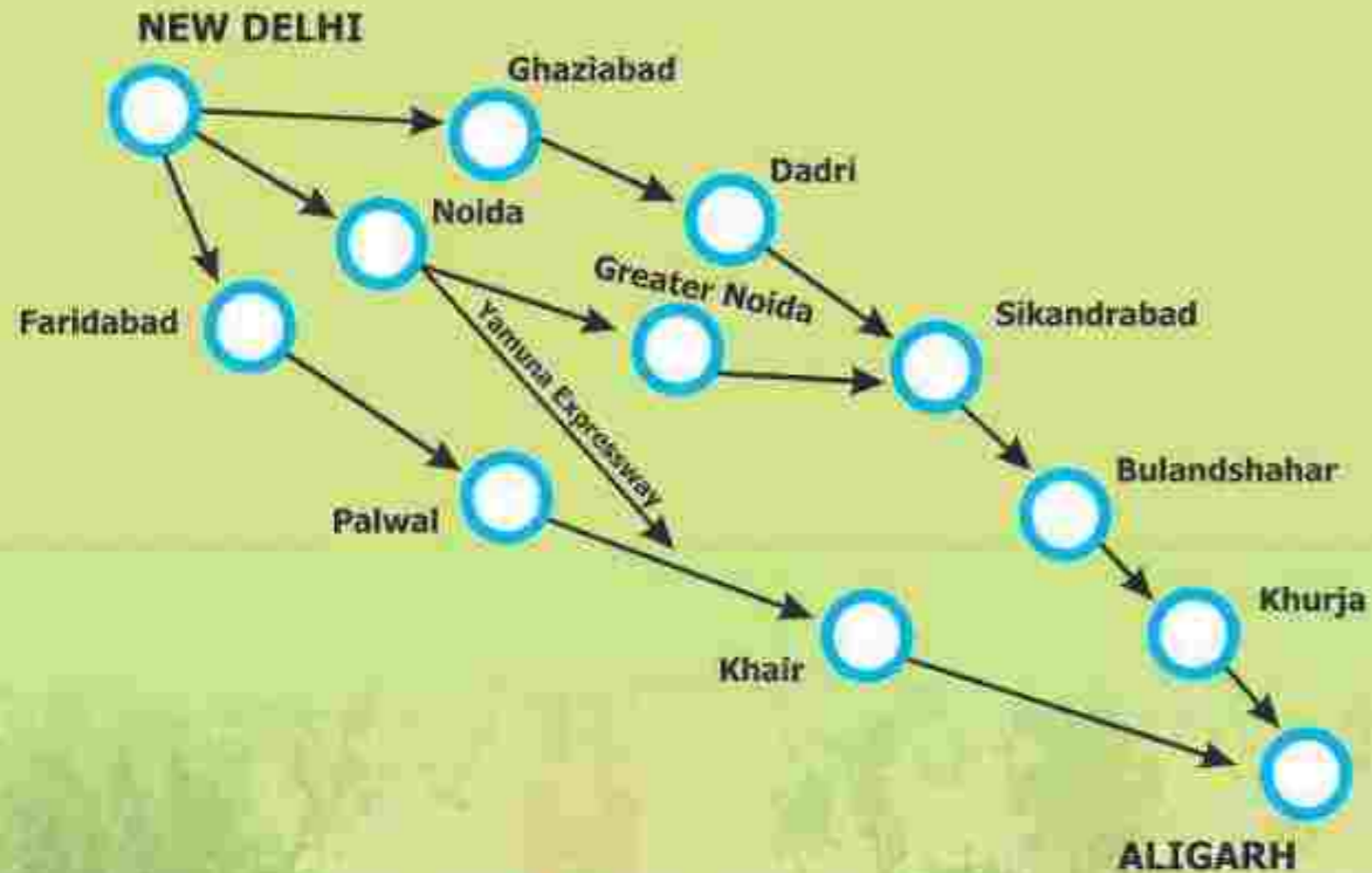


CONNECTIVITY

Aligarh is situated in the mid of Doab-the land between the Ganga and Yamuna rivers, at a distance of 130 kms south east of Delhi-Howrah rail route and the Grand Trunk Road. The latitude is 27°05' E. The climate is hot and dry in summer and cold and dry in winter with an intervening rainy season. The University camour is 3 km from the Aligarh town. Being an industrial town, excellent connectivity is available from NCR both, through railways and roadways



CONTACT US

TRAINING AND PLACEMENT OFFICE

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ALIGARH MUSLIM UNIVERSITY



ZAKIR HUSAIN COLLEGE OF ENGINEERING AND TECHNOLOGY

PLACEMENT BROCHURE





OUR FOUNDER- SIR SYED AHMED KHAN (1817-1898)

Sir Syed Ahmed Khan held the view that education was a means of fostering and cultivating the inherent potentiality of the child. He said that through education mankind individually and collectively marched towards progressive development.

Formulating the aims of education he said, "the greatest aim of education and training is to engender piety, morality and humanness in human beings. He opposed the theoretical knowledges". He opined that education should aim at the harmonious cultivation of the physical, moral, intellectual and aesthetic sides of human nature.

He also said: "when a nation becomes devoid of arts and learning, it invites poverty. When poverty comes it brings in its wake thousands of crimes". He also held the view that education was important for all round development of human personality. Emphasizing the importance of education, Sir Syed said, "The human soul without education is like a rough piece of marble, and unless the sculptor works on it and removes its roughness, its good qualities remain hidden in it, and its fascinating shades, beautiful views do not appear. The same is the condition of human soul".

He also said, "The purpose of education has always been to enable a man to develop his intellectual powers to the full so that he may grasp the significance of any situation that arises, that he may know the difference between right and wrong and gain the ability to contemplate the divine mysteries of nature. Education should strengthen his character, help him to look after himself and concentrate on the life to come".

TABLE OF CONTENTS

OUR FOUNDER: SIR SYED ON EDUCATION	1
OUR MISSION AND VISION STATEMENT	2
MESSAGES	
VICE CHANCELLOR	3
DEAN	4
PRINCIPAL	5
TRAINING AND PLACEMENT OFFICER	6
ZHCET LEADING THE INNOVATION	7
ACCOLADES	8
ACADEMIC STRUCTURE	
ARCHITECTURE	12
CHEMICAL	13
CIVIL	14
COMPUTERS	15
ELECTRICAL	16
ELECTRONICS	17
MECHANICAL	18
PETROCHEMICAL	19
ADMISSION PROCEDURE & FACILITIES	22-23
RESEARCH & DEVELOPMENT	24-25
SAE ZHCET	26-27
AMU ROBO CLUB	28
AUU CHCET	29
IEEE STUDENT BRANCH	30
UAV	31
MLSA	32
CODE CHAF	33
ODSC	34
STUDENTS ACTIVITIES	36-39
BEYOND THE CLASS ROOM	40-41
OUR MENTORS	42-45
OUR PAST RECRUITERS	46-47



ALIGARH MUSLIM UNIVERSITY

Aligarh - 202 002, U.P., India.
A Central University (NAAC ACCREDITED "A+" GRADE)

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PROF. MOHAMMAD GULREZ
M.Phil., Ph.D. (Political Science)

Vice-Chancellor

28th October 2023

Message



I am happy to learn that Zakir Husain College of Engineering & Technology (ZHCET) is publishing its placement brochure for the Academic Session 2023-2024.

ZHCET provides a lively environment which is conducive for learning, development and honing of talent, exchange of ideas and fostering a new generation of leaders. The students are provided with abundant opportunities for real-world experience before they start their professional career. The top-tier educational programs of study provide strong technical fundamentals for innovative thinking to our students. They are extensively trained in innovation and interdisciplinary research by internationally experienced faculty.

I am confident that our students will excel in all spheres of life and will be an asset to the organisations that they become a part of, as they are ours. I wish them a very bright future.

