# Aliah University

## PLACEMENT BROCHURE

# Contents

INDUSTRIAL TRAINING
by Industry Expert

52.94%
45.83%
40.63%
71%
34.38%

TATA
TATA CONSULTANCY SERVICES
Tech Mahindra
amazon
pwc
ITC Limited
HCL
O GENERAL
Deloitte.

# Vice–Chancellor's
## Message



*7*he Aliah University, an autonomous University, established by an Act of Govt of West Bengal, is fast becoming preferred destination for pursuing higher studies in various basic, fundamental and applied subjects. The University has been consistently recruiting talented faculty members to strengthen the teaching-learning process here. Our main resources, the young talents i.e. the students, are admitted through competitive examinations in all faculties of the University. State of the art facilities and infrastructure of the University provide students with modern as well as challenging training which, in turn, help them achieve success in this competitive world. Our academic programmes are framed in a way so that the learners of this University can provide leadership while working in a team. They are trained with global focus. Our students are recruited by various prestigious industry houses. I assure the recruiters about the quality of our alumni and hope, that the graduates, post-graduates and doctorates you are recruiting will help your organizations achieve newer goals.

I heartily invite the recruiters to our campus to find the appropriate match.

Best wishes,


**Prof. Mahammad Ali**

*Vice-Chancellor*
*Aliah University*

# Registrar's Message

*A*liah University, an autonomous institution of higher learning under the Minority Affairs & Madrasah Education Department, Government of West Bengal is the first institution of this kind established for expansion of education among the students belonging to Minority Communities. The University has not completed even a decade of its journey but it has already made a mark as an impressive locus in the map of higher education in the state. In a very short span of time, a world class infrastructural set up in terms of class room and furniture, laboratories, buildings, hostels, canteens, administrative building have come up because of the generous help of our Hon'ble Chief Minister Smt. Mamata Banerjee and MIC of the MA&ME department and constant vigilance and continuous efforts put forward by the Hon'ble Vice Chancellor. The University imparts quality education in a variety of disciplines starting from Islamic Theology, a number of Indian and foreign languages, a number of social sciences, basic sciences, engineering, technical education like B. Ed and Nursing, Management education, law, etc. The curriculum of each academic programme has been so developed by external experts and departmental faculty members keeping in mind the need of the society, and demand of the economy and industry in modern time. A sizeable group of highly qualified young, energetic faculty dedicated and committed to impart excellence in education to our intelligent and talented students who get admission through strict admission test and academic performance in last qualifying examination. The students of this University not only get the opportunity of class room teaching through application of ICT but special attention is given to their personality development through participation in debate and discussion, seminar, symposium, conference, group discussion, etc. In this regard, I must accept that placement cell of our University is doing a commendable job to help them to find suitable placement by guiding and providing special training. I am proud of my students and am sure that our students with their self-confidence and value education necessary for nation building that they usually obtain in the process of acquiring knowledge in their respective subject would be assets for any institution/company if given a chance to serve as per one's qualifications and skills.

**Dr. Nursadh Ali**

**Registrar**
**Aliah University**

# From the Desk of
## Training & Placement Officer

*G*reetings from Aliah University!!!

I take this opportunity to cordially invite your esteemed company to participate in our campus placement programme to consider the students of Final year batch. Aliah University an autonomous Institution under the Government of West Bengal. The University has meritorious and innovative students, dedicated and highly qualified faculty members and a budding alumni network. The cell continuously coordinates with various industries and organizations for placement of the students in industry. There are a large number of organizations with whom we enjoy lasting and fruitful relationship and our vision is to convert all our recruiters into partners, where we will be sensitive about the mutual needs and value delivery. The University has a large pool of talent to recruit from, with a wide range of courses being offered at UG and PG levels.

At present in the Engineering faculty, we have 5 departments at UG level and 5 specializations at PG level. There are another 26 different academic programmes in Management, Science and Arts faculties. Over the years, our University has become one of the preferred choices for campus recruitment drive by all leading organizations.

I look forward to receive a team of your executives for Placement Drive at our University.

Thank you in advance for a long term happy partnership.

**Md Jakir Hossain**

*Training & Placement Officer*
*Aliah University*
*II-A/27, New Town Kolkata 700160, West Bengal, India*
*M: +91 9933506719/8584853842*
*T: +913323416410, Ext. 1209*
*E: tpo@aliah.ac.in/*
*jakirhossain20@gmail.com*
*www.aliah.ac.in*

# About the University

$\mathcal{A}$liah University carries with it the rich heritage of the 236 years old educational and cultural institution, Mohammedan College of Calcutta, popularly known as Madrasah-i-Aliah or Calcutta Madrasah, the first educational institution set up in India in 1780 by Warren Hastings, the then Governor General of East India Company. Calcutta Madrasah was upgraded to Aliah University by Aliah University Act passed by the West Bengal Legislative Assembly in 2007. The Act came into force on 5th April 2008. Many eminent scholars were associated with this institution as administrators, principals, teachers as well as students.

The University envisages creation of ever-expanding opportunities for higher education and research in traditional as well as newly emerging areas for the capacity-building and empowerment through allround development of our countrymen, particularly the socially and educationally backward classes belonging to the Minorities. Harmonizing tradition and modernity, the University is marching towards its goal of emerging as a unique institution of higher learning and research.

Administration :

- **Hon'ble Chancellor** : Shri Keshari Nath Tripathi, Hon'ble Governor of West Bengal

- **Hon'ble Vice-Chancellor** : Prof. Mahammad Ali

- **Registrar** : Dr. Nursadh Ali

# MISSION & VISION

## Vision
### of the University

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.

We would like to instill the dynamism of the glorious heritage of the past among all our 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, develop love and respect for fellow citizens of the country, and integrate themselves to the nation.

## Mission
### of the University

To promote innovations in education leading to restructuring of existing courses of Islamic Theology and Arabic, and introduction 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 encourage study of modern technological and professional courses.
- To take required steps for the introduction of interdisciplinary studies.
- 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.

