hadith	Five Day workshop on Islamic Studies	Jointly organized Dept. of Islamic Studies, Aliah University, Kolkata and IOS, New Delhi (Kolkata Chapter)	15-19 February, 2021
Mohd. Shamim Akhter	The Role of Tolerance in the Stability of the Society	Two-day International Virtual Conference	Department of Islamic Theology in collaboration with the Department of Arabic, Aliah University, Kolkata	19-20 January, 2021
Mohd. Shamim Akhter	Tareekh e Nuzool Quran and Jama wa Tadween-e-Quran	5-days Winter School Workshop on Islamic Studies	Jointly organized Dept. of Islamic Studies, Aliah University, Kolkata and IOS, New Delhi (Kolkata Chapter)	15-19 February, 2021

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Mohd. Shamim Akhter	Maulana Hakim Md Zaman Husaini (r.a.): Life and Contributions	National Symposium on Life and Contributions of Maulana Hakim Md Zaman Husaini	Organized by Institute of Objective Studies, New Delhi Kolkata Chapter	07 March, 2021
Kamal Ashraf	Dr. Muhammad Natsir: A summation of this Lifetime, efforts and realization	International	Institute of Objective Studies	6-7 February, 2021
Kamal Ashraf	Mazahib-e-Alam mein Allah ke sifati naam : ek tajziati mutala	International	Dept. of Sunni Theology, AMU	26-27 June, 2021
Abu Tamim	Short technique saheeh Quran recitation	international Virtual conference	International Institute of Al-Quran Research & learning Bangladesh	November, 2020
Abu Tamim	Multiple use of Masjid	international Virtual conference	International Institute of Al-Quran Research & learning Bangladesh	December, 2020
Abu Tamim	Right of Non-Muslim Minorities in Islamic State	five-day online winter school National Workshop	Dept. of Islamic Theology & Arabic Aliah University Kolkata	January, 2021
Abu Tamim	Islam and Humanities	National Conference	Dept. Of Islamic Theology & IOS Kolkata Chapter	February, 2021
Imdad Husain	Adm-e-bardasht ka barta rujhan aur us ka tadaruk	2-day International Virtual Conference on The Role of Tolerance in the Stability of the Society	Department of Islamic Theology, Aliah University in collaboration with the Department of Arabic, Aliah University, W.B	19-20 January, 2021



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

<b>Name of Sem./Wor./Con./FDP</b>	<b>Funded By</b>	<b>Date</b>	<b>International/ National/State/Webinar</b>
WINTER SCHOOL : An Online International Workshop on Islamic Studies	Institute of Objective Studies, Kolkata Chapter	15 - 19 February, 2021	International/Organised Jointly by Institute of Objective Studies, Kolkata Chapter and Department of Islamic Theology, Aliah University Kolkata.
International Virtual Conference on "The Role of Tolerance in the Stability of the Society"	Aliah University	19-20 January, 2021	International/Organised by the Department of Islamic Theology, Aliah University, Kolkata In Collaboration with the Department of Arabic, Aliah University, Kolkata

## 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.

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), Pratchi 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 and Podcast.

The department also has its own YouTube channel equipped with the contents produced by its students over the years.

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.

Head of the Department : Mohammad Reyaz

### 3. Academic Programmes Offered :

2-year Masters of Arts in Journalism and Mass Communication (40 intake)

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 :****i. 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>Jadavpur Journal of International Relations, SAGE (UGC Indexed)</i>	0973-5984
Mapping the fake news infodemic amidst the COVID-19 pandemic: A study of Indian fact-checking websites	Kaifia Ancer Laskar & Mohammad Reyaz	<i>Journal of Arab &amp; Muslim Media Research (Scopus/UGC II)</i>	1751-9411
Desi-fication of Sex and the City: A Postfeminist Reading of Sismance and Sexuality in Four More Shots Please!	Kaifia Ancer Laskar	<i>Journal of Media and Communication, Central University of Tamil Nadu</i>	2581-513X
Gender-sensitive Portrayal in Cartoon Shows for Pre-schoolers: A Critical Analysis of Masha and the Bear	Kaifia Ancer Laskar	<i>Asia Pacific Media Educator</i>	1326-365X
Community radio stations' production responses to COVID-19 pandemic in India	Kaifia Ancer Laskar and Biswadeep Bhattacharyya	<i>Media Asia</i>	0129-6612
Mediated facets: a review of Many Voices, Many Worlds edited by Faiz Ullah et al.	Kaifia Ancer Laskar	<i>Media Asia</i>	0129-6612

ii. Book, Book Chapter, etc.

Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Name of the publisher
1	Mohammad Reyaz	<i>Inhabiting Cyberspace in India : Theory, Perspectives, and Challenges</i> , edited by Simi Malhotra, Kanika Sharma, & Sakshi Dogra	New Media, Identity and Minorities : The Role of Internet in Mainstreaming of Muslims in India	2021	978-981-15-9933-0	Springer Nature Singapore

iii. E-Content

Sl. No.	Name of the author/s	Title of paper	Year	Provide link to videos of the media centre and recording facility
1	Ghazala Yasmin	Gender in/and Media	2020	<a href="https://youtu.be/zEvHCY8Mvzc">https://youtu.be/zEvHCY8Mvzc</a>

6. Paper Presentation/Invited Talk :

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Ghazala Yasmin	Media, Misinformation and Climate	International	Global Media Education Council and Global Communication Education Conclave	17 December, 2021
Ghazala Yasmin	News and Information Literacy	International	Global Institute for Research, Education and Scholarship, Amsterdam	30 January, 2021
Ghazala Yasmin	Fighting the Information Disorder: Fact-checking and Verification	National	Centre for New Initiatives and Research, SGT University, Gurugram	31 October, 2020
Ghazala Yasmin	Visual Verification and Fact-checking: Tools and Techniques	International	Parul University, Vadodara, Gujrat	16 December, 2020

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Ghazala Yasmin	Women Writings: Literary Adaptations at the Golden Word International Literary Festival	International	Multicultural Network of Azerbaijan, State Committee of Uzbekistan and Progressive, literary and Cultural Society, India	19-20 December, 2020
Mohammad Reyaz	Role of Soft Power in the Rise of Asian Powerhouses: India in Afghanistan	International	Ankara Center for Crisis and Policy Studies (ANKASAM), Ankara, Turkey	22-23 May, 2021
Mohammad Reyaz	The Role of Media during Covid-19 Pandemic: Some Critical Observation	National	Department of Political Science, Plassey College, Mira Bazar, Plassey (Nadia), West Bengal	9 August, 2020
Kaifia Ancer Laskar	The Fake News Epidemic amidst the COVID 19 pandemic in India: A Case Study	International	Amity University, Patna in collaboration with UNICEF, Bihar	24 – 25 July, 2020
Kaifia Ancer Laskar	The Fake News Epidemic amidst the COVID 19 pandemic in India: A Case Study	International	Amity University, Patna.	24 – 25 July, 2020
Kaifia Ancer Laskar and Biswadeep Bhattacharyya	Indian Media Educators' Perceived E-Teaching Experience of Online Teaching during COVID 19 pandemic	International	ARMT in association with Media Research Institute, Mysore.	19 – 20 December, 2020

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

<b>Title of the Seminar/ Workshop/ Conference/FDP</b>	<b>Funded By</b>	<b>Date</b>	<b>National/ International/ State/Webinar</b>
2-Day Webinar on Covering COVID 19 in South Asia	—	17-18 July, 2020	International Webinar
Rigour in Communication and Mass Communication Research: Theory and Praxis	—	26 July, 2020	International Webinar
Youth Workshop on Responsible Use of Social Media	Organised in collaboration with West Bengal Election Watch and Association for Democratic Rights	27 April, 2021	Webinar
Special Lecture on PR in Government and Private Sector with Industry Expert Nurul Islam Laskar, Chairperson, PRCI, Guwahati Chapter	—	7 June, 2021	Online Special Lecture (National)
One Day Webinar on “Mediated Mythical Discourses” with Professor Arthur Asa Berger and Prof K.V. Nagaraj as esteemed speakers.	—	31 January, 2021	International Webinar