Prof. Mohammad Gulrez

DEAN'S MESSAGE

In the present era with rapid technological advancement, it has become more challenging for any academic institution to come at par with the expectations of the industry, meeting the global demands. This is only possible if the institution keeps abreast with the fast growing nature of the demands and keeps its curriculum updated accordingly. This is more so because in the present time the success of the institution depends on the graph of its placements.



The Zakir Husain College of Engineering and Technology (ZHCET) at Aligarh Muslim University, which is well known for its high quality research and teaching programmes, takes pride on creating an environment that facilitates academic as well as the overall development of the students. The main emphasis here has always been on a B. Tech and M. Tech curriculum that not only guarantees academic excellence by producing technically proficient minds but also prepares young graduates to cope up with the professional challenges of the industries. This year we have modified our B. Tech. Ordinances and are in the processes of developing new Curriculum with provisions for compulsory internship and on line courses. We will shortly also modify the M. Tech. Ordinances and curriculum taking into consideration the present day demand of the society. This is done judiciously following student-centered learning environment with close student-faculty interaction.

The college has earned laurels recently by having its most of the undergraduate and post-graduate programs accredited for six years by National Board of Accreditation (NBA). The college owes a lot to its alumni for its national and international standing. The students usually come from varied educational and social backgrounds. The college has produced an impressive cohort of alumni, including eminent professionals, successful entrepreneurs, and influential leaders. Many of the alumni have come forward to help create cutting edge facilities at the college to meet the present day challenges.

The Training and Placement Office at ZHCET is run by an efficient team of TPO, office staff and students and handles all aspects of placements at the college. It contacts companies, manages all logistics of arranging for tests, pre-placement talks and conducting of final interviews. It also arranges training for the students.

I take this opportunity to thank all those organizations, who bestowed their faith on us in the past and have come at the ZHCET to recruit our students. At the same time, I also invite all those organizations who for some reason could not visit our campus earlier to come and see themselves what commitment we have for them.

Looking forward to continuing our relationship.

A handwritten signature in black ink, appearing to read 'Dr. Mohammad Altamush Siddiqui'.

Dr. Mohammad Altamush Siddiqui
Professor Department of Mechanical Engineering
Dean, Faculty of Engineering and Technology

Dated: 04.02.2023

THE PRINCIPAL
PROF. M.M. SUFYAN BEG

Qualification : Ph.D.
Designation : Professor
Thrust Area : Computer Architecture,
Parallel and Distributed Computing,
High Performance Data Mining,
Web Mining and Searching,
Fuzzy Logic and Systems
Mobile : +91-9999071406
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MESSAGE FROM THE PRINCIPAL

Dear Student,

"We cannot always build the future for our youth, but we can build our youth for the future"
-Franklin D Roosevelt.

These words best describe our aim at ZHCET, our institute strives to give professional education a new perspective. ZHCET is one of the most eminent Higher Education institution today renowned for the standard of its facilities, student and alumni.

The essence of engineering and management education which has spread in India is a very positive sign not to cater domestic needs but provide manpower to entire world and become technically trained community, ZHCET is contributing to the endeavour.

The faculty in the college is one of the best in its class and the college has a tieup with several reputed industries in the country so as to provide an excellent on-campus placement to it's graduating students.

I feel elated seeing the alumni doing so well in their respective streams. I hope that this batch will lift up standards of ZHCET even more and do us proud.

Best Wishes.

**THE TRAINING & PLACEMENT OFFICER
MR. MOHD. FARHAN SAEED**

Qualification : B. Sc. Engg. (Civil Engineering) (AMU Aligarh)
MBA (HR & Industrial Relations) (Australia)
Mobile No. : +91 8171160225
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Zakir Husain College of Engineering & Technology (ZHCET)

Aligarh Muslim University is awarded Grade 'A' by NAAC. The National Institutional Ranking Framework (NIRF) from MHRD ranked us 10th among Universities and 17th overall in 2016. We were ranked 22nd in 'Teaching, Learning & Resources' and 24th in 'Research & Professional Practice' (included all IIT's, NIT's & centrally funded institutes). All B.Tech. Courses and most of the P.G. courses at ZHCET are accredited by The National Board of Accreditation (NBA). We have proudly produced 2 Bharat Ratna, 9 Padma Vibhushan, 11 Padma Bhushan and more than 50 Padma Shri Awardees.

Academic & Technical: At the end of the day all Vision & Mission statements, however great, become irrelevant unless supported by great minds and a great team. To this end the University provides educators who are among the best in their respective streams and special emphasis is on collaborations with industry leaders (which is vital in today's fast paced industry) so that the students are abreast of/trained in the latest developments in their field. The infrastructure provided in Aligarh Muslim University is second to none. Technical equipments range from the most basic to state of the art machines i.e. CNC & Robotics etc. Process is underway with 'SIEMENS' to open a 'Centre of Excellence' on campus which shall provide the latest research and training on site to both staff & students. Industrial training is provided by the TPO for each batch every year.

Beyond the Curricula: Further to an excellent academic & technical program at ZHCET, we have an organized University Games Committee with sprawling Soccer, Hockey, Lawn Tennis, Volleyball, Basketball & Cricket grounds, Indoor badminton, Gym, Table Tennis, NCC & NSS. There are indoor and an outdoor Olympic sized swimming pool along with a highly decorated University Horse Riding Club.

The University gives importance to the Arts & Culture and to this end we have a cultural & literary society. The students can participate & train in Drama, Debates, Music, Fine Arts, Calligraphy and other cultural and literary activities so they are groomed to be cultured individuals and good human beings. These facilities are available for both boys & girls.

ZHCET has a long list of illustrious Alumni that includes Zafar Iqbal (Olympic Gold Medalist in Hockey), D.P. Agrawal (Ex-Chairman of UPSC), Mansoor Ahmed (GM, Airport Authority of India), Anubhav Sinha (Noted Film Director), Khusboo Mirza (Member of Chandrayaan-I Team), Sudhanshu Jain (Director, Alcatel), Taher Madraswala (President and CEO, Open Silicon Inc.), Aamir Qutub (CEO, Enterprise Monkey) and many many more.

I am sure your company will find the best of talent and skilled graduates at ZHCET who will contribute positively to the goals envisioned. We look forward to hosting all esteemed organizations with pleasure at ZHCET.



Zakir Husain College of Engineering and Technology is one of the oldest institutions of the country providing quality technical education for around 76 years. It is an in-house college of Aligarh Muslim University. The university itself is 136 years old and since its inception has been providing quality education to one and all without any discrimination on any grounds whatsoever.

The graduate and postgraduate programmes have been designed to make the students learn the different aspects of engineering and act as pioneers in the contemporary competitive environment. The dynamism is expressed through path-breaking innovations in both, its programmes and research, to keep abreast with the latest. The doctoral programmes were started in 1969 and have been the basis of research and innovation since their inception.

The college has 11 academic departments. Seven of these are offering Bachelor of Technology, Master of Technology, Bachelor of Engineering and Doctorate degrees, one of them is offering Bachelor of Architecture degree and three remaining departments are support departments offering Master of Technology, M.Phil and Ph.D degrees. It is also a partially residential institution with majority of students being allocated residential facilities in the university campus itself. Special efforts to recruit talented faculty and stringent admission procedures to select brilliant students across the country assures a formidable and intellectual capital at any given time in campus.

Globally accepted as a vibrant seat of academic and professional excellence, ZHCET is known for innovative approach, academic rigor and strong culture. Today thousands of our engineers, architects, managers, entrepreneurs are active across the globe.

OUR COLLEGE

1. Zakir Husain College of Engineering and Technology was ranked 21th by The India Today – India's Best Engineering College 2015.
2. It was given 35th rank in Top Engineering Colleges 2015 by Outlook India.
3. Week-Hansa Research Survey 2015: Best Engineering College ranked ZHCET 52nd.
4. Outlook also ranked it 1st among Government owned institutions in terms of ROI and 10th among all in terms of student to faculty ratio.