# COURSES OFFERED BY ALIAH UNIVERSITY

| Engineering Courses | Intake |
|---|---|
| 4-year B. Tech in Computer Science & Engineering | 60 |
| 4-year B. Tech in Civil Engineering | 60 |
| 4-year B. Tech in Electronics & Communication Engineering | 60 |
| 4-year B. Tech in Electrical Engineering | 60 |
| 4-year B. Tech in Mechanical Engineering | 60 |
| 2-year M. Tech in Computer Science & Engineering | 18 |
| 2-year M. Tech in Civil Engineering | 18 |
| 2-year M. Tech in Electronics & Communication Engineering | 18 |
| 2-year M. Tech in Electrical Engineering | 18 |
| 2-year M. Tech in Mechanical Engineering | 18 |

## Science Courses

| | Intake |
|---|---|
| 3-year B.Sc. (Hons.) in Biological Science | 60 |
| 3-year Bachelors in Computer Application | 30 |
| 3-year Master of Computer Applications | 30 |
| 3-year B.Sc. (Hons.) in Chemistry | 60 |
| 3-year B.Sc. (Hons.) in Mathematics | 60 |
| 3-year B.Sc. (Hons.) in Physics | 60 |
| 3-year B.Sc. (Hons.) in Statistics | 60 |
| 4 year B.Sc. In Nursing (only for female candidates) | 60 |
| 2-year M.Sc. in Mathematics | 50 |
| 2-year M.Sc. in Statistics | 50 |
| 2-year M.Sc in Physics | 30 |
| 2 Year M.Sc. in Chemistry | 30 |

| Business Management, Law & Journalism Courses | Intake |
|---|---|
| 5-year Integrated Master of Business Administration (BBA+MBA) | 60 |
| 2-year Master in Law (LLM) | 30 |
| 2-year Master in Journalism and Mass Communication (MJMC) | 40 |

## Humanities & Social Science Courses

| | Intake |
|---|---|
| 2-year Master in Arabic | 50 |
| 2-year Master in English | 50 |
| 2-year Master in Bengali | 50 |
| 2-year Master in History | 50 |
| 2-year M.A./M.Sc. in Geography | 50 |
| 2-year Master in Urdu | 40 |
| 2-year M.A. in Islamic Theology | 200 |
| 3-year B.A. (Hons.) in English | 60 |
| 3-year B.A./B.Sc. (Hons.) in Geography | 60 |
| 3-year B.A./B.Sc in Economics | 20 |
| 3-year B.A. (Hons.) in Arabic | 65 |
| 3-year B.A. in Islamic Studies | 60 |
| 3-year B.A. (Hons.) in Urdu | 50 |
| 3-year BA (Hons.) in Bengali | 60 |
| 3-year B.A. (Hons.) History | 50 |
| 3-year B.A. (Hons.) in Islamic Theology | 200 |
| 2-year B.Ed. | 100 |

# ADMISSION PROCEDURE

*T*he Admission procedure at Aliah University is a rigorous, multi-layered and transparent process. The Admission process is conducted by Aliah University Admission Test (AUAT) Committee comprising of several members of the faculty who are entrusted with the task, usually for a two year term. The entire process has several stages.

The process starts with the publication of Admission Notification in leading English, Bengali and Urdu dailies. The Application Kits are distributed through various centres of the University throughout West Bengal. The applicants can apply online through the University website.

In the next step, the applicants have to appear for a Written Test in his/her chosen Centre of Examination from different venues spread all over the state. The Written Test incorporates two parts. The first consists of multiple-choice questions (MCQs) on English grammar and vocabulary, current affairs, reasoning power, and elementary knowledge of Islamic culture. The second part involves MCQs on Physics, Chemistry and Mathematics for 4-year B. Tech and 3-year B.Sc, BCA Programmes, and subject specific MCQs for 5-year Integrated MBA & 2-year Masters programmes.

The final Merit List is prepared on the basis of the applicants' score in the Written Test and percentile of the academic record (marks or grades) of the last Board / University Examination all taken together. At the final stage, successful candidates on the Merit List partitated in online  Counselling and Admission offers are made to them according to their ranks and availability of seats in different Academic Programmes of the University, through online mode.

10% seats of B. Tech courses are filled by successful candidates of WBJEE examinations. Candidates have to apply separately after publication of WBJEE results. They need not appear for AUAT.

To conclude, admission to different Academic programmes of Aliah University depends on various inputs from diverse components of the Admission process. Unless an applicant does well in all these segments, it is difficult for him/her to get into this university. The AUAT Committee has been constantly endeavouring to improve and fine-tune the Admission procedure.

# ENGINEERING Departments

Aliah University, established in 2007, has various undergraduate and post graduate programs in engineering, management, science, humanities and Islamic studies for socially and educationally backward classes belonging to the minorities. The different Engineering Departments of the University are as follows:

## Electrical Engineering

Electrical Engineering is one of the main core disciplines of all engineering streams. This Department of Aliah University was established in 2009. Presently seven regular faculty members, few visiting faculty members and some technical staffs are associated with this Department. Currently, the Department mainly offers 4 year B. Tech and 2 year M. Tech degree.

**Laboratories:**
1. Basic Electrical Engineering Lab
2. Signal Network Lab
3. Electrical Measurement Lab
4. Electrical Machines Lab
5. Power System Lab
6. Power Electronics & Drives Lab
7. Simulation Lab



**Role of the Department:**
To impart quality education to the students. Students are trained with most updated knowledge and research. The Department also emphasizes on imparting knowledge in different computer based programming domains (C/ MATLAB).

## Electronics & Communication Engineering

The Department of Electronics and Communication Engineering has been set up to impart quality education and research and to fulfill the growing demand of engineers in the field of electronics and telecommunication technology. The Department is in operation since July, 2009 and offers AICTE approved 4-year Bachelor of Technology, 2-year Master of Technology with specialization in Communication Engineering, as well as PhD Programme in Electronics and Communication Engineering. The first B. Tech. batch has completed their graduation in June, 2013 and the first M. Tech batch passed out in 2015. Presently the Department has one Associate Professor, seven Assistant Professors, few guest faculty members and three Technical Assistants. All faculty members have graduated from reputed Institutes such as IIT Kharagpur, Jadavpur University, IIEST Shibpur and Calcutta University. Some of them have industrial experience in reputed Communication, Electronics and Semi-conductor Companies.