## 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.

Head of the Department : Zubair Ahmed

### 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	Law
2	Syed Mohammad Yawar	Assistant Professor	PhD	Law
3	Zubair Ahmed	Assistant Professor	PhD	Law

### 5. Reputed Research Publications :

#### i. Book, Book Chapter, etc.

Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Name of the publisher
1	Zubair Ahmed	<i>Impact of Islamic Law in the Contemporary Indian Legal System</i>	Stand of Islam on Intellectual Property Rights	2021	987-81-950122-6-8	Ababil Books
2	Zubair Ahmed	<i>Islam and Contemporary Legal Issues in India</i>		2021	978-81-950122-7-5	Ababil Books

Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Name of the publisher
3	Zubair Ahmed	<i>Gender &amp; Society- A Multidisplianary Approach to Understand Gender in Society</i>	Law Relating to Cybercrime and Protection of Women in India : A Way Forward	2021	978-81-95286-02-7	National Prints, New Delhi

#### 6. Students Qualifying in State/National/International Level Examinations

Name of the Qualifying Student	Year of Qualifying	Level of Exam	Name of Competitive Examination
Kaji Mainuddin	2020	State	SET
Naushad Anwar	2020	State	SET
Zaidul Islam	2020	State	West Bengal Judicial Service
Kaji Mainuddin	2021	State	West Bengal Municipal Service Corporation
Sultan Shah Alam	2021	State	West Bengal Legal Service



## 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.

Head of the Department : Drakhshan Zarrin

### 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	Sayed 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 :

### i. International and National Journal

Title of paper	Name of the author/s	Name of journal	ISSN number
Urdu Zaban Aur Kabir Das Ka Lisani Tajarba	Drakhshan Zarin	Saghar e Adab	978-16-59872-7-1

### ii. Book, Book Chapter, etc.

Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Name of the publisher
1	Shaheen Sultana	—	Abdul Gafoor Nassakh: Hayat-O-Fan, (Edited)	2020	978-93-93680-36-5	Dept.of Urdu, Aliah University
2	Shaheen Sultana	—	Sir Syed Ahmed Khan: Nai Nasl Key Ameen, Sir Syed Ahmed Khan Ek Ahad Saaz Shakhsiyat	2021	978-93-5566-989-6	West Bengal Urdu Academy and Dept. of Urdu, Govt. Girls General Degree College
3	Drakhshan Zarrin	Nazeer Akbar Abadi	Nazeer Akbar Abadi aur Urdu Ka Lisani Irtiq	2020	97-8-93-842869-8-9	WBUA, Kolkata
4	Drakhshan Zarrin	Lisani O Adabi Tafheem	—	2020	978-93-90167-44-9	Brown Book Publications, Aligadh
5	Drakhshan Zarrin	Abdul Ghafoor Nassakh Hayat-O-Fan	Abdul Ghafoor Nassakh Sawanahi Khaka	2020	978-16-59872-7-1	Department of Urdu Aliah University and Urdu Academy WB
6	Drakhshan Zarrin	Maulana Azad Shakhsiyat Aur Funn	Maulana Abul Kalam Azad ki Zaban Ka Irtaqai Amal	2021	978-93-93-245-07-6	—
7.	Drakhshan Zarrin (Ed.)	Maulana Abul Kalam Azad Aur Takseeri Hum Ahangi	—	2021	978-81-955816-8-9	Asifa Enterprises, Kolkata

Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Name of the publisher
8.	Syeda Mehria Murshed Al - Quadri	<i>Abdul Ghafoor Nassakh Hayat-O-Fan</i>	Abdul Ghafoor Nassakh	2020	978-16-59872-7-1	Department of Urdu Aliah University and Urdu Academy WB
9.	Nilofer Firdaus	<i>Abdul Ghafoor Nassakh Hayat-O-Fan</i>	Abdul Ghafoor Nassakh Sawanahi Khaka	2020	978-16-59872-7-1	Department of Urdu Aliah University and Urdu Academy WB
10.	Nilofer Firdaus	<i>Adab-E-Aliah</i>	Book	2021	978-81-952137-6-4	Istifsaar Publications, Jaipur, Rajasthan