OUR UNIVERSITY

1. Aligarh Muslim University was accredited by National Assessment and Accreditation Council (NAAC) in A grade. 3.35/5
2. AMU Ranked 90th among Asia University by Times Higher Education, Asia Ranking 2015.
3. Times Higher Education Magazine, UK ranked AMU 9th among the top ten institutions of higher learning in India.
4. AMU stands at rank 78th in The Times Higher Education BRICS & Emerging Economies Ranking 2015.

STUDENTS' ACHIEVEMENTS

1. Piyush Varshney has been selected in the Indian Air Force as the fighter pilot.
2. Hans Siddiqui, Aftaab Usmani and Sameerah Desnawi, won 2nd prize in ST Microelectronics on the project 'E – Paper Based Electronic Shelf Display through GSM'.
3. Team Green Warriors under the umbrella of SAE-ZHCET Collegiate Club participated in EFFICYCLE-2014 and secured 18th rank.
4. AIR 19 and Most Popular Car Award at Formula Student India 2015.
5. Syed Yusuf Ali (II Year Mechanical), Sameer Hasan (II Year Mechanical) and Abhinandan Jain (II Year Electronics) participated in the student paper presentation competition and were awarded the first prize in 2nd Unmanned Systems Conference and Exhibition, India, 2014.
6. Belal A. Siddiqui (IV Year Chemical) and Sharif Kidwai (III Year Electrical) were awarded with a gold medal at the International Research Conference on Science, Health and Medicine – 2014, Dubai UAE.
7. Anand Agrawal, filed a patent for the project 'Split Sprint Timer'.
8. Shahzen Khan (II Year Petrochemical) was awarded 1st Prize for paper presentation at HEECON 2015.
9. Ankur Sharma has been Australian Government's International Post Graduate and Research Scholarship (IPRS).
10. Saba Ameer (IV Year Architecture) & Farheen Fatima (M.Tech Nanotechnology) were awarded 3rd Prize for paper presentation at Cognizance 2015.

& many more...



The Department of Architecture was started in the year 1993-94 from internal resources and was established as a Department in 1998. UGC also adopted the department in 1998 i.e. IX plan (1997-2002). The course is approved by Council of Architecture (COA) & All India Council of Technical Education (AICTE). The department offers Bachelor of Architecture degree having intake of 20.

The thrust areas of study are: Islamic Architecture, Energy Efficiency, Urban Design and Sustainable Architecture & Development. The department aims to develop into a great seat of learning for young Architects with high intellectual qualities. Being a professional course, students have all 3 options of working in private organizations, Govt. /Semi Govt. /PSUs as an employee or establish their own consultancy as an Architect after getting registered with COA or pursue higher studies and research.

Students of the department have found berths in higher educational institutes and various research programs across India and abroad. Educational tours are being organised consistently to help the students to achieve a broader and diversified outlook about architectural practice and new trends in architectural development.

The alumni of this department are working in AECOM, ARCOPI, L&T, DLF, KRC, SBG and many more renowned companies.

Faculty: 3 Associate Professors, 6 Assistant Professors

Lab & Facilities: Computer Aided Design Centre (CAD), Model Making Lab, Construction and Materials Lab, Seminar Library, Consultancy Cell.



The idea of the creation of the Department of Chemical Engineering at Aligarh Muslim University was born with the visit of His Highness Sheikh Zayed Bin Sultan Al-Nahyan of the UAE in 1975. Approval of the UGC was obtained for the creation of the Department in the fifth Five Year Plan and it came into existence in 1978, when the first undergraduate course in Chemical Engineering started with an intake of thirty students. A Masters program was also started in 1999 with specialisation in Process Modelling and Simulation and Computer Aided Design of Process Plant.

Apart from B. Tech. and M. Tech. programmes, the Department also offers program like Ph.D in Chemical Engineering in a wide range of thrust areas: heat transfer, waste management, nanotechnology, mass transfer, enhanced distillation thermodynamics, and modelling & simulation etc.

Some thrust areas include: Thermosiphon Reboiler, Process Modelling and Simulation, CAD of Process Plants, Nucleate Pool Boiling, Energy Integration and Mass Exchange Network, Membrane separation/ Inorganic Membrane Industrial Pollution Control and Waste Minimization, Thermodynamics of Phase Equilibria, Hazardous Waste Management, Cellulose Chemistry and Technology.

Faculty: 2 Professors, 10 Associate Professors and 1 Assistant Professors

Labs and Facilities: Heat and Mass Transfer Operations, Fluid Mechanics, Mechanical Operations, Thermodynamics, Chemical Reaction Engineering, Process Instrumentation and Control, Product Development and Testing, Safety and Environment.



The Department of Civil Engineering was established in 1942. Over the last five decades the department has grown manifold and shared immensely in technology transfer and the propagation of technological advancements to industry in particular and to the masses in general. The department has maintained pace in becoming at par with the latest and most sophisticated R&D, design, testing, instrumentation and computational facilities etc.

Many research projects sponsored by AICTE, UGC, DST, CSIR, DRDO, CST(UP), Ministry of Environment and Forest (MOEF), and Indian Oil Corporation, Govt. of India have been successfully completed. The department has organised international conferences in the area of Environmental Engineering in collaboration with foreign university.

The department has entered into collaborative programs with industry and foreign universities. Collaborative work is in progress with Toledo University USA, Asia Pacific University, Thailand and La Sierra University, USA. The alumni of the department are working in renowned companies like L&T, DMRC, Shapoorji Pallonji International, Delhi Development Authority etc.

Faculty: 28 Professors, 8 Associate Professors, 10 Assistant Professors

Lab and Facilities: Structural Analysis, Structural Dynamics, Building Materials & Concrete Technology, Hydraulic Engineering, Soil Mechanics, Environmental Engineering, Transportation Engineering, Surveying, Engineering Geology, Heavy Structure Lab (for testing full scale models), Computer Aided Design Centre (CAD), R&D Cell



The Department of Computer Engineering was created in the year 1991. The department is currently running an eight Semester B.Tech program and a four semester M.Tech program in Computer Science & Engineering with specialization in Software Engineering. The department also offers Ph.D Program in emerging areas of Computer Engineering.

Faculty members of the department are highly qualified educated from reputed institutes. The faculty is actively involved in R&D Projects. Currently, research is being carried out in the areas of Computer Networks, Artificial Intelligence & Soft Computing, Web Mining & Information Retrieval, Multimedia Technologies, Embedded Systems, Software Engineering and Computer Security etc.

The success of a department is best judged by the performance of its students. B.Tech students achieve almost 100% placement in prestigious organizations. The students have fared commendably in various national as well as international level competitions like GATE, CAT, GRE, SAT etc. Many students of the computer engineering department are working in renowned companies like Accenture, Adobe Systems, Thoughtworks, Paytm, Snapdeal, Amazon, TCS, Microsoft etc.

Faculty: 4 Professors, 5 Associate Professors, 7 Assistant Professors.

Labs and Facilities: Software Laboratory, Advanced Computing Laboratory, Networking Laboratory, Basic Laboratory.



The department of Electrical Engineering was established in 1935 with an intake of 20 students and first graduate program started in 1940. A new phase of major development in the department started during third five-year plan when the intake was raised to 110. A postgraduate course in "Instrumentation and Control", the first postgraduate course in the Faculty of Engineering & Technology was sanctioned and started in 1964.

Since then, it has been availing various National & International scholarships to send the faculty members abroad, boosted by Quality Improvement Program (QIP). The faculty members have till date, published more than 800 research papers. Several short term training courses and the national level seminars/conferences have been organised for young Engineers. The faculty members have doctoral degrees specializing in diverse fields of Electrical Engineering such as Power systems, Electrical Machines, Electrical Drives, High Voltage Engineering, Control systems, Instrumentation, Biomedical Engineering, Microprocessors & Computers and Renewable sources of Energy.