# ENGINEERING Departments

## Laboratory Facilities :



- **B**asic Electronics Lab
- **A**nalog Circuit & Device Lab
- **D**igital Electronics and Logic Design Lab
- **M**icroprocessor and Microcontroller Lab
- **C**ommunication Lab

## Lab Equipment/Software Facilities :

- 3 GHz Spectrum Analyzer
- 8.2-12.4 GHz Microwave Power Meter
- Microwave test Bench Microstrip Trainer Set up
- EMI/EMC Trainer System
- Rader Trainer Set up
- Digital and Analog Communication Kits
- Transmission Line Trainer System up to 1.7 GHz
- Advanced Microwave and Microcontroller
- Training and Development Kits
- Digital Signal Processing Lab with high speed internet connection
- VLSI and FPGA Lab with high speed internet connection
- Fiber Optics and Optical Communication Lab
- M. Tech Project Lab
- Research Lab
- Laser and PIN Diode based Fiber
- Optic Communication Kits
- Optisystem (V12.0) - Optical
- Communication Design Software

- Optical Power Meter
- Spartan- 3E FPGA Strater Kit, Spartan-6 FPGA
- Development Board, Virtex-5 Evaluation Kit
- Xilinx ISE Design Suite 14.5
- Tanner Hiper silicon v16 design suite with SDL Facility
- Tanner Hiper Silicon- Hiper PX-2D licensed parasitic extraction tool
- Ansys HFSS Latest version DSP starter kit

# ENGINEERING Departments

## Mechanical Engineering

$\mathcal{M}$echanical 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, develop and manufacture nearly all types of physical machines, devices and systems. The key characteristics of the profession are its breadth, flexibility and individuality knowledge and research.

The Department of Mechanical Engineering is one of the premier departments of Aliah University that provides a unique academic and research environment. The Department was established in 2010 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, workshops, lab sessions, assignments, industrial trainings, seminars, internships, projects and many more.



The Department also attracts and features an extraordinary rich diversity of talented eight number of permanent faculty members from various specializations like manufacturing, thermal engineering, fluid mechanics, design, etc. It is running with Bachelor's, Master's and Doctoral Programs with an aim to keep pace with the rapidly evolving mechanical industry that demands unwavering passion and urge to innovate. At present, Dr. Shamim Haidar is holding the position of Head (Officiating). Currently, in the Department, there are 240 undergraduates including 1st year students. Also, the Department is running M.Tech. Programme in Manufacturing Engineering and Thermal Engineering. The intake capacity is 18 and currently, there are 33 post graduate students in both specializations.

The Mechanical Engineering Department has various laboratories such as
- Mechanical Workshop
- Fluid Mechanics and Machinery Laboratory
- Advanced Manufacturing Laboratory
- Heat Transfer and Air-Conditioning Laboratory
- Strength of Materials Laboratory
- Foundry Laboratory

Every year, the Department organizes a one day seminar named as "The Mechanical Day" in 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 aim of the Department is to focus on developing cutting-edge technologies of inter-disciplinary nature on multiple scales. In the end, it will broaden its self-definition and be a continuing resource of ideas to the academia as well as to the industry.

# ENGINEERING Departments

## Computer Science & Engineering

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 also started a Bachelors in Computer Application programme in the year 2018.

The Department currently has Eleven (11) efficient permanent Faculty Members (1 Associate Professor and 10 Assistant Professors), some guest faculty members, one Technical Assistant and two other staffs to run the courses smoothly. Good teacher-student relationship and well-equipped laboratories with modern software and hardware amenities help the department meet the current demand of industry and academia. In addition, the department is maintaining a steady growth in academic and research activities, which play an important role in bringing a healthy and vibrant academic environment.

The Department has 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 four 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.

Recently, Hewlett Packard (HP) has provided a Research Grant involving HP Workstation Z4 Pike along with two units of 24' Display devices to develop a Machine Learning and Artificial Intelligence Laboratory.

# ENGINEERING Departments

## Civil Engineering

*T*his is one of the dynamic department that contributed significantly in the growing stage of the University. From the inception of this university, the members of this department have cooperated extensively with the administration in developing the institute. The primary objective of the faculty is to create an environment of quality teaching and achieve a level of excellence in order to pursue their academic desires, thereby leading to a innovative society and improved lifestyle.

Civil engineering constitutes of five independent disciplines,

1) Structures
2) Water resources
3) Soil Mechanics
4) Transportation and
5) Environmental engineering

Instead of compartmentalizing, Aliah University is adopting an integrate approach to forge all these areas into a multi-disciplinary and application oriented course of Civil and Infrastructural Engineering at B.Tech level.

### Facilities and Laboratories:

- Structural Engineering Laboratory

- Concrete Engineering Laboratory

- Soil and Foundation Engineering Laboratory

- Water Resource Engineering Laboratory

- Transportation Engineering Laboratory

- Survey Laboratory

- Environmental Engineering Laboratory
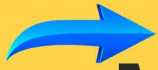
# MANAGEMENT Department

## Management and Business Administration

*T*he Department of Management and Business Administration was established with a vision to create 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. It offers five years Integrated Masters in Business Administration and Doctoral programme in Management. Presently the Department has sixteen full time faculty members.

The Department of Management & Business Administration is a vibrant one and keeps busy throughout the year with its full-time courses and various programmes. In 2016-17, the Department organized the first 7-Day Faculty Development Programme on 'Research Methodology', One-Day State Level Seminar on "Recent Trends in Capital Markets and Financial Innovations" for the students in collaboration with University of Calcutta, Calcutta Stock Exchange Centre of Excellence in Financial Markets and two International Conferences on Management & Business Practices (ICMBP) in the years 2017 and 2018. The themes was 'Millennium Management Paradigm and Contemporary Business Practices and 'Emerging Trends in Management Research'.

The Department also conducted consultancy programmes by imparting training on 'Retail Management' for the owners of the shops allotted in the markets constructed by New Town Kolkata Development Authority (NKDA) and 'Financial Management & Hospitality Management' for Self Help Groups entrusted with 'Patha Sathi's, North 24 Parganas on behalf of District Rural Development Cell, North 24 Parganas. The Department also conducted a workshop on Quality Assurance for the higher Education for senior faculty members of the State Islamic University of Mataram, Nusa Tenggara Bharat, Indonesia.

Students are the key stakeholders of the Department and are nominated to different seminars organized by professional bodies. They were also taken to PepsiCo Ltd. factory at Garia, Kolkata for an industrial visit.
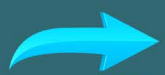
# SCIENCE Departments

## Department of Mathematics and Statistics

The Department of Mathematics and Statistics at the Aliah University started its journey in the year 2018 with the merger of the erstwhile Department of Mathematics and Department of Statistics. The Department of Mathematics and the Department of Statistics at Aliah University were established Since the inception of this university. The first course offered in 2009 was 5 years integrated M.Sc. programme in Mathematics and Computing and later in 2013, the Department introduced a separate 2 years M.Sc. programme in Mathematics.