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

Name of Sem./Wor./Con./FDP	Funded By	Date	International/ National/State/Webinar
Asari Adab Aur Akhlaqi Aqdaar	Urdu Department, Aliah University	04/11/22	International Webinar
Second Maulana Abul Kalam Azad Memorial Lecture. Topic - Relevance of the philosophy of Allama Iqbal and Rabindranath Tagore in present scenario	Aliah University	20/02/2021	National
Ekiesween Sadi Aur Urdu Adab	Department of Urdu	27/02/2021	International Webinar

#### 7. Students Qualifying in State/National/International Level Examinations

Name of the Qualifying Student	Year of Qualifying	Level of Exam	Name of Competitive Examination
Md. Sajid	2020-2021	National	NET-JRF (MANF), SET

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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.

Head of the Department : Arup Kumar Baksi

### 3. Academic Programmes Offered :

Five years Integrated MBA

PhD

### 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, MBA, PhD, Post Doc	Marketing
8	Gholam Syedain Khan	Assistant Professor	MCom, MBA, MPhil	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 :

### i. 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. and Majumdar, A.	<i>Our Heritage</i>	0474-9030

Title of paper	Name of the author/s	Name of journal	ISSN number
Cash Flow Ratios Under Growth Approach as an Indicator for Evaluation of Business Performance.	Majumdar, A. and Majumdar, D.	<i>Journal of Commerce and Accounting Research</i>	2277-2146
Design and data analytics of electronic human resource management activities through Internet of Things in an organisation	Nasreen Nasar, Ray, S., Umer, S., and Mohan, H.	<i>Journal of Software Practice and Experience</i>	1097024X
Exploring the relationship between controllable metrics and Socio-Environmental Performance Indicators in Responsible Tourism Context Using Temporal Causal Model	Baksi, Arup Kumar, and Parida. B. B.	<i>Annals of Tourism (Brazil) (Scopus) (ABDC Enlisted)</i>	2238-2925
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 a cute and chronic diseases	Praheli Dhar Chowdhuri, and Kundu, K.	<i>Journal of Complementary and Integrative Medicine. (Scopus) SCImago Journal Rank (SJR): 0.319 Impact Score: 1.4</i>	15533840
Role of Demographic, Cognitive, Social Factors and Personality Trait on Treatment Modality Related Decision Making: A Conceptual Framework	Praheli Dhar Chowdhuri, and Kundu, K.	<i>Indian Journal of Public Health Research and Development (Scopus) Impact Score 0.26</i>	0976-0245
Influence of Behavioral Biases on Investment Behavior	Banerji, J, Kundu, K. and Alam, P.A.	<i>SCMS Journal of Indian Management (Scopus; UGC Care A List)</i>	0973-3167
Safed Detergent Powder : Regional Brand with Rural Focus	Dev Narayan Sarkar and Kundu, K.	<i>ASIAN CASE RESEARCH JOURNAL, VOL. 23, ISSUE 2, 457–489 (Scopus) SCImago Journal Rank (SJR) 0.108 Impact Score 0.03</i>	02189275, 17936772
Conceptual Expansion and Approaches to the Concept of Alternative Economy	Dev Narayan Sarkar and Kundu, K.	<i>Global Journal of Emerging Market Economies 12(3) 257–282, 2020 SCImago Journal Rank (SJR): 0.168 H-index: 8 Impact Score: 0.52 © 2020 Emerging Markets Institute, Beijing (Scopus)</i>	09749101, 09752730