The alumni of the department are working in various renowned MNCs like IFFCO(Dubai), GE INDIA, ALSTOM, SIEMENS, L&T, FORD etc. Students have fared commendably in competitions like GATE, GRE, CAT, IES etc.

Faculty: 12 Professors, 5 Associate Professors, 9 Assistant Professors

Labs & Facilities: Power System Dynamics and Control (including Parallel AC/DC & Simultaneous AC/DC Transmission system), Electrical Machines & Drives, High Voltage Engineering, Control systems, Instrumentation, Biomedical Engineering, Microprocessors & Computers, Center for Renewable Energy, Artificial Intelligence and Soft Computing.



The Department of Electronics Engineering was established in 1988. It has made a significant progress since its inception and attained the status of a pioneering department. The department has credit of being the first department in the faculty of Engineering & Technology to have the Departmental Research Support (DRS) scheme funded by UGC. The department offers an undergraduate (B. Tech) course in Electronics Engineering and two postgraduate (M. Tech) courses in Electronic Circuits & Systems Design and Communication & Information System.

The subjects offered at both, UG & PG levels cover almost all areas of significance viz. Analog & Digital Electronics, Microelectronics, VLSI Design & Technology, Electronics Instrumentation, Control Systems, Analog & Digital Communications, Microwave Engineering, Optical Communication, Satellite Communication, etc. The faculty members are working in collaboration with universities abroad on joint research projects. The Teaching Staff of the Department has supervised a good number of Ph.D thesis and M.Tech dissertations since its inception.

The students have fared commendably in various competitions like GATE, CAT, GRE, IES etc. The alumni of the department are working in renowned MNCs like Intel, Freescale, ST Microelectronics, Adobe, ARM, Texas-Instruments etc.

Faculty: 12 Professors, 3 Associate Professors, 7 Assistant Professors

Labs & Facilities: Electronic Circuits & Systems Lab, Communication Systems & Radar Lab, Communication Systems Simulation Lab, IC Design & Fabrication Lab, Digital Systems Microprocessors Lab, Instrumentation & Control Lab, Optical Communication Lab, Signal Processing Lab, DRS Lab



The Department of Mechanical Engineering was established with the start of the curriculum in 1941 at Aligarh Muslim University. It is renowned for its faculty and alumni all over the globe and is one of the oldest departments of the engineering college. It presently offers programs in Ph.D, M.Tech, B.Tech and B.E. (Evening). The Department conducts M.Tech programs in the three areas, namely - Thermal Engineering, Industrial & Production Engineering, Machine Design.

The department offers about 85 UG (for B.Tech, B.E. programs) and 33 PG (for M.Tech, Ph.D programs) courses in various subjects and disciplines of Mechanical Engineering. The faculty has published over 600 research papers in the International & National Journals of repute. An Instructional & Research Resource Centre (IRRC) has also been established in the department.

The students have fared commendably in various competitions like GATE, GRE, CAT, IES etc. The alumni of the department are working in renowned companies like Volvo, Bluestar, Voltas, Mercedes, JFFCO (Dubai) etc.

Faculty: 16 Professors, 12 Associate Professors, 20 Assistant Professors

Labs & Facilities: Turbine & Pump, Fluid Mechanics, Aerodynamics & Turbo machines, Microprocessor Applications, Heat Power, Computational Fluid Dynamics (CFD), Internal Combustion Engines (IC), Refrigeration & Air Conditioning, Combustion Pollution Control, Heat Transfer, Machinery Dynamics, Stress Analysis & Tribology, Production Engineering, Computers and Robotics, Material Science, Metrology & CNC, CAD & CAM etc.



The Department of Petroleum Studies, Aligarh Muslim University is pioneer in the northern India to offer the courses with focus for the training of the students in the field of Petroleum, Petrochemicals, Polymer and Gas processing in addition to the core courses of Chemical engineering. It houses well equipped laboratories in the areas of petroleum products testing, petroleum processing, process control and instrumentation, polymer identification and testing, reaction engineering etc.

The department with its well qualified teaching staff is actively engaged in teaching and research and also contributes to the residential life of campus. Teachers of the department have published a number of research papers in international and national journals of repute, in the research areas of Petroleum refining, Petrochemicals, Heat Transfer, Polymers, Alternative Fuels, Polymer Surfactants interactions, Fuel Cell Membrane etc. The department has organized many conferences and a refresher courses and workshops. In addition, department organizes special lectures by eminent experts from academia and industry like IOCL, ONGC, IIP, IITs, Exxon, SABIC Petrochemicals etc.

The B.Tech. Program of the Department has been designed to develop trained engineers in the area of Petroleum Refining and Petrochemical Technology. This program has been carefully structured to include education on all the vital issues of energy harnessing, utilization and management with clear emphasis on environmental aspects and pollution control. It is heartening to note that our graduates have placed in many renowned companies and organizations like IOCL, ONGC, IFFCO, SABIC-AXIOM, IFP, Dow Chemicals and many more.

Faculty: 2 Professors, 1 Associate Professors and 6 Assistant Professors.

Lab and Facilities: Petroleum Testing Lab, Process Control Lab, Reaction Engineering Lab, Polymer Lab, Computation Lab and Research Lab.

ADMISSION PROCEDURE

To admit the best of the young minds, Aligarh Muslim University conducts a separate entrance exam for admission to B.Tech/B.Arch programs of Z.H.C.E.T., known as Aligarh Muslim University Engineering Entrance Exam (AMUEEE). It is conducted at 5 centres across the country every year. There is an additional test for B.Arch. aspirants to check their designing skills. The admission to M.Tech. programs is through Graduate Aptitude Test in Engineering (GATE) as well as through a separate entrance exam conducted by Aligarh Muslim University. Admissions under the Foreign Nationals Category and Non-Residing Indians Category are done on the basis of past academic records.

FACILITIES OFFERED**Book Bank:**

In addition to the University Library-Maulana Azad Library, there is an Engineering College Library having more than one Lakh books, journals and periodicals. Book Bank facility is also available to the students for issue of text books on payment of 10% of the cost of the books for the whole year. The library has been equipped with latest Electronic Periodical section. The library is also a member of the INDEST consortium and procuring the following journals through it, namely, IET, ASME, ASCE, ACM Digital Library, Science Direct, Pro Quest and Indian Standards.

MIT Courseware:

MIT OpenCourseWare (OCW) is a web-based publication of virtually all MIT course content. OCW is open and available to the world and is a permanent MIT activity. The program has been realized in partnership with Aligarh University in Aligarh, India. It runs on hard drives that have been generously donated by Maxtor for OCW proliferation. This expansion of access will give talented students a chance to reach their full educational potential.

Training & Placement Office:

The TPO provides job opportunities, arranges Campus Interviews by various Government depts. and Companies of National/International repute. Students take the help of this office for their Training and Employment. It also caters to the need of Instructional and Industrial requirements through state-of-the-art facilities, new technologies and human resources in collaboration with all the departments of studies. The office aims to give its students the grooming that they require not just for facing interviews but also to excel in their corporate careers. It conducts various employment enhancement activities such as:

- Communication skill evaluation sessions
- Mock group discussions and personal interviews
- Workshops in collaboration with recruiting companies to aid students

A large number of companies visit the campus each year and on an average around 80% students get placed out of those who register for Campus Placement.

FACILITIES OFFERED

AMU Guest House:

The varsity is visited by many guests round the year for whose accommodation A.M.U. facilitates three guesthouses. These guesthouses have substantial number of rooms and they provide lodging and meals at very reasonable prices. The rooms are both air-conditioned and non air-conditioned. Luxurious suits are also available. Each room boasts of a cabinet refrigerator, LCD television, table and desk and a dressing area. All the guest houses are located at prime locations in the campus premises.

Wi-Fi Campus:

The campus is provided with round the clock Wi-Fi facility. The download limit for undergraduates is 3GB, for postgraduates is 5GB and unlimited downloading is availed by the research scholars. This is the monthly download monthly available free of cost.