Till date, around 80 students passed 5 Yrs. Integrated M.Sc. in Mathematics and Computing and more than 100 students in 2 Yrs. M.Sc. in Mathematics. Two of the 16 research scholars have been awarded Ph.D.(Sc.) degree in Mathematics. Apart from regular classes, the Department also provides remedial classes and special coaching classes for various national level competitive examinations, like NET, GATE, SET for Ph.D. admission and lectureships in different institutions. Four students of the Department cleared NET (2 UGC-JRF and 2 LS) held in June, 2016 and three cleared NET in December, 2016 under UGC-JRF scheme. In the last NET examination held in June, 2018, two of our students cleared NET under CSIR-JRF and UGC (LS) scheme. The Department of Mathematics and Statistics arranges National level Seminar/Conference/Workshop and invited lectures by renowned faculty members on a regular basis from other Institutes for the betterment of the students.

Training for soft skill as well as aptitude test concerning placement and counseling for job opportunities in some companies with national reputations are also provided. Faculty members of the Department are actively engaged in research work. In 2017-18, more than 20 research articles in journals of International repute have been published. The Department now strives to be one of the best departments in the country and to establish an international reputation as a centre for research and teaching in Mathematics and Statistics. The Department tries to bring out the honest, sincere and humane side of our students and motivate them towards involvement in outreach activities so as to transform them into responsible citizens of India in the near future.

## Department of Chemistry

The Department of Chemistry and Medicinal Chemistry was launched in the year 2009 with 5 years Integrated M.Sc in Chemistry (Medicinal Chemistry as special paper). From the year 2017, Integrated M.Sc with Organic Chemistry special paper was started. During the course, pure Chemistry (Organic, Inorganic and Physical Chemistry) is taught in the first 3 years to get the basic idea of Chemistry. In 4th year (semester VII & VIII) Medicinal Chemistry, higher Organic Chemistry and other papers such as Analytical Chemistry, Physical Chemistry and Inorganic Chemistry are introduced. Last year special papers (Medicinal Chemistry and Organic Chemistry) are taught where the students can apply their basic ideas for higher studies. The motive of the course is to prepare the students for education, research and industrial jobs.

# SCIENCE Departments

Apart from regular classes, the Department provides remedial classes and special coaching classes for various National level examinations, like NET, GATE, SET for Ph.D admission. Students go to different institutes (like Jadavpur University, University of Calcutta, IICB, Indian Association of Cultivation of Science and Companies like Chem Biotech) during their final year M.Sc project so that they can share their knowledge with other reputed institutes.

It is a matter of great pride that 3 of the students of the Department had cleared GATE and one of them is already working in IIT Guwahati. One student has cleared NET. 4 students have cleared JAM. One student has cleared TOEFL and is going to Canada for research work, 6 students are doing Ph.D in Jadavpur University. Several students have been selcted for Moulana Azad Fellowship and doing Ph.D in several Institutes. Till now 13 students were selected for job in Chem Biotech. Faculty members of the Department are actively engaged in research work and published several research articles in journals of International repute. At present, the Department has 6 projects worth more than 1 crore. The future plan is to provide knowledge to the students so that they can establish themselves as responsible personalities in the field of research, education and industrial field.

## Department of Physics

The Department of Physics at Aliah University was established with an ambition to pursue high level teaching methodologies and quality research in advanced areas of experimental & theoretical Physics, and interdisciplinary areas of science & technology.

The Department of Physics started functioning in 2009 with 5-year Integrated M.Sc.. course in Physics. In the final year, specializations are offered in Advanced Atomic, Molecular and Nuclear Physics as well as in Material Physics, Nano-Science and Technology with compulsory elective paper on Gravitation and Astrophysics. Moreover, students have to work on a specific scientific project under any of the present faculty members and give presentation on it at the final semester of their course. However, since last year, few outstanding students are selected and sent to various recognized research institutes like Saha Institute of Nuclear Physics (SINP), Variable Energy Cyclotron Center (VECC), Indian Statistical Institute (ISI) etc. to do their project works. The Department also offers Ph.D in Physics.

# SCIENCE Departments

At present, the Department has a strength of 8 vibrant faculty members involved in different thrust areas in teaching and research spanning over Atomic, Molecular and Optical Physics, Nuclear Physics and Nuclear-Astrophysics, Condensed Matter Physics, Material Physics, Nano-Science, Mathematical Physics, General Theory of Relativity and Astrophysics. Many of the faculty members have received national and international recognition for their research work in various exciting fields of present interest. The faculty members of the Department actively participates in various national and international research initiatives, conferences, seminars, and meetings etc. regularly.

Apart from the general laboratories designed for graduate and post graduate courses. The Department offers advanced laboratories like Langmuir-Blodgett (LB) system and Spin coater unit to prepare organic ultra-thin film, Semiconductor Thin film deposition using Cyclic Voltametry technique, Synthesis of metal-oxide thin film by chemical bath deposition, Dielectric measurements by impedance analyzer, Coherent Laser spectroscopy in atomic Rubidium vapour using external cavity diode laser (ECDL) etc. to the final year graduate students for project work as well as for the research students. The Department also offers high performance computing facility for doing precise theoretical estimations in various fields.

## Department of Biological Sciences

The Department of Biological Sciences at the Aliah University was started in year 2016 with the objective of imparting quality education along with promoting research and development in various disciplines of biological sciences ranging from animal diversity, plant diversity, taxonomy, physiology, microbiology, cell and molecular biology, biochemistry, computational biology, etc.

Since its inception, the department's vision has been to help students gain an in-depth exposure to emerging domains in life sciences and prepare them to be leaders in the field of research and development (R&D) in academia and industry alike. Besides working for development of scientific intellect among students, the department also organizes workshops and seminars on different scientific aspects and social awareness.

The department offers B. Sc. Honours with Zoology, Botany and Microbiology, each with 20 seats. Alongside, for first two batches only, Integrated M.Sc. in Biological Sciences with Zoology, Botany and Microbiology as major are being offered. In future we wish to offer B.Sc. and M.Sc. in 3+2 pattern in these subjects. PhD is also offered by different faculties on different aspects of biology as well as interdisciplinary fields.

Presently the department has a strength of eight vibrant faculty members from different specializations who alongside teaching and learning carries out different research works. The department presently has 4 basic undergraduate labs for Animal Diversity (Zoology), Plant Diversity (Botany), Molecular Microbiology and Biochemistry. Work is on for setting up of more labs for MSc, Computational Biology and Research.