Title of paper	Name of the author/s	Name of journal	ISSN number
Exploring the significance of Emotional Attachment, Behavioural Readiness, Affiliation, and Values in developing the construct of Organizational Commitment	Bihani, P., Kundu, K., Sarkar, D N., and Banerjee, S.	<i>Vilakshan, XIMB Journal of Management, Vol 15 (2),</i>	0973-1954
Influence of Behavioral Biases on Investment Behavior	Banerji, J, Kundu, K. and Alam, P.A.	<i>SCMS Journal of Indian Management (Scopus; UGC Care A List)</i>	0973-3167
Effect of Service Capabilities on Performance of Banks-An Empirical Analysis	Misabpt, Rasheed K., and Saidalavi K.	<i>Interanational 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	Furquan Uddin and Mohammad Razi-ur-Rahim	<i>International Journal of Financial Services Management, Inderscience (ABDC)</i>	1741-8062
Developing Relational Constructs to Control Tourist Engagement in Low-Engaging Autochthonous Destinations in Post COVID-19 Environment	Baksi, A. K. and Parida, B. B.	<i>International Journal of Hospitality &amp; Tourism Systems</i>	
agri-input Buying Behaviour of PaddyFarmers : A Study in the Context of the New Normal Due to COVID-19	Ferman Haider Haidery, Kaushik Kundu, and Dev Narayan Sarkar	<i>Vision-The Journal of Business Perspective</i>	09722629, 22495304.
agri-input Buying Behaviour of PaddyFarmers: A Study in the Context of the New Normal Due to COVID-19	Ferman Haider Haidery, Kaushik Kundu, and Dev Narayan Sarkar	<i>Vision-The Journal of Business Perspective</i>	09722629, 22495304.
Mountain Tourism Destinations and Out-Of-Pocket Spending Plan Of Domestic Tourists	Chatterjee S., Batabyal D., and Ray N.	<i>Vidyabharati International Interdisciplinary Research Journal; October 2021 (Special Issue); pp.1950-1957(WOS)</i>	2319-4979
Indian Rural MSMEs and their perception towards innovation and creativity in uplifting their business.	Sur, S., Ahmed, S. and Kushwah, S.V.	<i>Acta Universitatis Bohemiae Meridionalis, Vol 24, No. 3</i>	2336-4297

Title of paper	Name of the author/s	Name of journal	ISSN number
Effects of Demonetization, GST & Covid-19 Pandemic in the Adoption of Digitalization by Rural MSMEs in India	Sur S. and Ahmed, S.	<i>NMIMS Management Review (Web of Science Indexed), Vol-29, Issue-3, 32-58</i>	0971-1023
Change in the uses pattern of digital banking services by Indian rural MSMEs during demonetization and Covid-19 pandemic-related restrictions	Sur S. and Ahmed, S.	<i>Vilakshan-XIMB Journal of Management, Vol. 20 No. 1, pp. 166-192.</i>	0973-1954
Effect of Electronic Hedonic Service Quality (e-HSQ) on Pleasure, Arousal and Eudaimonic Well-being; An Empirical Analysis	Rasheed K.	<i>Journal of Advanced Research in Quality Control and Management</i>	2582-3280
Peer to Peer Lending; A Review on Existing Literature	Arun K. Balan, Alocys O.C., and Rasheed K.	<i>Sambodhi (UGC Care)</i>	2249-6661
Service Recovery Strategies for the Service Providers in Human Capital Market	Amitabha Gupta and Arup Kumar Bakshi	<i>The Journal of Oriental Research Madras (UGC CARE-I)</i>	0022-3301
Effect of Celebrity Gender on Social Media Audience : A Case Study of Coca-Cola Advertisement	Mohammad Razi-ur-Rahim and Furquan Uddin	<i>Empirical Economics Letters (ABDC)</i>	1681-8997
Assessing the Impact of Factors Affecting the Adoption of Online Banking Services among University Students	Mohammad Razi-ur-Rahim and Furquan Uddin	<i>Abhigyan</i>	0970-2385
Investigating CSR practices of LIC of India during pre and post IRDAI's compliance 2013	Furquan Uddin	<i>Asia-Pacific Journal of Management Research and Innovation, Sage Publication</i>	2321-0729
National Resource Accounting (NRA) Linkage with Sustainable Development Goals : An Overview	Aliza and Furquan Uddin	<i>The Management Accountant</i>	0972-3528
Comparison of Robustness of LSTM(RNN) and GRU in Case of Some Leading Multinational Software Companies,	Sarkar A.	<i>Shodh Sanchar Bulletin, January to March, Volume 11, Issue 41, 231-237.</i>	2229- 3620