Hostel Facility:

A.M.U. has three hostels for the male engineering students and one for their female counterparts, the hostels charge an annual fee of rupees 18000 which includes meals, lodging and Wi-Fi facility.

Smart Classes:

Some of the classes have been upgraded to smart classes and some others are in the process of becoming one. These classes include projectors, microphone, speakers and smart podiums with interactive pen display. All the seats are fitted with individual power outlets for charging electronic gadgets.

Medical Facilities:

The medical facilities to all students are free of cost. Ambulances are available 24x7 to take the students from their hostels to the university hospital in case of any emergency.

Green Campus:

Green plants cover large stretches of the university area. The university comprises of truly green campus where environmental friendly practices and education combine to promote sustainable development.

Athletics Ground:

Athletics ground is also a part of our university campus. Every year the Annual Sports Meet is organised by the university in which a large number of students participate. Not only they participate in the events but they also form a share of enthusiastic spectators. In the rest of the academic calendar various Inter Hall Tournaments are also being organised. This athletic ground also serves the purpose of a jogging track.

Hockey Turf:

Our university owns a marvelous Hockey turf which has been constructed keeping in mind the international standards of hockey and in every session various national tournaments are being organised here.

DEPARTMENT OF CHEMICAL ENGINEERING

-Project Title: Environmental friendly Management of Hazardous Electroplating Waste: A Zero Discharge Plan.

Funding Agency & Amount: UGC Scheme of Major Research; 12.8 Lakhs

Investigators: Prof. Mohammad Idrees, Dr. Shah Mohammad Shadab, Project Fellow.

-Project Title: Designing of N-heterocyclic carbene based MOFs: Application in gas storage, separation and in catalysis.

Funding Agency & Amount: Young Scientist under SERB (DST); 21 Lakhs

Investigators: Prof. Mohammad Idrees, Dr. Sarvendra Kumar, working as Young Scientist since Oct 2013 but has gone to Japan for the last few months for PDF.

DEPARTMENT OF CIVIL ENGINEERING

Joint:

-Project entitled "Integrated system for sewage treatment : A sustainable approach" (in collaboration with Tohoku University, Japan JICA-JST with a grant of US\$ 2.5 Million (2011-2014) under the Co-Principal Investigator Dr. Nadeem Khalil .

-SWINGS Project entitled "Indo-Euro Research Project on Water Challenge in India (Consortia of 21 Partners from Europe and India, Aligarh Muslim University, Aligarh is the lead Coordinating partner) funding agency European Union Ministry of Science and Technology with a grant of Rs 2.26 Crore for AMU (total grant allocation Rs. 4.62 Crore) under the Principal Investigator Dr. Nadeem Khalil.

Ongoing:

-Project Title: Seismic Assessment and Safety of Masonry Heritage Building

Funding Agency & Amount: UGC; 72 Lakhs

Investigators/Coordinator: Prof. Shakeel Ahmad and Prof. Rehan A. Khan

-Project Title: Integrated Sustainable Power Generation from Enhanced Biomass for Rural and Semi Urban Areas of India

Funding Agency & Amount: MoP,GoI; 163.28 Lakhs

Investigator: Dr. Nadeem Khalil

-Project Title: Determination of wind force on solar photo-voltaic cell

Funding Agency: MNRE, GOI; 35.38 Lakhs

Investigator: Prof. Hassan Irtaza

Three more ongoing projects the department.

DEPARTMENT OF COMPUTER ENGINEERING

-Project Title: Technical education quality improvement program
Funding Agency & Amount: TEQIP-II World Bank; 30.67 Lakhs
Investigator: Department

DEPARTMENT OF ELECTRICAL ENGINEERING

-Project Title: Automatic detection of non convulsive seizures in scalp recorded electroencephalogram
Funding Agency & Amount: DBT; 9.92 Lakhs
Investigators: Prof. Yusufuzzaman Khan

-Project Title: Fund for Infrastructure in Science and Technology (FIST)
Funding Agency & Amount: DST; 98 Lakhs
Investigator: Prof. Badrul Hasan Khan

DEPARTMENT OF ELECTRONICS ENGINEERING

-Project Title: Multimedia Signal Processing system for next generation networks
Funding Agency: UGC (DSA); 165.20 Lakhs
Investigator: Prof. Ekram Khan

DEPARTMENT OF PETROLEUM STUDIES

-Project Title: Petroleum Testing and Processing Laboratory
Funding Agency & Amount: AICTE under MODROB; 13.15 lakhs
Investigator: Prof. Mohammad Kamil

-Project Title: Synthesis and Characterization of Shear Thickening Fluids for Energy Absorbing Devices
Funding Agency & Amount: CSIR, New Delhi; 20.0 Lakhs
Investigator: Prof. Mohammad Kamil & Mr. S. J. A. Rizvi

DEPARTMENT OF APPLIED MATHEMATICS

-Project Title: Study of certain multi-variable q-special
Funding Agency & Amount: UGC; 6 Lakhs
Investigator: Dr. Gazala Yaseen

Vision and Mission

The purpose of its foundation in ZHCET was to encourage college students towards the automobile world and its vast engineering scope. Collegiate Club is a student chapter associated with SAE-INDIA & SAE-International.



SAE-ZHCET

Activities

- The Club has marked its presence in Formula Student (ZHCET FORMULA RACING) ZHCET Formula Racing is a Formula Student team composed of undergraduate engineering students, which focuses on designing and fabricating a formula one type race car to participate in different national and International Formula Student events.
- In 2018, ZHCET Formula Racing took part in Formula Student-UK held at Silverstone race circuit, UK.
- Recently in 2020 the team had cleared technical inspection and completed the Endurance race and were ranked 6th among the team from across the country. Ranked 7th and 6th in 2020 and 2021 respectively in Business plan presentations.



SAE-ZHCET

Efficycle

•Efficycle (Team Green Warriors)
 Team Green Warriors is a team representing ZHCET AMU in the Efficycle event conducted by SAE-NIS. The aim of our team is to design and fabricate a hybrid electric vehicle that is robust, efficient and commercially viable.

•The motto of the team is to promote the concept of E-mobility.
 Introduced a pothole detection system in 2021
 Received the acceleration award, best future technology award, and most appreciated vehicle award in previous editions of the event.

•Latest vehicle Albatross has been crowned as the 6th best hybrid electric vehicle of India.



Baja off-road vehicle

•The BAJA series of SAE is an international event that challenges students to design and fabricate an

•All-terrain vehicle and enables the students from different colleges to visualize the concept of engineering. The BAJA is organized by SAE INDIA every year at INDORE.

•In 2013, team does participated in this type of student design series for the first time which was followed by BAJA'14 and then BAJA'16.



Roboclub

Activities

- Organized FODIGO (O' s LIVE coding contest (2 hour) on Wednesday, 21 October 2020.
- A session on "Building career in Data Science and Analytics" by Mr. Saifur Kazim Haider (Regional Analytics Lead at Uber) on Sunday, 18 October 2020.
- A workshop on "Design and fabricate your own Printed Circuit Board (PCB)" using Eagle software on Wednesday, 19 February 2020.
- A workshop on Web development (Front-End) organised on Wednesday, 13 November 2019. Hands-on Interactive session on Python on Thursday, 24 October 2019.
- A workshop on Computer-Aided Designing software "SOLIDWORKS" on Wednesday, 9 October 2019.
- Organized a "A Talk With Mr.Aamir Qutub" (Award winning CEO and founder of Enterprise Monkey – a multinational digital firm) on Sunday, 4 October 2020.

amuroboclub
BY THE MANAGEMENT OF AMU DELHI

Vision and Mission

AMU Roboclub is a student's body which caters to the needs of electronic enthusiasts and hobbyists in creating an environment which is driven by innovation and implementation.



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Vision and Mission

To satisfy the curiosity of enthusiastic and aspiring young engineers about the unexplored depths of the oceans that cover three-fourth of the earth's surface.