# INFRASTRUCTURE

- Total Campus Area: 20 Acres
- Total Plinth Area of Building: 6 Lakhs sq.ft
- Library:

  - Total Number of Books: 36000
  - Number of National Journals: 64
  - Number of International Journals: 30
  - Online E-Journals - 3500
  - Magazines - 69
  - Newspaper - 16
  - Approximate Number of Books Issued Every Day: 150 - 200
  - Library has access to E-Books of 95 titles

- Databases - 07
  - Library has subscription of JSTOR, an academic resource
  - ASCE Library, full-text Civil Engineering database
  - IEEE online journal for Engineering Department

- Three Fully A/C (With A/V System) Seminar Rooms
- Boys' and Girls' Hostels
- Canteen
- Common Rooms
- Doctors in Campus
- Two Bus Facilities Available
- Employee Strength: 300(approx)

- Library has self Check-in Check-out facility for transaction of books.
- The RFID Technology has been implemented for rapid charging / discharging of books, Automated materials handling, Fast Track Circulation Operation and for scanning of books on the shelves without tipping them out or removing them.
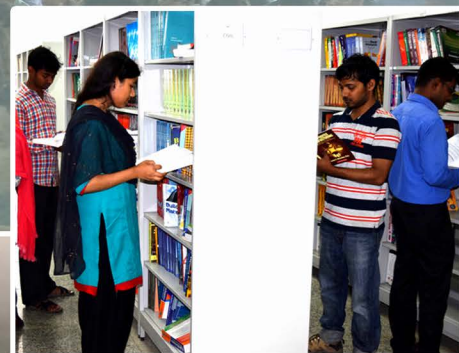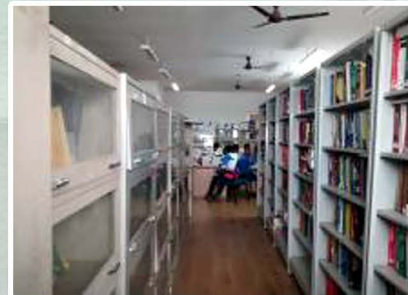
# STUDENTS' Achievements



Events organised & managed by Students Committees :

- Annual Cultural Function
- Tech Fest
- Annual Sports
- Re-union Program and many more.

18

# TRAINING & PLACEMENT
## Cell

*A*liah University (AU) started a full-fledged Training & Placement (T&P) Cell under the supervision of a full time Training & Placement Officer, Md Jakir Hossain Molla in November, 2015. Prior to this, the T&P Cell activities were coordinated by different faculty members and contractual placement officers. The University provides special training for the students of 2nd, 3rd & 4th year for the development of various skills like Soft Skill (Aptitude, HR, GD, PI etc.) and English Communication Skill required for employability enhancement.

Realizing the importance of placement, the T&P Cell maintains liaison with various industries; more than 50% of the 2016, 2017 and 2018 batches have already got lucrative jobs in different sectors. Educational training is the backbone of the career of a student to be placed in a reputed company. Practical training for both Engineering and Management students is an integral part of the curriculum. The students are introduced to industrial practices through training programmes. Here soft skills lab, advance computing lab, all-time internet and career guidance support the students to prepare for exams like GATE/GRE. These programmes help students by augmenting their chances for better placement. The University also has infrastructure for industrial training in ERP, VLSI, GIS, Embedded software, J2EE, .NET, etc. Computers have Linux environmental facilities where required. The T&P Cell interacts with corporates on a regular basis and arranges for student placements.
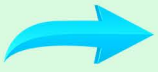
# TRAINING & PLACEMENT
## Activities

*T*he competition for employment is intersifying day by day and fetching a good job is becoming a challenging task. Only academic study is not sufficient for it. Keeping this in mind, the Training and Placement Cell endeavour's to achieve 100% smooth journey of all the professional students from classroom to corporate world with 'One Person One Job' policy. The major activities of the Cell include:

- **D**eveloping strong network between the University and the corporate world throughout India.
- **A**rranging on and off campus placement programmes.
- **O**rganizing Pooled campus drives at Aliah University.
- **A**rranging step by step training methodology to develop various employable skills including interview handling skills of the students.
- **E**mploying professional trainers from reputed training agencies to train the students on Mock Interviews, Aptitude Tests, Group Discussions, Online Tests, Personality Development Tests and HR Interview.
- **O**rganizing seminars and lectures periodically by eminent personalities from both academia and industries.
- **A**rranging Technical Training by Technical experts and Industrial Visits during semester breaks to get practical exposure.
- **A**ssisting the final year students in getting industry projects related to their domain.

## Objectives of the Training & Placement Cell :

- **T**o develop overall personality of students and to make them employable in private/public sectors and MNCs.
- **T**o develop various skills like aptitude, reasoning, communication leadership, interpersonal, technical, and soft skills to meet the corporate recruitment process.
- **T**o motivate students to aspire for higher studies and guide them to appear in competitive exams such as GATE/GRE, etc.
- **T**o eradicate skill deficiencies and increase the academic standard at par with the corporate needs.
- **A**iming to place the maximum number of students through on-campus, pooled-campus and off-campus interviews conducted by reputed Government / Private organizations and MNCs.

# Training :

***T***he T&P Cell organizes regular training programmes on grooming, mock interviews, etc for the students. Practical training for engineering students is an integral part of the curriculum and in-built into the programs of study. The students are introduced to industrial practices through training programs. At Aliah University students have access to soft skill lab, advance computing lab, all time internet and career guidance support. Competition for employment is intensifying day by day and fetching a good job is becoming a challenging task. Keeping this in mind, the Cell organizes a series of in-house grooming programmes, e.g

**(i)** Interactive Seminars & Workshops
**(ii)** Aptitude & Soft Skill Classes
**(iii)** In-depth counseling by experts
**(iv)** Mock interviews
**(v)** Arranging technical training by technical experts and industrial visits during semester breaks to get practical exposure.

# Internship Programmes :

***A***iming to place the maximum number of students through On Campus, Off Campus & Pooled Campus interviews, the T&P Cell helps the students in getting practical exposure through internship programmes related to their domain.

# PRE-PLACEMENT Training :

As placement is of vital importance, English communication and rigorous pre-placement drills accompany all courses. Our pre-placement training includes:

**Soft Skills Training :**
Hones the English and Business Communication of the students by stressing on their English grammar, fluency in speech through extempore, debates and other speech-oriented exercises, aptitude building, group discussion, HR Skills, CV Writing, interview techniques, and many more...

**All Round Development :**
Through career planning, decision making skills, confidence building, teamwork abilities, organizational skills, customer care, managing your manager and prioritizing workloads.