Title of paper	Name of the author/s	Name of journal	ISSN number
Forecasting of Tourism Companies Before and During Covid-19	Sarkar A.	<i>International Research Journal of Business Studies, Vol 14, No 2 (2021), 99-106</i>	e-ISSN 2338-4565

**ii. Book, Book Chapter, etc.**

Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Name of the publisher
1	Baksi, A. K.	<i>COVID-19 and its Impact in India</i>	Deconstructed Tourism under COVID-19 : Exploring Recovery Charter for Behavioural Reconstruction	2021	978-81-95278749	Chandidas Mahavidyalaya, Birbhum, West Bengal
2	Baksi, A. K. and Parida, B. B.	<i>Asian Tourism Research</i>	Impact of Responsible Tourism Metricson Socio Environmental Indicators in Post-COVID-19 Environment : A Predictive Analysis using Temporal Causal Modeling	2021	978-93-54263477	Mahatma Gandhi University, Kerala
3	Singh, P., and Alam, P.A.	<i>Innovative Management Practices : An Interdisciplinary Approach with special reference to the New Normal</i>	A Study on the Campus Hiring of MBA students in the New Normal	2021	978-93-90951-08-6	Allied Publishers, New Delhi

Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Name of the publisher
4	Chakraborty, R., Alam, P.A.	<i>Innovative Management Practices : An Interdisciplinary Approach with special reference to the New Normal</i>	Prospects of Human Resource Analytics and Barriers to its Implementation : A Comprehensive Review	2021	978-93-90951-08-6	Allied Publishers, New Delhi
5	Nasreen Nasar, Sumati Ray, Abdul Wadud, and Saiyed Umer	<i>Recent Advances in Operations Management Applications- Select Proceedings of CIMS 2020</i>	Prediction Model for Talent Management Analysis Through e-HRM	2021	978-981-16-	Springer Nature Singapore
6	Asima Sarkar and Gholam Syyyedin Khan	<i>Innovative Management Practices-An interdisciplinary approach with special reference to the new normal</i>	The Reaction of Stock Markets to COVID-19 Pandemic : Evidence from Select Most Affected Countries	2021	978-93-90951-08-6	Allied Publishers Pvt. Ltd. New Delhi.
7	Baishakhi Mukherjee and Asima Sarkar	<i>Innovative Management Practices-An interdisciplinary approach with special reference to the new normal</i>	Controlling Impulse Spending Leads to Financial Immunity : A Pilot Study	2021	978-93-90951-08-6	Allied Publishers Pvt. Ltd. New Delhi.
8	Gholam Syedain Khan	<i>Innovative Management Practices : An Interdisciplinary Approach with special reference to the new normal</i>	The Economic Consequences of COVID-19 Pandemic in India	2021	978-93-90951-08-6	Allied Publishers, New Delhi

Sl. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Name of the publisher
9	A. Sarkar and G.S. Khan	<i>Innovative Management Practices-An interdisciplinary approach with special reference to the new normal</i>	The Reaction of Stock Markets to COVID-19 Pandemic : Evidence from Select Most Affected Countries	2021	978-93-90951-08-6	Allied Publishers, New Delhi
10	Ibrahim Hussain and Gholam Syedain Khan	<i>Innovative Management Practices-An interdisciplinary approach with special reference to the new normal</i>	The Impact of Financial Leverage on the Profitability of the Select Retail Companies in India	2021	978-93-90951-08-6	Allied Publishers, New Delhi
11	Dutta, M. and Chatterjee, S	<i>Innovative Management Practices—An Interdisciplinary Approach</i>	A Study on Strategies for Building a Future Ready Workforce- An Enabler for Organisations to adapt to the new normal and Navigate through the Pandemic	2021	978-981-16-8149-3	Allied Publishers, New Delhi

## 7. Paper Presentation/Invited Talk :

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Parveen Ahmed Alam	A study on the status of campus hiring of MBA students in the new normal	International Conference	Aliah University	8-9 February, 2021