MTS-AUV

Activities

- The Marine Technology society board voted to approve the establishment of the student section at ZHCET on 13th Nov 2020. MTS AUV-ZHCET became the 9th MTS Student Section in India.
- 4th Position at SAUVC 2019
Qualified CDR Rounds in SAUVC 2011, 2012, 2014 and 2017
- First Prize in 2nd USSEEI, 2014 (Concept Design)
People's Choice award for Best AUV in SAUVC 2018
- Top 10 Innovation Club, FINE 2018 (Awarded at RedTropic, Chennai)
- Top 4 in start up idea – AUV Surveillance, Mysore



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IEEE

Activities

- SCMP, Council In Industry mentorship program
- To provide guidance to young and talented (by the leader in industry) to shape their skills that actually make a difference.
- MS Series, IEEE Student Branch, AMU in collaboration with AMU affinity groups here with our exclusive series of workshops, LIVE interaction with leaders from the best universities around the globe in different disciplines like Germany, France, USA, Canada etc.
- On the occasion of International Day for the preservation of the Olden City, IEEE Student Branch, AMU organized Skill Renovation Drive at the Department of Electrical Engineering, Aligarh Muslim University.

IPCON 2023



Vision

IEEE will be essential to the technical community and to technical professionals everywhere, and be universally recognized for the contributions of technology, and of technical professionals.



Mission

IEEE fosters technological innovation and excellence for the benefit of humanity.



UAV



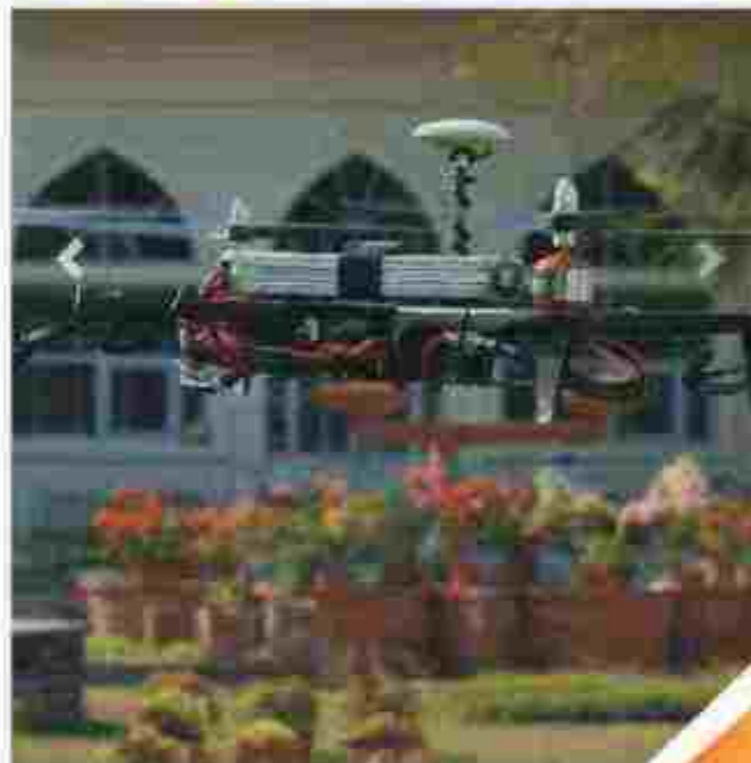
Vision and Mission

Design and construct fully working UAVs of different types and sizes. Equip UAVs with surveillance and live feedback capabilities. Develop UAVs for a variety of applications such as monitoring land and sea borders, medical aids, forest wildfires and unexpected riots or disturbances.



Activities

- Have been successful in making some Copter of different sizes and types. Initially, individual components of the vehicle were designed separately and some were pre-made and the team ordered it online.
- Team members brainstormed and integrated ideas for the air foil design and wing design. Sketches were created and discussions were held regarding the proposed function of the designs and the overall device. Then the team sketched the parts in 3D to observe how the designs would look like in a real life.





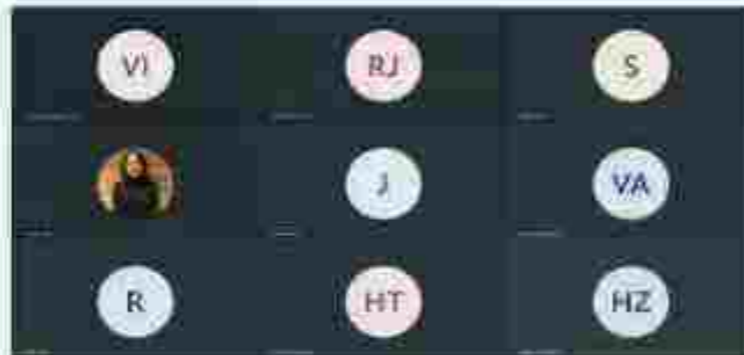
Vision and Mission

A student community dedicated to resolving students' technical concerns. We hold engaging workshops and events to ensure your learning and advancement.



Activities

- Conducted an interactive webinar on "Introduction to Open Source" Further introduced the audience to a variety of Open Source topics like Version Control, Git and Github
- Successfully conducted AMU BattleGrounds: a 46-hour long online hackathon that aimed to solve real-world problems through technology.
- Guided the students of ZHCET on "Hacktober Fest '21" by conducting an online session regarding the prerequisite to participate in the event.



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Activities

•ALUMNET: A one-on-one hands-on interaction with esteemed software development engineers giving a platform to form connections. A safe space to openly share ideas, doubts, and seek advice for your career development.

•CODEHEAT: A monthly coding competition in which you can participate either individually or in a team of up to 3 members, organised for various difficulty levels and therefore they are fun for absolute beginners and a challenge for pros.

•A webinar on Competitive programming insights was organised on 30th January 2020. Mr. Shikhar Garg (Amazon SDE I, Ex-Flipkart, ICPC regionalist) was the speaker.

•"Coding starts with zero" - A webinar by Ms. Anushi Maheshwari (Software engineer, Google) on her coding journey.

•Webinar on "Study Masters Abroad" with Mr. Hasan Kamel (SDE at Google, University of Southern California) as the speaker.



Vision

To build a robust competitive programming culture at ZHCET and help students become better problem solvers, foster a learning environment and focus on the development of all individuals in terms of their technical knowledge.



Mission

Organizing events, meetings and speaker sessions on campus to raise awareness. Hosting various contests and competitions to facilitate learning. Conducting programming workshops and doubt sessions for better learning.



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Vision

Google Developer Student Clubs (GDSC) are community groups for college and university students interested in Google developer technologies.



Mission

Students with an interest in growing as a developer are welcome. Students grow their knowledge in a peer-to-peer learning environment and build solutions for local businesses and their community.



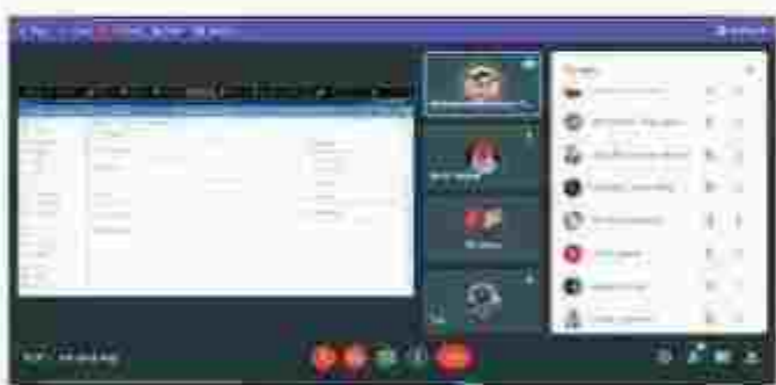
Activities

30 days of Google Cloud

It is a program that provides students an opportunity to kickstart their learning on cloud technology fundamentals by practicing on Google Cloud. Opportunity to take part in a cloud training program at your campus. FREE OF COST. To participate in a community of more than 300 GDSCs from various colleges in India. Assured certificates, badges, and cool goodies by Google Cloud Team on course completion.