**Live Business Projects :**
Opportunity to work on live projects, corporate forerunners and industrial leaders through lectures and seminars, Interaction with entrepreneurs.

# Training :

**Step1**
- **T**raining in interview skill to help students deal with tough and tricky interview scenarios
- **P**ractical-oriented training and Laboratory workouts on trendy technologies
- **T**raining in English Communication to remove inhibitions and encourage fluency of speech

**Step2**
*Institute-Industry-Interface*
- **P**ractical experiences through labs, live-projects and industry visits make it easy to understand the subjects with better clarity
- **A**llow student interaction with entrepreneurs and corporate leaders through lectures, seminars, and group discussions
- **A**ssist students understand the intricacies of integral fundamentals
- **H**elp the students imbibe corporate culture and norms

**Step3**
*Practical training to produce lucrative placements*
- **I**ndustrial training gives knowledge of the professional world outside
- **S**ummer internship Programmes in top firms.
- **C**over all the major components of the curriculum
- **P**ractical and Project works as per industry standard
- **O**ffers hands-on experience of working on live projects
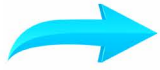
# COMPANIES PROVIDING
## Industrial Training & Internship Programme

*P*artial list of companies providing  Industrial Training & Internship Programmes :

| | |
|---|---|
| ➤ Eastern Railways | ➤ NTPC |
| ➤ Hindustan Aeronatics Ltd | ➤ L&T |
| ➤ Kolkata Tramways Company Ltd | ➤ Simplex Infrastructures |
| ➤ PWD | ➤ Shapoorji Pallonji |
| ➤ WBPDCL | ➤ STUP Consultants Pvt Ltd |
| ➤ CESC Limited | ➤ Titagarh Generating Station |
| ➤ SAIL | ➤ Mackintosh Burn Ltd |
| ➤ All India Radio | ➤ Gammon India Ltd |
| ➤ WBSETCL | ➤ Mother Dairy Calcutta |
| ➤ NKDA | ➤ BIL Infratech Ltd |
| ➤ Durgapur Steel Thermal Power | ➤ PepsiCo |

# PLACEMENT Highlights

A few top recruitments of 2017 and 2018 (Aliah Achievers)

Sahil Mortuza (CSE)
Roll No. CSE144001
Cognizant & ADP

Faisal Khan (CEN)
Roll No. CEN144022
BYJU'S-The LearningApp

Md Saif Alam Ansari (ECE)
Roll No. ECE144025
Amazon

Sagar Chakraborty (ECE)
Roll No. ECE153005
Amazon

Asif Haider (MEN)
Roll No. MEN144003
Amazon

Sudipta Das (ECE)
Roll No. ECE144003
Amazon

Tanveer Raza (EEN)
Roll No. EEN144048
RDC Concrete

Sabiha Sultana (ECE)
Roll No. ECE144001
Cognizant

Raihan Afsar (CSE)
Roll No. CSE144042
Cognizant

Ashir Mollick (MBA)
Roll No. MBA13513
M/s . Ramky Enviro
Engineers Limited

Md Mahabub Alam
Khan (MBA)
Roll No. MBA13501
Ramco Cements
Limited

Amir Hasmi (MBA)
Roll No. MBA13539
NJ India Invest Pvt.
Ltd.

Md Earshad Ali (MBA)
Roll No. MBA13517
M/s. Ramky Enviro
Engineers Limited

Ishrat Ara Khatun (ENG)
Roll No. ENG13501
Irvine Infocom Pvt. Ltd.

Sanghamitra Ghatak (ENG)
Roll No. ENG162008
Irvine Infocom Pvt. Ltd.

Ismail Sarkar (ENG)
Roll No. ENG162026
Irvine Infocom Pvt. Ltd.

Somi Sabnam (ENG)
Roll No. ENG162026
Irvine Infocom Pvt. Ltd.

Md Zakaria (ECE)
Roll No. ECE144006
Sketch Web Solutions

Nowshaba Khan (ECE)
Roll No. ECE144043
Sketch Web Solutions

Md. Rezauddin (MCA)
Roll No. MCA13512
ABM Technologies

Sk Amber Razza (EEN)
Roll No. EEN144029
Sketch Web Solutions

Sk. Samimuddin (MBA)
Roll No. MBA13511
Skill Lab Academy

Swarup Mondal (MSc)
Roll No. CSC13523
Webskitters Technology

Tahirul Islam (ENG)
Roll No. ENG162009
Irvine Infocom Pvt. Ltd.