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/	Organizing Institution	Date
Parveen Ahmed Alam	Prospects of Human Resource Analytics and Barriers to its Implementation: A Comprehensive Review	International Conference	Aliah University	8-9 February, 2021
Arup Kumar Baksi	Interdependence Techniques using SPSS	7-day Workshop on Research Methodology and Use of Application Tools (Online)	Pondicherry University	17 December, 2021
Arup Kumar Baksi	Application of Multivariates in Hypotheses testing	7-day Workshop on Research Methodology and Use of Application Tools (Online)	Pondicherry University	18 December, 2021
Arup Kumar Baksi	Qualitative Data Analysis-I	7-day Workshop on Research Methodology	NMIMS, Hyderabad	23 February, 2022
Arup Kumar Baksi	Qualitative Data Analysis-II	7-day Workshop on Research Methodology	NMIMS, Hyderabad	23 February, 2022
Nasreen Nasar	Prediction Model for Talent Management Analysis through E-HRM	International Conference	Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, India	09 - 11 October, 2020
Gholam Syedain Khan	The Impact of Financial Leverage on the Profitability of the Select Retail Companies in India.	International Conference	Aliah University	8-9 February, 2021
Gholam Syedain Khan	The Economic Consequences of COVID-19 Pandemic in India	International Conference	Aliah University	8-9 February, 2021
Gholam Syedain Khan	The reaction of stock markets to Covid-19 pandemic: Evidence from select most affected countries.	International Conference	Aliah University	8-9 February, 2021

Name of the Faculty Member	Title of the Paper/Invited talk	National/ International/ State	Organizing Institution	Date
Somnath Chatterjee	A Study on Strategies for Building a Future Ready Workforce - An Enabler for Organisations to adapt to the New Normal and Navigate through the Pandemic	International Conference	Aliah University	8-9 February, 2021
Somnath Chatterjee	Impact of Acquisition & Subsequent Merger on the Profitability of the Indian Pharmaceutical Industry	International Conference	Aliah University	8-9 February, 2021
Samiran Sur	Innovation: A tool for survival or the need of the hour – A study on the perception of business- innovation in rural MSMEs in India	International Conference	MDI, Murshidabad	19-21 March, 2021
Samiran Sur	Innovation as a tool to survive and prosper in current entrepreneurial Challenges - A study on Indian Rural MSMEs	International Conference	Aliah University	8-9 February, 2021
Ayan Majumdar	Impact of Select Macroeconomic Variables on Information Technology Sector in India	International Conference	Aliah University	8-9 February, 2021

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

Name of Sem./Wor./Con./FDP	Funded By	Date	International/ National/State/Webinar
Sexual Harassment of Women in Workplace in collaboration with Internal Complaints Committee, Aliah University and SANHITA, Kolkata	Aliah University	5 August, 2020	Webinar
Skill Development: Research Colloquium Series-I-Literature Review with Nvivo	—	31 August, 2020	Webinar
Skill Development: Research Colloquium Series-II : Using Moodle for Online Teaching	—	9 September, 2020	Webinar
Skill Development: Research Colloquium Series-III Analysing Text Data with R for Management Literature	—	17 September, 2020	Webinar
Skill Development: Research Colloquium Series-IV: Evaluation Metrics for Statistical Models: Using R	—	27 September, 2020	Webinar
Skill Development: Research Colloquium Series -V: Using Padlet to communicate and Collaborate in Online Platform	—	11 October, 2020	Webinar
Skill Development: Research Colloquium Series -VI: Structural Equation Modeling using AMOS	—	14 October, 2020	Webinar
1st HR Conclave	—	7 November, 2020	State (Online)
Advanced Techniques and Tools in Social Science Research	ICSSR	24 November - 7 December, 2020	National (Online)



Name of Sem./Wor./Con./FDP	Funded By	Date	International/ National/State/Webinar
Skill Development: Research Colloquium Series- VII: Testing Efficiency with DEAP	—	30 January, 2021	Webinar
4 <sup>th</sup> International Conference on Management & Business Practices - ICMBP 2021	—	8-9 February, 2021	International (Online)
Skill Development: Research Colloquium Series- VIII: Grounded Theory Approach in Qualitative Research	—	15 March, 2021	Webinar