Demystifying Cloud with Expert

Vijeta Pali is a GCP Certified and Accredited Technical Evangelist who's recognized as an Expert (GDE) in Google Cloud. She's also the Founder of Cloud Demystified took the session. Topics she covered - Introduction to Google Cloud Platform and a deeper dive into Cloud Services and Cloud Security.



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Vision

creating, fostering and promoting the spirit of entrepreneurship among the students



Mission

regularly organizing lectures, events and workshops to create a platform for students to realize their potential and showcase their bright ideas in front of the public and industry



Activities

• An Entrepreneurship Awareness Lecture Series was organized and coordinated, headed by TEQIP-II, Jindal Industry Institute (JII), Jindal, wherein experts from various areas delivered by people from academia, industry & entrepreneurs.

• TEQIP-II Project, Rakesh Singh (Head Corporate Affairs, CEPTA) was the speaker. Entrepreneurship Development Lecture Series of International, headed by TEQIP-II, was organized from 17-20 September 2018.

• A company was started by Mr. Anandil Kumar, M.Tech from ZHCET in 2018. Engineering & Environmental Solutions Pvt. Ltd is a pioneer in providing breakthrough technological solutions which leads to a greener, the environment & providing a sustainable tomorrow. The company develops smart monitoring instruments using sensor-based technologies for connected devices with an automated approach to collect data & in providing solutions.

• Rajiv Kumar and Arun Sharma, ANCE presented their business plan "Doctor in 20" during IT organized by IIT Kanpur on 3 September 2018 where their business idea got selected in Top 100 ideas across the country. Team 5 Doctor with its first runner up prize in National Level Business Plan Competition & award ceremony organized by Management Development Institute (MDI), Gurgaon.



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Other Clubs

Activities

The American Society of Heating, Refrigerating and Air-Conditioning Engineers is an American professional association with the worldwide heating, ventilation, air conditioning and refrigeration system design and construction. ASHRAE has more than 57,000 members in more than 162 countries worldwide.

• Interactive Instructional Resource and promote interaction, communication, skill enhancement.

• PI CLUB ZH CET is planning an forum on Industry for Industry and Interaction in order to spread awareness and educate students in our college about the industry norms and standards.



Vision

To create a placement-driven learning environment. To familiarise students of ZHCET with industry norms and aspects of the recruitment process, to elevate the placement standards of our college, and to create a better perception of ZHCET as a national and international institute of excellence.



Mission

To promote and foster an industrial and research oriented placement environment. To bridge the communication gap between students and the recruitment process by organising industry-collaborated training projects, workshops and seminars. To promote and foster the spirit of entrepreneurship among the students of the college by coordinating with the Entrepreneurship Development Cell, ZHCET.





Vision

To become an institute of excellence in scientific & technical education and research with standards at par with national and international institutes of repute and to serve as quality human resource provider to the society and industry.



Student Activities & Clubs



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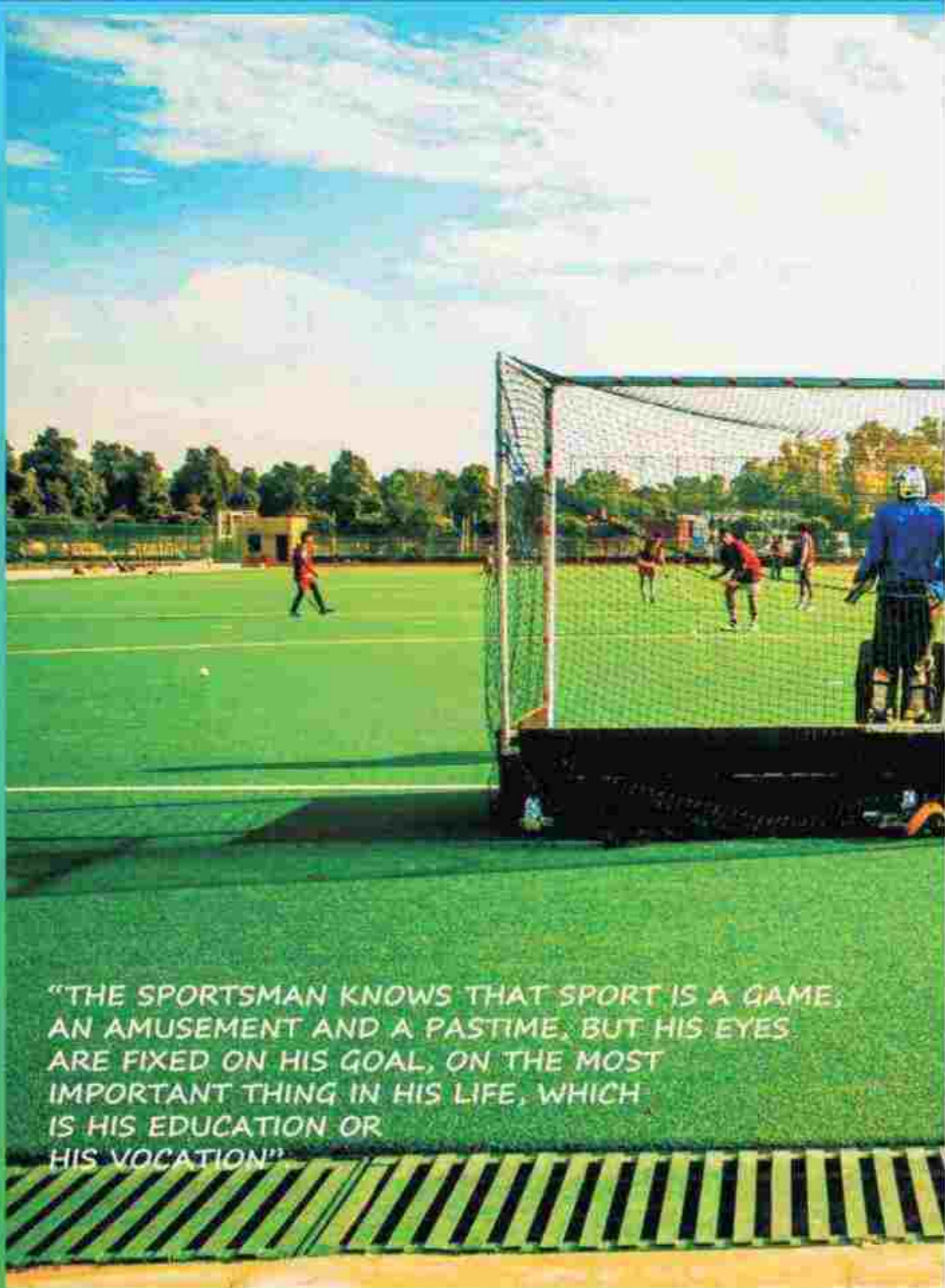
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*photograph of Hockey Ground, AMU
- by Mass Communication Deptt.*



"THE SPORTSMAN KNOWS THAT SPORT IS A GAME,
AN AMUSEMENT AND A PASTIME, BUT HIS EYES
ARE FIXED ON HIS GOAL, ON THE MOST
IMPORTANT THING IN HIS LIFE, WHICH
IS HIS EDUCATION OR
HIS VOCATION"



The annual fest of ZHCET which is christened the name ZARF invites students from all over the university to hone their skills in technical, literary and cultural spheres. It provides a platform to the students to come forward and express their expertise in various fields like aeromodelling, robotics, junkyard wars, etc.

Besides this, various departmental festivals are organized like TAMEER of Civilngg Department and P CARPEDIEM of Mechanical Engg Department. Paradigm was held 30 national events with participation from more than 100 institutions online and of

A kaleidoscope of art and literary festivals are being organized throughout the year, they are being organized under the Center (CEC) which is the prime body responsible for organizing popular are All India Sir Syed Memorial Debate (AISSMD) Foundation Art Festival and many more.