Asif Iqbal Khan (MEN)
Roll No. MEN144027
Lumino Industries
Limited

# Placement Highlights

**Shaheen Ali (CSE)**
Roll No.CSE124015 (2016)
*Cognizant & Sketch Web Solution*

**Masadul Hossain(EEN)**
Roll No.EEN124001 (2016)
*Tata Consultancy Services*

**Mehtab Hussain (MEN)**
Roll No.MEN13425
*Amazon & OGeneral*

**Kumar Sourav Singh (MEN)**
Roll No.MEN13404
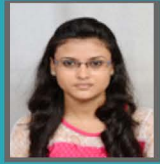*Ogeneral*

**Nishat Afroz(EEN)**
Roll No.EEN252014
*Amazon*

**Md Kamran Azam (EEN)**
Roll No.EEN13420
*Taurus Powertronics*

**Md Amin Shahbaz (EEN)**
Roll No.EEN13432
*Taurus Powertronics & Eclick*

**Md Mojibul Hasan(ECE)**
Roll No.EEN13432
*Amazon & Onqanet Technology*

**Afruza Akhter (ECE)**
Roll No.ECE13414
*Onqanet Technology*

**Neha Farheen (ECE)**
Roll No.ECE13401
*Onqanet Technology*

**Shafkat Akhter (EEN)**
Roll No.EEN13412
*Eclick Software*

**Suraya firdaus(ECE)**
Roll No.ECE13404
*Onqanet Technology*

**Khushnood Adil Rafique(MCA)**
Roll No. MCA125008
*Onqanet Technology & Eclick Software*

**Amanullah Azad (CSE)**
Roll No.CSE124024
*Bitwave solutions*

**Adil Alam(MBA)**
Roll No.MBA11015
*Bitwave solutions*

**Danish Ahmed(MEN)**
Roll No.MEN13407
*Amazon & OGeneral*

**Munir Ahmad(ECE)**
Roll No.ECE13405
*Amazon*

**Farha Naaz(MBA)**
Roll No.MBA125010
*Future Focus Infotech*

**Zeba Shaheen(CSE)**
Roll No.CSE13407
*Eclick Software*

**Saharuck Mallick(MBA)**
Roll No. MBA125034
*Future Focus Infotech*

**Sarfaraz Ahmed(MBA)**
Roll No.MBA125009
*Lumino Industries*

**Md Tauqir Aslam(CSE)**
Roll No.CSE 13404
*Amazon*

**Bushra Kamal (CSE)**
Roll No.CSE13410
*Amazon*

**Jaseem Akhtar (MEN)**
Roll No.MEN13417
*Amazon*

**Humayun Kabir(ECE)**
Roll No.ECE13430
*Orphicard*

**Zeba Mahboob(CSE)**
Roll No.CSE124019
*Amazon*

**Deepshika Shaw (MCA)**
Roll No. MCA125002
*Onqanet Technology*

**Shain Kadir (MSC)**
Roll No.Chem125008
*Unimark Remedies Ltd*

**Sk Abdul Kaium (CEN)**
Roll No.CEN124005
*Tantia Construction*

**Asif Ali Molah(MEN)**
Roll No.MEN13411
*Ogeneral*

**Rumman Ansari(CSE)**
Roll No.CSE13421
*Magne Consulting & Onqanet Technology*

**Shafaque Anjum (ECE)**
Roll No.ECE13406
*Onqanet Technology*

**Moniruddin Biswas (MBA)**
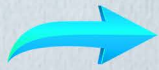Roll No: MBA125003
*Future Focus Infotech*

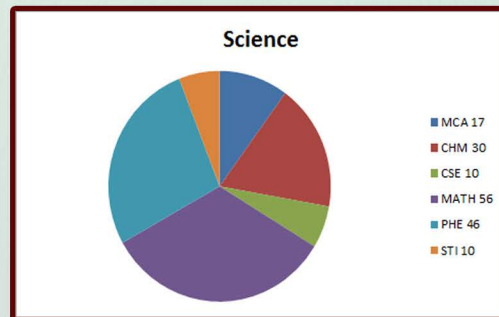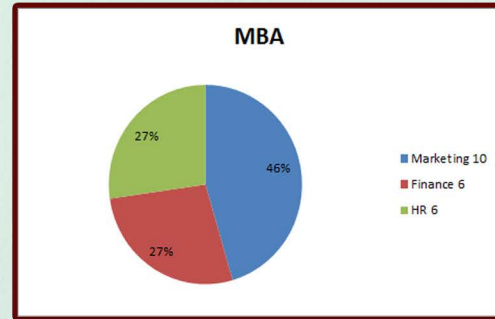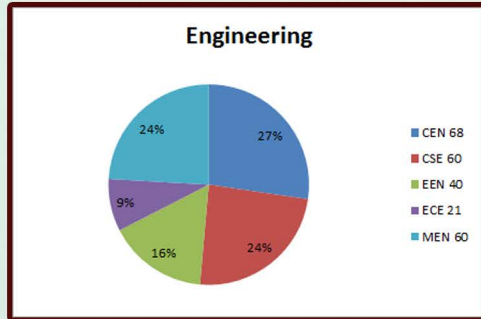**Kazi Zulfikar Ali (MBA)**
Roll No. MEN13419
*Amazon*

**Abu Sufyan (CSE)**
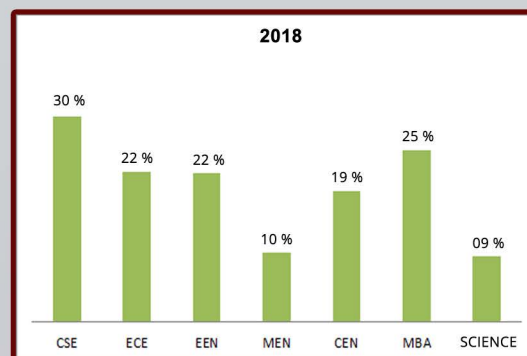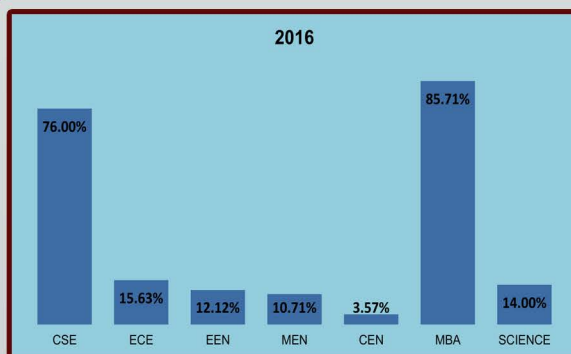Roll No.CSE13413
*Onqanet Technologies*

*…and many more.*

# BATCH PROFILE for Final Placement

### Engineering



- CEN 68 — 27%
- CSE 60 — 24%
- EEN 40 — 16%
- ECE 21 — 9%
- MEN 60 — 24%

### MBA



- Marketing 10 — 46%
- Finance 6 — 27%
- HR 6 — 27%

### Science



- MCA 17
- CHM 30
- CSE 10
- MATH 56
- PHE 46
- STI 10

## Placement Statistics

### 2016



- CSE 76.00%
- ECE 15.63%
- EEN 12.12%
- MEN 10.71%
- CEN 3.57%
- MBA 85.71%
- SCIENCE 14.00%

### 2017



- CSE 35.71%
- ECE 34.38%
- EEN 52.94%
- MEN 45.83%
- CEN 12.50%
- MBA 40.63%
- SCIENCE 22.86%

### 2018



- CSE 30 %
- ECE 22 %
- EEN 22 %
- MEN 10 %
- CEN 19 %
- MBA 25 %
- SCIENCE 09 %

# OUR PROMINENT RECRUITERS

The Cell continuously coordinates with various industries and organizations for placement of the students. It has already successfully placed a percentage of students in industry. It actively obtains feedback from organizations and conveys it to respective departments which, in turn, train students accordingly, thereby increasing their employability.

*...and many more.*

# PLACEMENT COORDINATOR Team



| Sl. | Name | Contact details | E-mail id |
|---|---|---|---|
| 1 | Md Jakir Hossain Molla | 9933506719 / 8584853842 | tpo@aliah.ac.in |
| 2 | Dr. Nasim Ali Khan | 033-23416581 | dr.nak.ee@aliah.ac.in |
| 3 | Dr Parveen Ahmed Alam | 033-23416540 | ahmedparveen2003@yahoo.co.in |
| 4 | Dr Samiran Sur | 033-23416546 | samiran.sur@aliah.ac.in |
| 5 | Dr Md Maidul Islam | 033-23416507 | maidul.chem@aliah.ac.in |
| 6 | Dr AKM Maidul Islam | 033-23416529 | maidulislam.phy@aliah.ac.in |
| 7 | Dr Sahabuddin Sarwardi | 033-23416518 | sarwardi.math@aliah.ac.in rh78. |
| 8 | Mr. Wasim Akram | 033-23416552 | wasim.p46@gmail.com |
| 9 | Mr. Rafiqul Haque | 033-23416596 | rh78.nech@gmail.com |
| 10 | Mr Sain Shaikh | 033-23416576 | sain.ece@aliah.ac.in |
| 11 | Dr Sumanta Ray | 033-23416564 | sumanta.ray@aliah.ac.in |
| 12 | Mr Hare Krishna Maity | 033-23416537 | hkmaity@aliah.ac.in |
| 13 | Dr. Md Zakir Hossain | 033-22416479 | zakircdri@gmail.com |
| 14 | Mr Asif Iqbal | 033-23416420 | asif@aliah.ac.in |

# CONTACT US
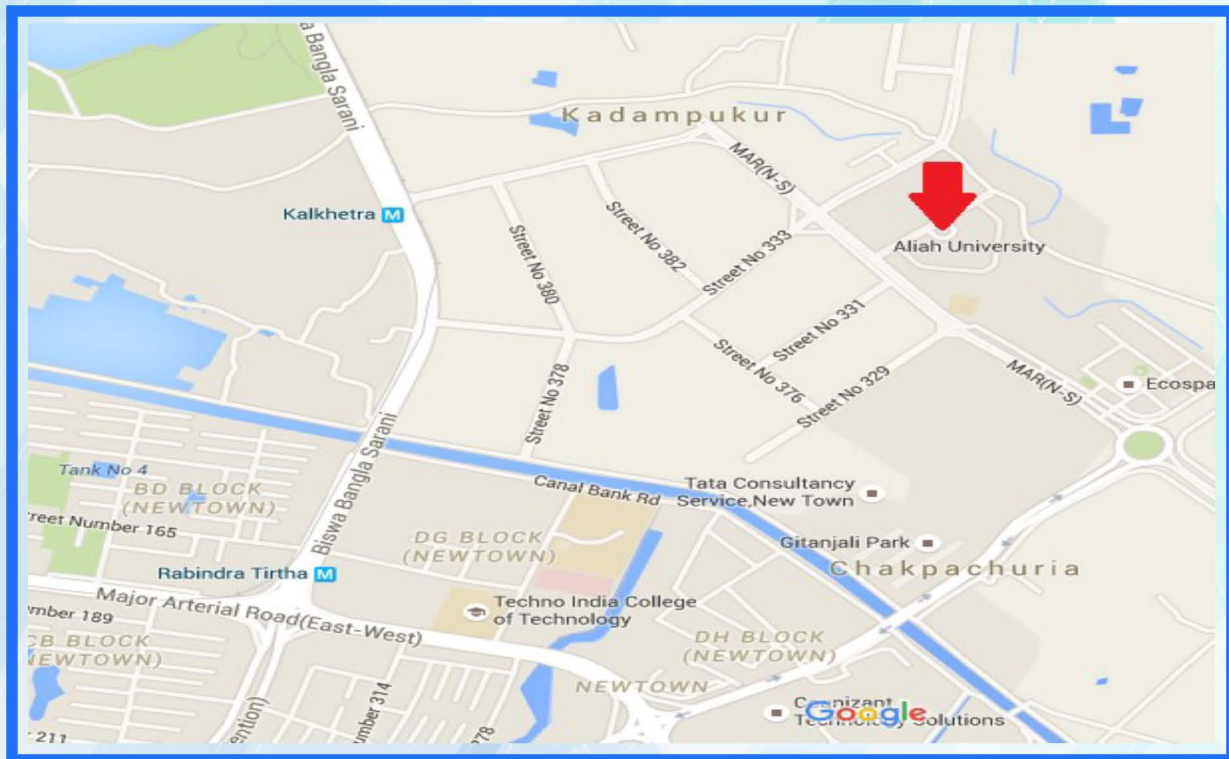


## How to Reach:

✈️ Aliah University is 10 Km away from Netaji Subhas Chandra Bose International Airport, Kolkata.

🚌 30 Km away from Howrah & 16 Km from Sealdah Railway Station.

🚗 Private Transportation.

## Training and Placement Cell:

**Md. Jakir Hossain**

Training and Placement Officer
Aliah University

📱 +91-9933506719/+91-8584853842

☎️ +9133-23416410

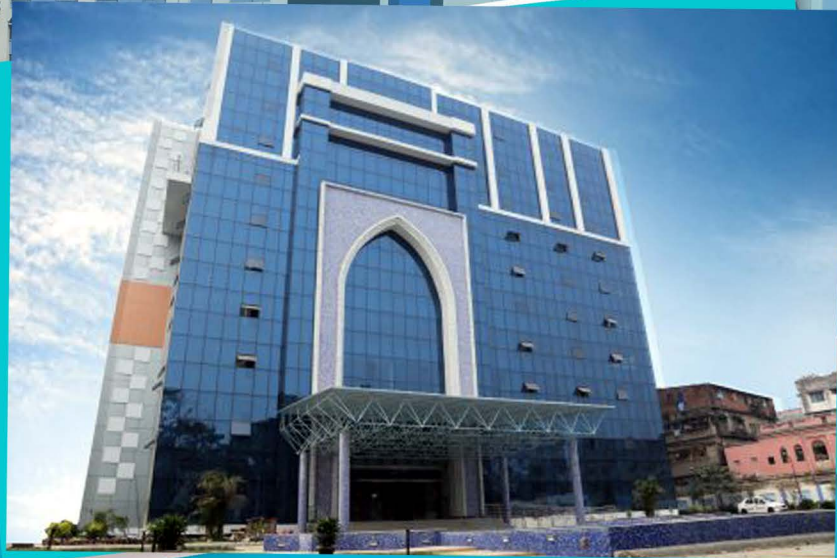✉️ jakirhossain20@gmail.com, tpo@aliah.ac.in

🌐 www.aliah.ac.in

# ALIAH UNIVERSITY

# Aliah University

New Town Campus
IIA/27, New Town, Kolkata-700160
Website: www.aliah.ac.in