Ingenious solutions

The group was founded by a group of enterprising final year students of 2006 batch. Its mission is to help ZHCETians improve soft skills, provide an impetus to the college placements, make students market ready, facilitate students to overcome the lack of confidence, and gain first hand experience of placement processes.

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PARADIGM/
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BEYOND THE CLASS ROOM



ZHCET does an excellent job of teaching students the value of learning and importantly, helping others out in their quest to learn as well. With no shortage of role models to look up to, be it alumni or the faculty itself, it ensures that the environment is extremely conducive for learning.

-Baqir Ali Alvi (Computer Engineering)

The Colors of Inspiration, Opportunities, Interactions, Exposure, Growth, Freedom, Possibilities were added to the canvas of my life by my Alma Mater. It's one of the finest institutions in almost every possible aspect like quality of education & the academic rigor, faculty, talent-pool of students, research, infrastructure, exposure, extra-curricular activities and what not! The environment brings out the best from students. The amazing campus, a whole new world within the boundaries- which was home for many of us for four wonderful years, years which we will cherish throughout our lives. My Alma Mater will always remain as a "HAPPY PLACE" for life.

(Abridged)

-Shashank Sharma (Chemical Engineering)



"Ye mera chaman, hai mera chaman,
mai apne chaman ka bulbul hu"

I owe so much to my mentors and seniors at Department of Architecture and Planning AMU for their support and encouragement, this campus and environment taught me simplicity. I just want to say this to all of you - Be grounded; Be humble; Be patient; Be committed and determined; and, Be YOURSELF !!

"Do What You Love,
Love what you do"

(Abridged)

-Smriti Saraswat (Department of Architecture)

It feels so good when after four years of your graduation you realize you were once a part of ZHCET. I am certainly grateful to ZHCET for almost everything that I possess today - academics - technical cum management skills, friends, and my career life. Few lessons learnt from those four years for the rest of my life - Be humble. Be disciplined, have a clear goal, never miss out on any opportunities, stay focused. Make a good community, have career ambitions. Be in touch with batch mates, seniors teachers and alumni.

(Abridged)

--Shashank Jain (Computer Engineering)



"Academically distinct and culturally tall, ZHCET-AMU is a renowned institution which enjoys high repute globally. A center of quality learning both in terms of good academics and high life morals, has been producing not just trained engineers, but reinforced individuals, who can withstand extreme circumstances in work and life. Department of Petroleum studies has excelled itself in providing that training and filling those void of engineering skills, which were omnipresent in oil and hydrocarbon industry. Petrochemical Engineers are competent enough to perform jobs ranging from drilling to refining and research to design, covering a broad spectrum of oil business."

(Abridged)

-Saifuddin Ahmed (Petrochemical Engineering)



Today, when I look back at my life, I can say the transition period of my life were the 4 years I spent in ZHCET. I feel very proud that ZHCET/AMU has infrastructure very similar to top technical universities in the world- good libraries, seminars, labs and very qualified and supportive staff. I gained ken about engineering and also received a clearer perspective about other aspects of life. Like success is never final and failure is never fatal. Just keep working hard.

-Mohd Farhan (Civil Engineering)

"I owe my professional accomplishments to the education I received at ZHCET. Without ZHCET's education, I wouldn't be where I currently am in my career. I had a wonderful four years there."

-Arshan Khan, Ph.D. (Electrical Engineering)



ZHCET is an ocean full of pearls..we've alumni spread out in each corner of the world. I hope every ZHCETian makes the college and AMU proud..this is the time which decides the course of your life to a great extent..work hard..identify your goals a little early and toil to achieve those..and yes this is the only time in life you get to enjoy..so enjoy to the fullest, make friends and memories for life.

-Benazeer Khan (Computer Engineering)

FROM THE MINDS OF ALUMNI

Stumbled across my final year engineering project deck very recently. Stupefied. The depth of research in the project left me speechless. In my current position, I worked on a very similar machine learning model for the bank. There was only one difference between the two assignments. The CIO of the bank himself praised the analysis whereas our Prof. had told us that we could do way better. When something like this happens to you, you have to believe that the stress on the quality of education at ZHCET is matchless.

P.S. I have always been one of the lazy students of the class.

-Mohsin (Electronics)



ZHCET = The joy of finding my lifelong friends, endless chitchat during classes, the terror before every viva, the euphoria of acing some very tough subjects (yay!), last minute assignments and lab reports.

This list is by no means exhaustive! Bottomline : 4 years at ZHCET gave me much more than education. A naive kid transformed into a responsible lady.

Although my plan was just to get a degree with flying colours but Almighty blessed me with something bigger - a degree in Wisdom.

(Abridged)

-Romma (Electronics)

Getting admitted into ZHCET was a matter of fate. I was never keen on getting admitted here, and only accepted the admission as it was the sole government college I could get into. To be fair, I still didn't like it in my first semester. I wanted to leave. You see, unlike my parents, I was a big city kid. But gradually, I began to assimilate into this place's culture, and realized that people everywhere are the same. So by the time it was time to leave, I really didn't want to. Looking back, my biggest takeaway from ZHCET/AMU was to be proud and unapologetic about your background, no matter what it is.

-Syed Tabish Zaidi (CIVIL)





It is quite strange how day by day nothing changes, and then after a month or so, the deadlines and submissions knock our door and exactly then, we realize that time just evaporated in the harsh weather of Aligarh. Jokes apart..

I would like my juniors to make sure that they make each day count and when they happen to look back in time, they would have something productive to be proud of.

Challenge yourself to be better than what you are today.

At the university level, you have the opportunity to fly and fall and try the same again everyday...!

(Abridged)

-Arisha Shahid (Architecture)

There is no shortcut to success. Whatever you do at college, try to understand the importance of hard work and discipline early in your life. My most successful colleagues are all hard working people, from whom I constantly learn and get inspired a daily basis.

I wish all my fellow ZHCET'ians a very best of luck in their future endeavors. Enjoy your life and stay in Aligarh; consider yourself fortunate to be a part of this prestigious institution.

-Misam Naqvi (Mechanical)



ZHCET has been my second home where I spent time more than my real home. Here I had always been motivated and guided towards success by honest and ethical means. The college gave me a platform to build myself and groom. Out of the many things, I admired the mentors and particularly my seniors whose efforts led to the polishing of my personality through frequent GDs and Public Speaking Forums. And the immense alumni support so that we could think beyond GATE and other traditional pathways.

-Faraz Ahmad (Electrical)

ZHCET is home to an outstanding faculty, excellent library, world class labs, a very strategically developed course curriculum and offers international placements. What makes our college unique is the exposure its student gets to various academic disciplines of Aligarh Muslim University resulting in overall personality development. The young engineers from the college are not only technically strong but also intellectually polished & possess good communication skills.

Thank you ZHCET & the wonderful teachers for all that you give us along with the prestigious engineering degree!

-Syed Nabil Mehdi (Electrical)

FROM THE MINDS OF ALUMNI



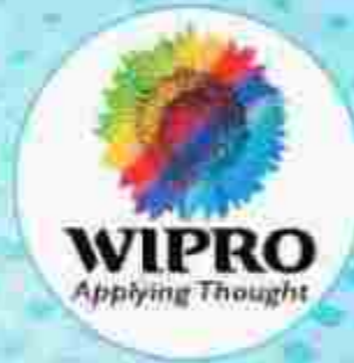
STMicroelectronics



Zia Semiconductor
Complete IP Solutions



CONSULTANCY SERVICES

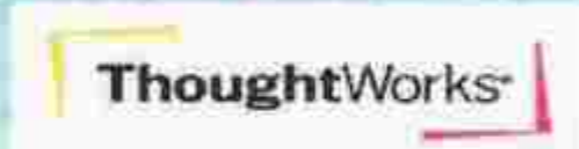


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